# ° PRICELIST
# ° TARIFA

Casals

soul made fans

50 Hz

° 2025

## THE COMPANY | LA EMPRESA

### OUR HISTORY

The history of Casals goes back to the end of the XIX century (1881) when the founder Francesc Casals Fransoy opened a small workshop in the centre of Ripoll (Girona). From the mechanizing of the cast iron pieces and the making of machinery for factories and workshops, this small business developed through the years and became a business dedicated to the manufacturing of spare parts for tools and afterwards to the tooling manufacturing.

In 1924 Casals started manufacturing the first models of industrial fans. At first the series production systems were applied but they developed into the current and modern lines of production. In this way Casals became the leader of the industry.
With time, Talleres Casals diversified the production and nowadays Casals Ventilation, one of its divisions, has its own entity and is independent from the rest. Located in Sant Joan de les Abadesses, in a 12.000m2 factory, it manufactures over 5.000 references of fans, supplying the national and international market. Besides, there is an additional production plant in Ripoll which is specialized in the manufacture of large industrial impellers and casings. In the last few years the evolution has been very satisfactory and nowadays the export percentage exceeds 60% of the benefits.

Currently, as a fan manufacturer of fans with over 125 years of experience, Casals Ventilation has a wide catalogue available in the market of technical ventilation for building constructions and industrial fans. In this catalogue the wide range of certified fans of 400ºC/2h is amongst the most important and noticeable items found. In addition to the professional technical team prepared to resolve the doubts, Casals supplies the most appropriate product to satisfy the needs and projects of our customers.

### NUESTRA HISTORIA

La historia de Casals se remonta a finales del siglo XIX (en 1881) cuando su fundador, Francesc Casals i Fransoy, abre un pequeño taller en el centro de Ripoll (Girona). De la mecanización de piezas de fundición y la construcción de maquinaria para fábricas y talleres, este pequeño negocio pasaría a ser con los años una importante empresa dedicada a la fabricación de componentes de herramientas y luego, de herramientas propiamente. Aquí nace Talleres Casals, situada ya en un nuevo complejo, también en Ripoll.

Es en 1924 cuando Casals empieza a fabricar sus primeros modelos de ventiladores industriales. Comenzó a utilizar unos sistemas de fabricación en serie que posteriormente darían lugar a las actuales y modernas líneas de producción. Fue así como Casals se convirtió en una empresa pionera en el sector.

Con el tiempo, Talleres Casals diversificó su producción hasta el punto que hoy en día, lo que fue una división dedicada a la ventilación, tiene entidad propia y es independiente del resto: Casals Ventilación. Localizada en Sant Joan de les Abadesses, en una planta de 12.000 m2 fabrica más de 5.000 referencias de ventiladores, llegando al mercado tanto nacional como internacional. Cuenta también con una planta en Ripoll especializada en la fabricación de turbinas y envolventes para industrial de grandes dimensiones. En los últimos años su evolución ha sido muy satisfactoria y hoy sitúa su nivel de exportación sobre el 60%.

Actualmente, como fabricante de ventiladores con más de 125 años de historia, Casals Ventilación tiene a disposición del mercado un amplio catálogo de ventilación técnica para la edificación y de ventilación industrial. En él destaca una extensa gama de ventiladores certificados 400ºC/2h. Todo ello, acompañado de un gran equipo de técnicos preparados para resolver las dudas de los clientes y servir el producto más adecuado a sus necesidades y proyectos.









### OUR REASON FOR BEING

Since the birth of Casals, our reason for being has been the development of our team that works towards the achievement of a common goal: continuous improvement and international growth. In this respect, the training of workers is essential to achieve internal promotion and maintain the illusion of personal growth.

Casals, as the cradle of ventilation in Spain, has always been characterized by the maintenance of quality that endow our products with robustness and durability, as well as respect for the regulations of each country, either at the level of efficiency or specific needs of their legislation. For this reason, the investment dedicated to the R + D + I department, whose team of engineers works for the production of efficient and environmentally friendly products, is indisputable.

All our products are meticulously tested to meet a level of self-demand that aims for excellence.

With its own laboratory that includes test benches and wind tunnel, Casals Ventilación has all the necessary tools to carry out the tests that require the most demanding certifications of the market. The flow tests are carried out in our laboratory according to the ISO 5801:2017.
Our organization operates under the quality management system according to ISO 9001. For this reason, Casals philosophy is based on the absolute conviction that the quality required by our products will only be achieved with the total dedication and involvement of the personnel, as well as compliance with established processes.

### NUESTRA RAZÓN DE SER

Desde el nacimiento de Casals, nuestra razón de ser ha sido el desarrollo de nuestro equipo que trabaja para la consecución de un objetivo común: la mejora continua y el crecimiento internacional. En este sentido la formación de los trabajadores y trabajadoras es fundamental para lograr la promoción interna y mantener la ilusión en el crecimiento personal.

Casals, como cuna de la ventilación en España, siempre se ha caracterizado por el mantenimiento de la calidad que dotan de robustez y durabilidad a nuestros productos, así como el respeto a las normativas de cada país ya sea a nivel de eficiencia como necesidades específicas de su legislación. Por ello, es indiscutible la inversión dedicada al departamento de I+D+I, cuyo equipo de ingenieros trabaja para la obtención de productos eficientes y respetuosos con el medio ambiente.

Todos nuestros productos son testados minuciosamente para cumplir con un nivel de autoexigencia que busca la siempre excelencia.

Con laboratorio propio que incluye bancos de pruebas y túnel de viento, Casals Ventilación dispone de todas las herramientas necesarias para llevar a cabo los ensayos que requieren las certificaciones más exigentes del mercado. Los test de caudal se realizan en nuestro laboratorio siguiendo los estándares ISO 5801:2017.
Nuestra organización funciona bajo el sistema de gestión de calidad acorde a la norma ISO 9001. Por este motivo, la filosofía de Casals se basa en la absoluta convicción de que la calidad requerida por nuestros productos únicamente se logrará con la total dedicación e implicación del personal, así como el cumplimiento de los procesos establecidos.



## CASALS WEBSITE | WEB CASALS

### casals.com

On Casals website you will find many content designed to meet the information needs of our customers, engineers and collaborators.

A modern, interactive website that provides a complete information of the entire catalogue of products Casals and brochures, technical documents, certificates, pictures, videos, access to technical consultation and reserved area for registered users that will allow them to use the product selection software developed by Casals: Fanware.

### casals.com

En la web de Casals encontrará multitud de contenidos pensados para satisfacer las necesidades informativas de sus clientes, ingenierías y colaboradores.

Una web moderna e interactiva que ofrece una información muy completa de todo el catálogo de productos Casals, así como folletos, documentos técnicos, certificados, imágenes, vídeos, accesos a consultas técnicas y una zona reservada para usuarios registrados que les permitirá utilizar el nuevo programa de selección de producto Casals: el Fanware.



**casals.com**



## ONLINE PRODUCT SELECTION SOFTWARE | PROGRAMA DE SELECCIÓN DE PRODUCTO ONLINE

### Fanware

Fanware is the product selection software of Casals where you can freely access directly or through our website:

**casals.com/fanware**

This free application developed by Casals is available from any device (pc, mobile and tablet) with internet, and any operating system. It is available in many languages, it allows searching a product according to a specific flow and pressure, by serie, by type of fan, etc. It is possible making comparatives between different models of fans, download certificates, user manuals and personalized technical reports according to the user settings.

With just one click you can see all technical data of any product of Casals: descriptions, pictures, dimensions diagrams, wiring diagrams, characteristic curves, sound spectrum, accessories and spare parts.

Go to casals.com/fanware to discover all that this software has to offer.

### Fanware

Fanware, así se llama el programa de selección de producto de Casals al que puede acceder gratuitamente de forma directa o a través de nuestro sitio web:

fanware PROFESSIONAL powered by Casals

Esta aplicación gratuita desarrollada por Casals se puede usar en cualquier dispositivo móvil (ordenador, móvil o tablet) que disponga de conexión a internet y sea cual sea su sistema operativo. Disponible en múltiples idiomas, permite hacer una búsqueda de producto a partir de un punto de trabajo (caudal-presión), por serie, por tipo de ventilador, etc. Es posible hacer comparativas entre varios modelos de ventilador, extraer certificados, manuales y fichas técnicas personalizadas según las preferencias del usuario.

En un solo clic podrá ver todos los datos técnicos de los productos Casals: descripciones, fotografías, esquemas de dimensiones, esquemas de conexiones, curvas características, espectro sonoro, accesorios y recambios.

Acceda a casals.com/fanware para descubrir todo lo que ofrece este programa.



50 Hz 60 Hz

## º ERP REGULATIONS FOR NON-RESIDENTIAL AND RESIDENTIAL VENTILATION | DIRECTIVA ERP PARA VENTILACIÓN RESIDENCIAL/NO RESIDENCIAL

### º ECODESIGN DIRECTIVE ERP 2012/27/EU

With the adoption of the Kyoto protocol, the European Union committed to a reduce at least 20% of $CO_2$ emissions by 2020 and increase the use of renewable energies by 20%. The European Union adopted in 2005 the EuP directive (Directive of Products that Use Energy). In 2009 this directive was renamed to ErP (Directive of Energy-Related Products) currently still in force.

In 2012, the 2012/27/EU regulation was published, which modifies the previous ErP regulations. The directive Ecodesing ErP 2012/27/EU and its regulations aim to achieve the objectives set in the Kyoto Protocol.

See the types of products subject to ErP regulations in the following list:

- 327/2011 (EU) g For fans composed of a inlet, impeller, motor and any type of electrical control of the ventilation or fan unit.
- 640/2009 (EU) g IEC Motor regulation.
- 1253/2014 (EU) g Regulation for the residential and non-residential ventilation units.
- 1254/2014 (EU) g B2C energy labeling of residential ventilation units.
- 206/2012 (EU) g For confort fans.

### º DIRECTIVA ECODESIGN ERP 2012/27/EU

Con la adopción del protocolo de Kioto, la unión europea se comprometió a una reducción de al menos el 20% de las emisiones de $CO_2$ para 2020 e incrementar el uso de las energías renovables en un 20%. La Unión Europea adoptó en 2005 la directiva EuP (Directiva de Productos que Utilizan Energía). En 2009 esta norma pasaría a llamarse ErP (Directiva de Productos Relacionados con la Energía) vigente actualmente.

En 2012 se publicó la normativa 2012/27/EU la cual modifica la normativa anterior del ErP. La directiva Ecodesing ErP 2012/27/EU y sus reglamentaciones pretenden conseguir los objetivos marcados en el protocolo de Kioto.

A continuación exponemos los tipos de productos sujetos a la normativa ErP:

- 327/2011 (EU) g Para ventiladores compuestos de una boca de aspiración, turbina, motor y cualquier tipo de control eléctrico de la unidad de ventilación o ventilador.
- 640/2009 (EU) g Regulación del IEC motor.
- 1253/2014 (EU) g Regulación de las unidades de ventilación no residencial y residencial.
- 1254/2014 (EU) g Etiquetado energético B2C de las unidades de ventilación residencial.
- 206/2012 (EU) g Para ventiladores de confort.

| YEAR | FANS<br>Regulation 327/2011 | Different requirements from regulations based on ErP Directive | |
|---|---|---|---|
| | | VENTILATION UNITS<br>Regulation 1253/2014 | MOTORS<br>Regulation 640/2009 |
| AÑO | VENTILADORES<br>Reglamentación 327/2011 | Diversos requisitos basados en la Directiva ErP | |
| | | UNIDADES DE VENTILACIÓN<br>Reglamentación 1253/2014 | MOTORES<br>Reglamentación 640/2009 |
| 2011 | | | >0,75kW efficiency class IE2<br>>0,75kW clase de eficiencia IE2 |
| 2013 | >125 W Minimum efficiency according to Tier 1<br>>125 W Eficiencia mínima acorde a Nivel 1 | Motorised impellers inside the UVU according to fan regulation<br>Turbinas motorizadas dentro de una UVU* acorde a la reglamentación del ventilador | |
| 2015 | >125 W Minimum efficiency according to Tier 2<br>>125 W Eficiencia mínima acorde a Nivel 2 | Motorised impellers inside the UVU according to fan regulation<br>Turbinas motorizadas dentro de una UVU* acorde a la reglamentación del ventilador | 7,5-375kW IE3 or IE2 + VSD<br>7,5-375kW IE3 o IE2 + Variador |
| 2016 | | Minimum efficiency requirements for UVU'S*<br>Requisitos mínimos de eficiencia para UVU'S* | |
| 2017 | | | 0,75-375kW IE3** or IE2 + VSD<br>0,75-375kW IE3** o IE2 + Variador |
| 2018 | | Increased minimum efficiency requirements for UVU'S*<br>Requisitos mínimos de eficiencia para UVU'S* | |
| 2021 | | | 0,12-0,55kW IE2<br>0,75-1000kW IE3 |

* Needs to be used with VS0 (Variable Speed Drive).
* UVU: Siglas de "unidad de ventilación unidireccional"

** Casals selection option.
** Opción escogida por Casals.

### DIRECTIVA ERP- BOX RL PLUS EEC 2012/27/EU



1253/2014



327/2011



640/2009



The Ecodesign directive 2012/27/EU doesn't establish mandatory requirements for the products themselves, but rather through the implementation of the regulations adopted for each group (Lot) of products that it contemplates. Of the 27 lots in which the ErP divides the different families of products directly related to the fans are three:

**LOT 10**
Air conditioners and fans for residential - Regulation of application (EU) 206/2012.
Domestic air conditioning devices formed by air conditioning equipment, local climate control and comfort fans.

**LOT 11**
For Electric motors - Regulation (EU) 640/2009.
3rd Phase January 1, 2017 g IE3 or IE2 + Var SFC by Casals (0.75 - 375kW).

**LOT 11**
Ventilators for non-residential use ventilation - Application Regulation (EU) 327/2011.
All fans, with electrical power absorbed between 125 W and 500 kW, marketed and put into service, are subject to the minimum energy efficiency requirements regulated by the European Regulation 327/2011, whether they are axial, centrifugal, tangential or mixed fans.
These minimum energy efficiency requirements are required both for individual fans and those that are integrated or incorporated in any other equipment or installation.

**LOT 6**
- Lot 6 ventilation units. - Application Regulation (EU) 1253/2014 for fans residential and for non-residential use and Regulation (UE) 1254/2014 energy labeling for fans residential use.

January 1, 2018 according to EU 1253/2014:
The minimum thermal efficiency must be 73%. The minimum ventilation efficiency of unidirectional ventilation units (-residential ventilation units) is:
6.2% x ln (P) + 42.0% if P ≤ 30 kW and 63.1% if P> 30 kW.

January 1, 2018 according to EU 1254/2014:
The specific energy consumption, calculated with respect to a temperate climate, should not exceed -20 kWh / (m2.a).
Maximum LWA of 40 dB.
Filter ventilation units must have a visual warning signal to change the filter.
Mandatory energy labeling.

The Ecodesign Directive 2012/27/EU for ventilation units doesn't cover the following types of fans subject to other regulations and legislations:

**1.** Ventilators or ventilation units that operate in potentially explosive atmospheres regulated by the ATEX 2014/34/UE directive.
**2.** Ventilators or ventilation units that only work in case of emergency, for short-term operation, considering the fire protection requirements established in Directive 89/106/EU.
**3.** Smoke and heat control systems subjected to UNE-EN 12101-3: 2016.
**4.** Ventilators or ventilation units that operate when the temperature of the displaced gas exceeds 100ºC or the operating ambient temperature of the motor that drives the ventilator, if it is located outside the gas flow, exceeds 65ºC.
**5.** Ventilators or ventilation units that operate when the average annual temperature of the displaced gas or the ambient operating temperature of the motor, if it is located outside the gas flow, is lower than -40ºC.
**6.** Fans that operate with a supply voltage > 1000VAC or > 1500VDC.
**7.** Fans operate in toxic, highly corrosive or flammable environments or in environments with abrasive substances.
**8.** Ventilators classified as hoods that are subject to Regulation (EU) 66/20. Cooker hoods with a maximum total electrical input power attributable to the fan or fans lower than 280 W.
**9.** Units that include a heat exchanger or heat pump for energy recovery, or that allow to transfer or extract additional air to the recovery system except the heat transferred with the antifrost.
**10.** Fans within products equipped with a single electric motor of a power less than or equal to 3kW where the fan is fixed to the same shaft used to drive the main function.
**11.** Fans in washing machines and washer-dryers with a maximum electrical input power equal to or less than 3kW.
**12.** For comfort fans, the ERP directive will not be applicable for fans that use non-electric power and air conditioners where the condenser or evaporator side, or both, does not use air to transfer heat.

The Ecodesign Directive 2012/27/UE for fan-mounted motors exempts the following types of ERP motors subject to other regulations and legislations:

En este sentido la directiva Ecodesign 2012/27/EU no establece requerimientos obligatorios de los productos por sí mismos, sino a través de la implementación de los reglamentos adoptados de forma particular para cada grupo (Lot) de productos que contempla. De los 27 lotes en los que la ErP divide las distintas familias de productos los directamente relacionados con los ventiladores son tres:

**LOT 10**
Aire acondicionados y ventiladores para residencial - Reglamento de aplicación (UE) 206/2012.
Dispositivos domésticos de climatización formada por los equipos de aire acondicionado, climatización local y ventiladores de confort.

**LOT 11**
Motores eléctricos - Reglamento de aplicación (UE) 640/2009.
3ª Fase 1 de enero de 2017 g rendimiento IE3 o IE2+Var (0,75 – 375kW).

**LOT 11**
Ventiladores para ventilación uso no residencial - Reglamento de aplicación (UE) 327/2011.
Todos los ventiladores, con potencia eléctrica absorbida comprendida entre 125 W y 500 kW, comercializados y puestos en servicio, están sujetos a los requisitos mínimos de eficiencia energética regulados por el Reglamento Europeo 327/2011 ya Sean ventiladores axiales, centrífugos, tangenciales, mixtos.
Estos requisitos mínimos de eficiencia energética son exigibles tanto a los ventiladores individuales como a aquellos que se integren o incorporen en cualquier otro equipo o instalación.

**LOT 6**
Unidades de ventilación. - Reglamento de aplicación (UE) 1253/2014 para ventiladores de uso residencial y no residencial.Reglamento (UE) 1254/2014 para etiquetado energético en ventiladores de uso residencial.

A partir del 1 de enero de 2018 según UE 1253/2014:
La eficiencia térmica mínima será del 73 %.
La eficiencia mínima de ventilación de las unidades de ventilación unidireccionales (-unidades de ventilación residencial) es:
6,2 % x ln(P) + 42,0 % si P ≤ 30 kW y 63,1 % si P > 30 kW.

A partir del 1 de enero de 2018 según UE 1254/2014:
El consumo de energía específico, calculado con respecto a un clima templado, no deberá exceder de -20 kWh/(m2.a).
LWA máximo de 40 dB.
Las unidades de ventilación con filtro deberán disponer de una señal visual de aviso de cambio del filtro.
Etiquetado energético obligatorio.

La Directiva Ecodesign 2012/27/EU para las unidades de ventilación no contempla los siguientes tipos de ventiladores sujetos a otras regulaciones y legislaciones:

**1.** Ventiladores o unidades de ventilación que funcionen en atmósferas potencialmente explosivas reguladas por la directiva ATEX 2014/34/UE.
**2.** Ventiladores o unidades de ventilación que únicamente funcionen en caso de emergencia, para funcionamiento de corta duración, teniendo en cuenta los requisitos de protección contra incendios establecidos en la Directiva 89/106/UE.
**3.** Sistemas de control de humos y calor sujetos a la UNE-EN 12101-3:2016.
**4.** Ventiladores o unidades de ventilación que funcionen cuando la temperatura del gas desplazado exceda de 100ºC o la temperatura ambiente de funcionamiento del motor que acciona el ventilador, si está situado fuera del flujo de gas, exceda de 65ºC.
**5.** Ventiladores o unidades de ventilación que operen cuando la temperatura media anual del gas desplazado o la temperatura ambiente de funcionamiento del motor, si está situado fuera del flujo del gas, sea inferior a –40ºC.
**6.** Los ventiladores que funcionen con una tensión de alimentación>1000VCA o >1500VCC.
**7.** Los ventiladores operen en ambientes tóxicos, altamente corrosivos o inflamables o en ambientes con sustancias abrasivas.
**8.** Ventiladores clasificados campanas extractoras que están sujetos al Reglamento (UE) 66/20. Las campanas extractoras de cocina con una potencia eléctrica máxima total de entrada atribuible al ventilador o ventiladores inferior a 280 W.
**9.** Las unidades que incluyan un intercambiador de calor o bomba de calor para la recuperación de energía, o que permitan transferir o extraer aire adicional al del sistema de recuperación excepto el calor transferido con el antifrost.
**10.** Ventiladores dentro de productos equipados con un único motor eléctrico de una potencia inferior o igual a 3kW en donde el ventilador está fijado al mismo árbol utilizado para accionar la función principal.
**11.** Ventiladores en lavadoras y lavadoras-secadoras con una potencia eléctrica máxima de entrada igual o inferior a 3kW.

**1.** Motors designed to work totally submerged in a liquid.
**2.** Motors fully integrated in a product (for example, transmission mechanisms, pumps, fans or compressors) whose energy behavior cannot be tested independently of the product.
3. Motors specifically designed to operate: at altitudes above 1000 meters above the sea level, in places where the ambient air temperature exceeds 40°C, at an operating temperature above 400°C, in places where ambient air temperature is below -15°C for any motor or below 0°C for an motor with an air cooling system, in conditions where the temperature of the coolant water at the inlet of a product is lower than 5°C or higher than 25°C, in potentially explosive atmospheres, as defined in Directive 2014/34/EU.

This increase in efficiency will result in a significant decrease in the cost of energy associated with its use, which will more than compensate, throughout its useful life, the possible initial increase in the purchase cost of the fan.

Directive 2012/27/UE (ErP) developed by the various Regulations (EU) published is mandatory in the 28 countries of the European Union and affects both products that are sold or imported into Europe, or that are integrated in other equipment also exported or imported.

**12.** Para ventiladores de uso confort la directiva ERP no será aplicable en los ventiladores que usen energía no eléctrica y aires acondicionados donde el lado del condensador o evaporador, o ambos, no use aire para transferir calor.

La Directiva Ecodesign 2012/27/EU para los motores montados en ventiladores exime a los siguientes tipos de motores del ERP sujetos a otras regulaciones y legislaciones:

**1.** Motores diseñados para funcionar totalmente sumergidos en un líquido.
**2.** Motores totalmente integrados en un producto (por ejemplo, mecanismos de transmisión, bombas, ventiladores o compresores) cuyo comportamiento energético no pueda someterse a ensayo independientemente del producto.
**3.** Motores diseñados específicamente para funcionar: en altitudes superiores a los 1000 metros por encima del nivel del mar, en lugares donde la temperatura del aire ambiente supere los 40°C, a una temperatura de funcionamiento superior a 400°C, en lugares donde la temperatura del aire ambiente sea inferior a – 15°C para cualquier motor o inferior a 0°C para un motor con un sistema de refrigeración por aire, en condiciones en las que la temperatura del agua del refrigerante en la entrada de un producto sea inferior a 5 °C o superior a 25°C, en atmósferas potencialmente explosivas, tal como se definen en la Directiva 2014/34/UE.

Este incremento de eficiencia tendrá como consecuencia una notable disminución del coste de la energía asociada a su uso, lo que compensará sobradamente, a lo largo de su vida útil, el posible incremento inicial del coste de compra del ventilador.

La Directiva 2012/27/EU (ErP) desarrollada por los distintos Reglamentos (UE) publicados es de obligado cumplimiento en los 28 países de la Unión Europea y afecta tanto a los productos que se vendan o sean importados en Europa, o que estén integrados en otros equipos también exportados o importados.

BEFORE BUYING A FAN BE SURE THAT YOUR MANUFACTURER MEETS ERP DIRECTIVE. Note that if your supplier does not comply, your product can not be sold in the EU and can not be stamped or marked CE. Insist your supplier to br legal.

Our R&D department has invested many efforts so that we guarantee that we meet ErP Directive. You can see more information on our free selection software, Fanware, and download the energy efficiency curves of our products.

ANTES DE COMPRAR UN VENTILADOR ASEGÚRESE QUE SU FABRICANTE CUMPLE CON LA DIRECTIVA ERP. Tenga en cuenta que si su proveedor no cumple, su producto no podrá venderse en la Unión Europea ya que no podrá llevar el sello ni marcado CE. Exija a su proveedor que sea legal.

Nuestro departamento de I+D+I ha invertido muchos esfuerzos para garantizar el cumplimiento de la Directiva ErP. Puede ver más información al respecto en nuestro programa de selección Fanware y descargarse las curvas de eficiencia energética de nuestros productos.

KNOWLEDGE
FOR EFFICIENCY

# High efficiency fans

All our products exceed the requirements of the directive Ecodesing ErP 2012/27/UE and its regulation (EU) 327/2011 for fans, 1253/2014 for residential and non residential ventilation units, 1254/2014 for energy labeling residential ventilation units and 640/2009 for motors.
206/2012 for comfort fans.



Todos nuestros productos superan los requisitos de la directiva Ecodesing ErP 2012/27/EU y su reglamentación (EU) 327/2011 para ventiladores, 1253/2014 para unidades de ventilación residencial y no residencial, 1254/2014 para el etiquetado energético en unidades de ventilación residencial y 640/2009 para motores.
206/2012 para ventiladores de confort.

## STANDARDS MANUFACTURING

All Casals products have been studied and manufactured according to the most demanding international standards and using modern systems of design, management and production that allow to obtain reliable equipment in all the circumstances and with an optimal behavior in limit situations because we apply the strictest quality control standards guaranteed by our ISO 9001: 2015 certification "Quality management systems - Requirements. Quality Management Systems - Requirements" (266234-2018-AQ-IBE-ENAC by DNV Business Assurance), and always with the utmost concern for the environment and energy saving.

Within this Quality and Service Policy, the company is committed to complying with and enforcing all its personnel and collaborators these values of professionalism and dedication to satisfy the needs of all customers and their facilities within the framework and compliance with the norms and current regulations to be able to have the obligatory and prescriptive CE marking in all its products in European and related markets, with an active attitude of being present as a reference company in other markets satisfying their particular requirements with the achievement of certifications such as GOST (Gosudarstvenny Standard) for the Commonwealth of Independent States of Russia.

## ESTÁNDARES DE FABRICACIÓN

Todos los productos Casals han sido estudiados y fabricados siguiendo las normas internacionales más exigentes y mediante el uso de modernos sistemas de diseño, gestión y producción que permiten obtener equipos fiables en todas las circunstancias y con un óptimo comportamiento en situaciones límite al ser elaborados dentro de estrictos controles de calidad avalados por nuestra certificación ISO 9001: 2015 "Sistemas de gestión de la calidad - Requisitos. Quality management systems –Requirements" (266234-2018-AQ-IBE-ENAC realizada por DNV Business Assurance), y siempre con la máxima preocupación por el medioambiente y el ahorro energético.

Dentro de esta Política de Calidad y Servicio la empresa se compromete a cumplir y hacer cumplir a todo su personal y colaboradores estos valores de profesionalidad y de dedicación para satisfacer las necesidades de todos los clientes y de sus instalaciones dentro del marco y cumplimiento de las normas y reglamentaciones actuales para poder disponer del obligado y prescriptivo marcado CE en todos sus productos en mercados europeos y afines, con una activa actitud de buscar estar presente como empresa referente en otros mercados satisfaciendo sus requisitos particulares con la consecución de certificaciones como GOST (Gosudarstvenny Standard) para la Comunidad de Estados Independientes Rusos.

## TESTING FANS | ENSAYOS DE VENTILADORES

- **ISO 5801** Industrial fans - Performance testing using standardized airways AMCA 211-13 normative reference. (Rating Method used A).
- **AMCA 210-99/ ASHRAE 51** Industrial fans. Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating. AMCA 211-13 normative reference.
- **ISO 13350** Industrial fans - Performance testing of jet fans. AMCA 211-13 Normative Reference.
- **UNE 100212:1990** Fans. Devices and installations for fans testing.
- **ISO 13348** Industrial fans. Tolerances, methods of conversion and technical data presentation.
- **EN 12101-3:2015** Smoke and heat control systems - Part 3: Specification for powered smoke and heat exhaust ventilators.

- **ISO 5801** Ventiladores industriales. Ensayos de comportamiento en circuitos normalizados, referencia normativa AMCA 211-13 (Clasificación Método utilizado A).
- **AMCA 210-99/ ASHRAE 51** Ventiladores industriales. Métodos de ensayos de ventiladores y su certificación de ensayos aerodinámicos, referencia normativa AMCA 211-13.
- **ISO 13350** Ventiladores industriales. Ensayos de comportamiento de ventiladores de chorro, referencia normativa AMCA 211-13.
- **UNE 100212:1990** Ventiladores. Dispositivos e instalaciones para el ensayo de ventiladores.
- **ISO 13348** Ventiladores industrials. Tolerancias, métodos de conversion y presentación de datos técnicos.
- **EN 12101-3:2015** Sistemas de control de humos y calor. Parte 3: Especificaciones para aireadores extractores de humos y calor mecánicos.

## BALANCE AND VIBRATION | EQUILIBRADO Y VIBRACIONES

- ISO 1940-1 Balance quality requirements for rotors in a constant (rigid) state - Part 1: Specification and verification of balance tolerances.
- ISO 10816-1 Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 1: General guidelines.
- ISO 14694 Industrial fans - Specifications for balance quality and vibration levels.

- ISO 1940-1 Vibraciones mecánicas. Calidad de equilibrado.
- ISO 10816-1 Vibraciones mecánicas. Evaluación de las vibraciones de máquinas.
- ISO 14694 Ventiladores industriales. Especificaciones para equilibrado y niveles de vibración.

## ° SAFETY | SEGURIDAD

° **EN ISO 12100-1** Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology.

° **EN ISO 12100-2** Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles.

° **EN 60204-1** Electrical equipment of machines - Part 1: General requirements.

° **EN 294** Safety of machinery; safety distances to prevent danger zones from being reached by the upper limbs.

° **ISO 13857** Safety of machinery - Safety distances to prevent danger zones being reached by upper and lower limbs.

° **UNE 100250** Industrial fans. Mechanical safety of fans (ISO 12499 equivalent).

° **ISO 12499** Industrial fans - Mechanical safety of fans.

° **EN ISO 12100-1** Seguridad de las máquinas. Conceptos básicos, principios generales para el diseño.
- Parte 1: Terminología básica, metodología.

° **EN ISO 12100-2** Seguridad de las máquinas. Conceptos básicos, principios generales para el diseño.
- Parte 2: Principios técnicos.

° **EN 60204-1** Seguridad de las máquinas. Equipo eléctrico de las máquinas. Parte 1: Requisitos generales.

° **EN 294** Seguridad de máquinas. Distancias de seguridad para impedir que se alcancen zonas peligrosas con los miembros superiores.

° **ISO 13857** Seguridad de máquinas. Distancias de seguridad para impedir que se alcancen zonas peligrosas con los miembros superiores e inferiores.

° **UNE 100250** Ventiladores industriales. Seguridad mecánica de los ventiladores (equivalente ISO 12499).

° **ISO 12499** Ventiladores industriales. Seguridad mecánica en los ventiladores.

## ° ACOUSTIC | ACÚSTICA

° **ISO 3744** Acoustics: Determination of sound power levels of noise sources using sound pressure. Engineering method in an essentially free field over a reflecting plane.

The acoustic values indicated in the data table of each fan correspond to:

Average sound pressure level (SPL) in dB(A), outlet side, measured on a horizontal plane from 6m.e

° **ISO 3744** Acústica: Determinación de los niveles de potencia acústica de fuentes de ruido a partir de la presión acústica. Método de ingeniería para condiciones de campo libre sobre un plano reflectante.

Los valores de acústica indicados en la tabla de datos de cada ventilador corresponden a:

Nivel de presión sonora (SPL) media en dB(A) en la impulsión, medida sobre plano horizontal a una distancia de 6m.

## ° MATERIALS | MATERIALES

° **UNE-EN 10142:2001** Continuously hot-dip zinc coated low carbon steel strip and sheet for cold forming. Technical delivery conditions.

° **UNE-EN 10147:2001** Continuously hot-dip zinc coated structural steel strip and sheet technical delivery conditions.

° **UNE-EN 10142:2001** Bandas (chapas y bobinas) de acero bajo en carbono, galvanizadas en continuo por inmersión en caliente para conformación en frío. Condiciones técnicas de suministro.

° **UNE-EN 10147:2001** Bandas (chapas y bobinas) de acero de construcción galvanizadas en continuo por inmersión en caliente. Condiciones técnicas de suministro.

## ° DIRECTIVES | DIRECTIVAS

° **2006/42/CE** Machinery Directive.

° **2014/35/UE** Low voltage Directive.

° **2014/30/UE** EMC (electromagnetic compatibility) Directive.

° **2009/125/CE** Ecodesign Requirements for Energy-related Products Directive.

° **2011/65/UE** RoHs Directive for restriction of hazardous substances in electrical and electronic equipment.

° **2012/19/UE** Waste Electrical and Electronic Equipment, WEEE.

° **2006/42/CE** Directiva de máquinas.

° **2014/35/UE** Directiva de baja tensión.

° **2014/30/UE** Directiva compatibilidad electromagnética EMC Directive.

° **2009/125/CE** Directiva de requisitos de diseño ecológico para productos que utilizan energía.

° **2011/65/UE** Directiva RoHS para la restricción de ciertas Sustancias Peligrosas en aparatos eléctricos y electrónicos.

° **2012/19/UE** Directiva de residuos de aparatos eléctricos y electrónicos WEEE.

## º REGULATIONS | REGLAMENTO

º **(UE) 327/2011** Regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW.

º **(UE) 640/2009** Regulation regard to ecodesign requirements for electric motors.

º **(UE) 4/2014** Regulation regard to ecodesign requirements for electric Motors vs Article 1 (EC) 640/2009.

º **305/2011/EU** Construction Products Regulation CPR.

º **(UE) 327/2011** Reglamento para el diseño ecológico para los ventiladores de motor con una potencia eléctrica de entrada comprendida entre 125 W y 500 kW.

º **(UE) 640/2009** Reglamento en lo relativo a los requisitos de diseño ecológico para los motores eléctricos.

º **(UE) 4/2014** Reglamento en lo relativo a los requisitos de diseño ecológico para los motores eléctricos vs atículo 1 (UE) 640/2009.

º **305/2011/EU** Reglamento de Productos de Construcción o CPR.

## º ATEX EXECUTIONS | EJECUCIONES ATEX

º **ATEX 2014/34/UE** Directive Equipment and protective systems intended for use in potentially explosive atmospheres.

º **EN 14986** Design of fans working in potentially explosive atmospheres.

º **EN 13463-1** Non-electrical equipment for use in potentially explosive atmospheres - Part 1: Basic method and requirements.

º **EN 1127-1** Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology.

º **Directiva ATEX 2014/34/UE** Aparatos y sistemas de protección para uso en atmósferas potencialmente explosivas.

º **EN 14986** Diseño de ventiladores para trabajar en atmósferas potencialmente explosivas.

º **EN 13463-1** Equipos no eléctricos destinados a atmósferas potencialmente explosivas. - Parte 1: Requisitos y metodología básica.

º **EN 1127-1** Atmósferas explosivas. Prevención y protección contra la explosión. - Parte 1: Conceptos básicos y metodología.

## º EN-60034-30 STANDARD | NORMATIVA EN-60034-30

º Efficiency classes of single-speed three phase cage induction motors for rotating electrical machines.

All products of this price list meet EN-60034-30 standard which states that as of January 1st 2015 motors with a rated power of 7.5 - 375kW shall have a level of performance below IE3 or IE2 classification and be equipped with a frequency adjustment control.

º Clases de rendimiento para los motores trifásicos de inducción de jaula de velocidad única para máquinas eléctricas rotativas.

Todos los productos de esta tarifa cumplen la normativa EN-60034-30 donde se indica que a partir del 1 de enero de 2015, los motores con una potencia nominal de 7,5 – 375kW no podrán tener un nivel de rendimiento inferior al nivel de clasificación IE3 o IE2 equipados de un mando de regulación de frecuencia.

## º ISO16890 AIR FILTER STANDARDS | NORMATIVA FILTROS DE AIRE ISO16890

º COMPARISON **ISO 16890 VS EN 779-2012**

**ISO 16890** is the new international standard for the testing and classification of air filters used in general ventilation systems. In force since the end of 2016, it replaces the **EN 779-2012** standard.

With this new standard, it is possible to know exactly the protection offered by the filter and it can be chosen according to the air quality desired by the occupants of a closed space.

The thinner a particle is, the more dangerous it is. The more effective the filter against PM1, the better the indoor air quality.

PM1 corresponds to all fine particles whose size is less than 1 micron (0,001mm):
1 µm (micra) = 0,001 mm (= PM1)
2,5 µm = 0,0025 mm (= PM2,5)
10 µm = 0,01 mm (= PM10)

º NEW GROUPS CLASSIFICATION ACCORDING TO **ISO16890**

The new **ISO 16890** standard divides air filters into 4 groups. According to this standard, a filter must have a minimum efficiency of 50% depending on the size of the target particle.

º COMPARACIÓN **ISO 16890 VS EN 779-2012**

**ISO 16890** es la nueva norma internacional para la prueba y clasificación de filtros de aire utilizados en sistemas de ventilación general. En vigor desde finales de 2016, sustituye la norma **EN 779-2012.**

Con este nuevo estándar es posible saber cuál es exactamente la protección que ofrece el filtro y se pueden elegir acuerdo con la calidad del aire deseada por los ocupantes de un espacio cerrado.

Cuanto más fina es una partícula, más peligrosa es. Cuanto más efectivo sea el filtro contra PM1, mejor será la calidad del aire interior.

PM1 corresponde a todas las partículas finas cuyo tamaño es inferior a 1 micra (0,001mm):
1 µm (micra) = 0,001 mm (= PM1)
2,5 µm = 0,0025 mm (= PM2,5)
10 µm = 0,01 mm (= PM10)

º NUEVA CLASIFICACIÓN DE GRUPOS SEGÚN **ISO16890**

La nueva norma **ISO 16890** divide los filtros de aire en 4 grupos. De acuerdo con esta norma, un filtro debe tener una eficiencia mínima del 50% dependiendo del tamaño de la partícula objetivo.

| | | | |
|---|---|---|---|
| ISO $ePM_1$ | $ePM_1$ min ≥ 50% | viruses, nanoparticles, exhaust gases | virus, nanopartículas, gases de escape |
| ISO $ePM_{2,5}$ | $ePM_{2,5}$ min ≥ 50% | bacteria, fungi and mold spores, pollen, toner dust | bacterias, hongos y esporas de moho, polen, polvo de tóner |
| ISO $ePM_{10}$ | $ePM_{10}$ ≥ 50% | pollen, desert dust | polen, polvo del desierto |
| ISO COARSE | $ePM_{10}$ < 50% | sand, hair | arena, cabello |

### º CLASS COINCIDENCE

The measurement and evaluation methods are different between in **779-2012 and ISO16890. ISO 16890** uses particle sizes between 0.3 microns and 10 microns to define efficiencies, while **EN 779-2012** uses a size of 0.4 microns.

The efficiencies at different particle sizes (PM1, PM2,5, PM10) are measured in filters charged and discharged with static electricity. The efficiency per PM fraction is the average of the efficiency of the clean filter (loaded) and that of the conditioned filter (unloaded). The method, which has become more stringent, provides a more accurate indication of the effectiveness of synthetic means.

At present, there is no standard comparison table available between the classes of these 2 standards. Therefore, we propose the following comparison table:

### º COINCIDENCIA DE CLASES

Los métodos de medición y evaluación son diferentes entre en **779-2012 e ISO16890. ISO 16890** utiliza tamaños de partículas entre 0,3 micras y 10 micras para definir eficiencias, mientras que **EN 779-2012** utiliza un tamaño de 0,4 micras.

Las eficiencias en diferentes tamaños de partículas (PM1, PM2,5, PM10) se miden en filtros cargados y descargados con electricidad estática. La eficiencia por fracción de PM es el promedio de la eficiencia del filtro limpio (cargado) y el del filtro acondicionado (descargado). El método, que se ha vuelto más estricto, proporciona una indicación más precisa de la efectividad de los medios sintéticos.

En la actualidad, no existe una tabla estándar de comparación disponible entre las clases de estos 2 estándares. Por lo tanto, proponemos la siguiente tabla de comparación:

| EN779 (Outdated / Obsoleto) | ISO 16890 | | | | ASHRAE 52.2 |
|---|---|---|---|---|---|
| | ISO ePM 1 | ISO ePM 2.5 | ISO ePM 10 | ISO Coarse | |
| **G2** | - | - | - | 50-60% | **MERV 1-4** |
| **G3** | - | - | - | 50-70% | **MERV 5** |
| **G4** | - | - | - | 60-80% | **MERV 6-8** |
| **M5** | - | - | 50-70% | - | **MERV 8-10** |
| **M6** | - | - | 60-80% | - | **MERV 9-13** |
| **F7** | 50-65% | 65-75% | 80-90% | - | **MERV 13-14** |
| **F8** | 65-90% | 75-95% | 90-100% | - | **MERV 14-15** |
| **F9** | 80-90% | 85-95% | 90-100% | - | **MERV 16** |

## EN1822 STANDARD FOR VERY HIGH EFFICIENCY FILTERS | NORMA EN1822 DE FILTROS DE MUY ALTA EFICIENCIA

| Classification of very high efficiency filters according to EN 1822 \| Clasificación de los filtros de muy alta eficiencia según la norma EN 1822 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| EN 1822 | | ASHRAE 52.2 | Integral values MPPS **** \| Valores integrales MPPS**** | | | Local values MPPS**** \| Valores locales MPPS**** | | |
| Group Grupo | Class Clase | | % Min. efficiency Eficiencia mín. % | % Max. penetration Penetración máx. % | Min. coefficient purification Coeficiente mín. de purificación | % Min. efficiency Eficiencia mín. % | % Max. penetration Penetración máx. % | Min. coefficient purification Coeficiente mín. de purificación |
| EPA * | E10 | MERV 16 | 85 | 15 | 6,7 | - | - | - |
| | E11 | MERV 16 | 95 | 5 | 20 | - | - | - |
| | E12 | MERV 17 | 99,5 | 0,5 | 200 | - | - | - |
| HEPA ** | H13 | MERV 18 | 99,95 | 0,05 | 2.000 | 99,75 | 0,25 | 400 |
| | H14 | MERV 19 | 99,995 | 0,005 | 20.000 | 99,975 | 0,025 | 4.000 |
| ULPA *** | Sub-15 | MERV 20 | 99,9995 | 0,0005 | 200.000 | 99,9975 | 0,0025 | 40.000 |
| | Sub-16 | MERV 20 | 99,99995 | 0,00005 | 2.000.000 | 99,99975 | 0,00025 | 400.000 |
| | Sub-17 | MERV 20 | 99,999995 | 0,000005 | 20.000.000 | 99,9999 | 0,0001 | 1.000.000 |

* EPA: Efficient Particulate Air Filter
** HEPA: High Efficiency Particulate Air Filter
*** ULPA: Ultra Low Penetration Air Filter
**** MPPS: Most penetrating particle size

* EPA: Filtro de aire de partículas eficiente
** HEPA: Filtro de aire de partículas de alta eficiencia
*** ULPA: Filtro de aire de penetración ultra baja
**** MPPS: Tamaño de partícula más penetrante

The percentage (%) of efficiency indicated by Casals on the filters corresponds to the minimum value required by the standard
El porcentaje (%) de eficiencia indicado por Casals en los filtros corresponde al valor mínimo exigido por la norma.

## º ICONS LEGEND | LEYENDA ICONOGRÁFICA

There are some icons next to the products description. The meaning of these icons is the following:

The product is available under request with 60Hz and special voltages. Contact us to consult its price.
El producto está disponible bajo demanda con motor a 60Hz y voltajes especiales. Contacte para consultar el precio.

The product can work either 50 or 60Hz without factory setting.
El producto puede trabajar indistintamente a 50 o a 60Hz sin necesidad de configurarlo en fábrica.

Fan equipped with permanent magnet motor (PM).
Ventilador equipado con motor de imanes permanentes (PM).

The product meets the performance requirements outlined in ErP directive 2022.
El producto cumple con las exigencias de eficiencia energética establecidas por la directiva ErP 2022.

IMQ Safety certificate to guaranty the electromechanical compatibility.
Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

Fan for smoke emergency exhaust with motor inside the hazardous area.
Ventilador para la extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo (inmerso).

The product drawing for REVIT is available on request.
El producto dispone de plano para REVIT.

Acompañando la descripción de los productos podrá ver algunos iconos cuyo significado es el siguiente:

The product is available under request with 60Hz 110V. Contact us to consult its price.
El producto está disponible bajo demanda con motor a 60Hz 110V. Contacte para consultar el precio.

It is a certified ATEX fan (for potentially explosive atmospheres).
Se trata de un ventilador certificado ATEX (para trabajar en atmósferas potencialmente explosivas).

The product meets the performance requirements outlined in ErP directive.
El producto cumple con las exigencias de eficiencia energética establecidas por la directiva ErP.

The product is excluded from meeting the ErP directive due to its own exceptions.
El producto está excluido de cumplir con la directiva ErP por motivos descritos en la misma.

Eurovent certificate for exchanger heat recovery units.
Certificado Eurovent para las celulas intercambiadoras de los recuperadores.

Fan for smoke emergency exhaust with motor outside the hazardous area.
Ventilador para la extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo (no inmerso; a trasiego).

## º SALES CONDITIONS | CONDICIONES DE VENTA

| PORTES EN PENÍNSULA | | ISLAS CANARIAS (Tenerife, Gran Canaria) | | ISLAS BALEARES | | ANDORRA | | EXPORT |
|---|---|---|---|---|---|---|---|---|
| Importe pedido | Cargo portes | Importe pedido | Cargo en portes | Importe pedido | Cargo en portes | Importe pedido | Cargo en portes | |
| 0-200 € | 45 € | 0-1500 € | 80 € | 0-1000 € | 60 € | 0-1500 € | 65 € | Ex-Works |
| 201-600 € | 30 € | +1500 € | 0 € | +1000 € | 0 € | +1500 € | 0 € | |
| 601-1000 € | 15 € | Resto de islas | debidos | | | | | |
| +1000 € | 0 € | | | | | | | |

In all cases the material can be collected by the customer with prior notice and request for delivery note.

**º PURCHASING TERMS:**
· Only claims before 30 days will be accepted.
· For customized products, a credit account can be requested.
· Prices excluding VAT.
· Casals has the right to modify prices and products without previous warning.

**º RETURNS:**
· No returns of customized fans will be accepted. In case of standard fans, returns will only be accepted within the first 3 months after delivery.
· A written claim form should be filled and agreed by our sales department before any return is accepted.
· After an evaluation, if the return is not justified, the fan will be returned and the client will be charged for the transport costs as well as 25% depreciation of the fan.
· After an evaluation, if the return is justified, our sales department will arrange collection and credit note, and/or replacement of the fan.

All prices are valid except for printing errors.

**º EXTENSION OF WARRANTY:**
If you require a warranty extension, please always consult before processing the order.

En todos los casos el material se puede recoger por cuenta del cliente con previo aviso y solicitud de albarán.

**º CONDICIONES DE VENTA:**
· No se aceptarán reclamaciones después de los 30 días de la fecha de recepción de la mercancía.
· En los productos personalizados se puede solicitar el abono en cuenta de parte del importe.
· Todos los precios son sin IVA.
· Casals se reserva el derecho de modificar sus precios y productos sin previo aviso.

**º DEVOLUCIONES:**
· No se admitirá ninguna devolución de material de fabricación especial, en ventiladores de catálogo no se aceptarán devoluciones pasados tres meses de la recepción del pedido.
· Las devoluciones serán acordadas con nuestro delegado de ventas por escrito, mediante nuestro impreso de devolución debidamente cumplimentado.
· Si la devolución no es debida a un error de Casals podría ser devuelta con previa negociación, portes debidos y se le aplicará una depreciación mínima del 25%.
· Si la devolución es debida a un error por parte de Casals, se deberá comunicar a nuestro departamento comercial para que procedamos a su recogida y posterior abono.

Precios válidos salvo error tipográfico.

**º AMPLIACIÓN DE GARANTÍA:**
En caso de requerir una ampliación de garantía, consultar siempre antes de tramitar el pedido.

## º MODELS DESCRIPTION | DESCRIPCIÓN DE MODELOS

### º GENERIC DESCRIPTION OF THE MODELS

The description of the fan models that appear in this price list generally keeps the same structure. Its reference is composed of the name of the series, followed by the size of the impeller, the type of motor (single-phase or three-phase), the number of pole of this motor and its power (except in some small models where no power is specified). In case of being a free-shaft fan, there is no motor information.

### º DESCRIPCIÓN GENÉRICA DE LOS MODELOS

La descripción de los modelos de ventiladores que aparecen en esta tarifa generalmente siguen la misma estructura. Su denominación está compuesta por el nombre de la serie, seguida por el tamaño de la turbina, el tipo de motor (monofásico o trifásico), el número de polos de éste y su potencia (salvo en algunos modelos pequeños donde no se especifica potencia). En el caso de ser un ventilador a eje libre, no dispondrá de la información del motor.

| | SERIES | SIZE | SINGLE/THREEPHASE | Nr Pole | POWER |
|---|---|---|---|---|---|
| | SERIE | TAMAÑO | MONO / TRIFÁSICO | Nº POLOS | POTENCIA |
| EXAMPLE WITH MOTOR<br>EJEMPLO CON MOTOR | HBF | 100 | T | 4 | 22kW |
| EXAMPLE WITH FREE SHAFT<br>EJEMPLO EJE LIBRE | BVC | 10/10 | | | |

### º POWER UNITS

The power of the fan motor is described in kW.
For the equivalence in HP, please use the following table:

| | |
|---|---|
| Power (CV) = 1,36 x Power (kw) | Power (CV) = 0,00136 x Power (w) |

### º UNIDADES DE POTENCIA

La potencia del motor de los ventiladores se describe en kW.
Si quiere obtener la equivalencia en CV, use la siguiente tabla:

| | |
|---|---|
| Potencia (CV) = 1,36 x Potencia (kw) | Potencia (CV) = 0,00136 x Potencia (w) |

### º DIMENSIONS UNITS

Axial fans impellers are described in cm. EXAMPLE: HMX 80.
For centrifugal fans we find the following cases:
LOW PRESSURE "impeller diameter/impeller width" in inches: BV 25/20
INDUSTRIAL TYPE 1 "impeller diameter/impeller width" in cm: MB 25/10
INDUSTRIAL TYPE 2 "impeller diameter" in mm: NIMUS 400

### º UNIDADES DE DIMENSIONES

Las hélices de los ventiladores helicoidales se describen en centímetros (cm). EJEMPLO: HMX 80.
En el caso de los ventiladores centrífugos se pueden dar los tres casos siguientes:
BAJA PRESIÓN "diámetro turbina/ancho turbina" en pulgadas: BV 25/20
INDUSTRIALES TIPO 1 "diámetro turbina/ancho turbina" en centímetros: MB 25/10
INDUSTRIALES TIPO 2 "diámetro turbina" en milímetros: NIMUS 400

### º TABLE OF MOST FREQUENT EQUIVALENCES

| V | kW |
|---|---|
| 1/4 | 0,18 |
| 1/3 | 0,25 |
| 1/2 | 0,37 |
| 3/4 | 0,55 |
| 1 | 0,75 |
| 1,5 | 1,1 |
| 2 | 1,5 |
| 3 | 2,2 |
| 4 | 3 |
| 5,5 | 4 |
| 7,5 | 5,5 |
| 10 | 7,5 |
| 15 | 11 |
| 20 | 15 |
| 25 | 18,5 |
| 30 | 22 |

| INCHES | CM |
|---|---|
| 5 | 13 |
| 7 | 19 |
| 9 | 25 |
| 10 | 28 |
| 12 | 33 |
| 15 | 39 |
| 18 | 47 |
| 20 | 51 |
| 22 | 56 |
| 24 | 63 |
| 26 | 68 |

### º TABLA DE EQUIVALENCIAS MÁS USUALES

| CV | kW |
|---|---|
| 1/4 | 0,18 |
| 1/3 | 0,25 |
| 1/2 | 0,37 |
| 3/4 | 0,55 |
| 1 | 0,75 |
| 1,5 | 1,1 |
| 2 | 1,5 |
| 3 | 2,2 |
| 4 | 3 |
| 5,5 | 4 |
| 7,5 | 5,5 |
| 10 | 7,5 |
| 15 | 11 |
| 20 | 15 |
| 25 | 18,5 |
| 30 | 22 |

| PULGADAS | CM |
|---|---|
| 5 | 13 |
| 7 | 19 |
| 9 | 25 |
| 10 | 28 |
| 12 | 33 |
| 15 | 39 |
| 18 | 47 |
| 20 | 51 |
| 22 | 56 |
| 24 | 63 |
| 26 | 68 |

### º 2 SPEEDS MOTORS

The values of the motor powers may vary slightly depending on the brand of motor used.

### º MOTORES DE 2 VELOCIDADES

Los valores de las potencias de los motores podrán variar ligeramente según la marca de motor utilizada.



SAT
Casals Service

**Servicio de Asistencia Técnica**

## Andalucía

**Huelva | Sevilla | Cádiz | Málaga**
**Córdoba | Jaén | Granada**

Sr. Fernando Leal
Tel.: 605 244 371
E-mail: fleal@casals.com

## Andorra

Sr. Josep A. Borrallo Aguilera
Tel.: 676 061 377
E-mail: jborrallo@casals.com

## Aragón

**Zaragoza | Huesca | Teruel | Soria**

Sr. Fernando Bueno
Tel.: 678 687 151
E-mail: fbueno@casals.com

## Asturias

Sr. Angel Estévez
Tel.: 687 221 124
E-mail: angel@betaclima.com

## Balears

Sr. Miguel Castillo
Tel.: 622 591 200
E-mail: mcastillo@casals.com

## Canarias

Sr. Cinto Sunyer
Tel.: 609 654 048
E-mail: csunyer@casals.com

## Castilla y León

**Salamanca | Valladolid | Zamora | León**
**Palencia | Segovia | Ávila**

Sr. Jorge Martín Palacios
Tel.: 670 887 701
E-mail: jmartin@casals.com

## Catalunya

Sr. Josep A. Borrallo Aguilera
Tel.: 676 061 377
E-mail: jborrallo@casals.com

## Centro

**Madrid | Toledo | Guadalajara | Cuenca**
**Ciudad Real**

Sr. Miguel Ángel Casillas
Tel.: 629 100 944
E-mail: macasillas@casals.com

## Extremadura

Sr. Jorge Martín Palacios
Tel.: 670 887 701
E-mail: jmartin@casals.com

## Galicia

Sr. Angel Estévez
Tel.: 687 221 124
E-mail: angel@betaclima.com

## Levante Norte

**Castellón | Valencia**

Sr. Juanjo Martínez
Tel.: 629 686 781
E-mail: juanjomartinez@martinezquerol.com

## Levante Sur

**Alicante | Murcia | Almería | Albacete**

Sr. Diego Friggeri
Tel.: 636 714 770
E-mail: dfriggeri@casals.com

## Navarra

Sr. Fernando Bueno
Tel.: 678 687 151
E-mail: fbueno@casals.com

## Norte

**Cantabria | La Rioja | Álava | Vizcaya**
**Guipúzcoa | Burgos**

Sr. Aitor Lezama
Tel.: 672 001 835
E-mail: alezama@casals.com

## EXPORT BRANCH OFFICES | DELEGACIONES EXPORT



### Casals export

CASALS VENTILACIÓN
Ctra. Camprodon s/n
17860 Sant Joan de les Abadesses
(Girona) SPAIN

Tel.: +34 972720150
E-mail: fans@casals.com

### Casals Latam

CASALS VENTILACIÓN PANAMA

Tel.: +58-414-3242737
E-mail: latam@casals.com

### Casals North America

CASALS VENTILACIÓN FLORIDA

Tel.: +1 (407) 385-4714
E-mail: northamerica@casals.com

## VORTICE GROUP COMPANIES / SOCIEDADES DEL GRUPO VORTICE

**VORTICE S.P.A**
Strada Cerca, 2
Frazione di Zoate
20067 Tribiano
(Milan) Italy
Tel. (+39) 02 906991
Fax (+39) 02 90699625
vortice.com

**VORTICE LIMITED**
Beeches House-Eastern
Avenue Burton upon Trent
DE13 0BB United Kingdom
Tel. (+44) 1283 492949
Fax (+44) 1283 544121
vortice.ltd.uk

**VORTICE INDUSTRIAL S.R.L.**
Via B. Brugnoli 3,
37063 Isola della Scala
(Verona) Italy
Tel. (+39) 045 6631042
Fax (+39) 045 6631039
vorticeindustrial.com

**CASALS VENTILACIÓN AIR INDUSTRIAL S.L.**
Ctra. Camprodon, s/n 17860
Sant Joan de les
Abadesses
(Girona) Spain
Tel. (+34) 972720150
casals.com

**VORTICE LATAM S.A.**
Bodega #6
Zona Franca Este Alajuela,
Alajuela 20101
Costa Rica
Tel. (+506) 2201 6934
vortice-latam.com

**VORTICE VENTILATION SYSTEM**
(Changzhou) Co.LTD
No. 388 West Huanghe Road
Building 19, Changzhou
Post Code: 213000 China
Tel. (+86) 0519 88990150
Fax (+86) 0519 88990151
vortice-china.com

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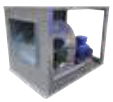

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### ° Centrifugal low pressure fans Centrífugos de baja presión



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### ° Centrifugal medium pressure fans Centrífugos de media presión

#### °° Direct Directo



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### ° Centrifugal high pressure fans Centrífugos de alta presión

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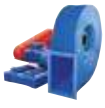

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## ° Centrifugal straight blade fans Centrífugos de pala recta

### °° Direct Directo



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## PLUG FANS | PLUG FANS



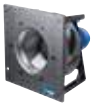
**CIKSTORM** p.171


**CLIBOS** p.173


**CLIBOS-TR** p.175


**ENKELFAN EEC** *Ø155-190* p.177


**ENKELFAN EEC** *Ø250-630* p.177


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## AXIAL FANS | VENTILADORES HELICOIDALES

### ° Wall fans Ventiladores murales



HJEM p.183


HJBM PLUS p.184


HJBM EEC p.187


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### ° Cased fans Ventiladores tubulares



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HCA p.195


HC EVO EEC p.200


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HMA EVO EEC p.208


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## AIR CURTAINS | CORTINAS DE AIRE



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p.214



COURSALIS
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## HIGH EFFICIENCY | ALTA EFICIENCIA



BD EEC
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SB-3 P/F/PF EEC
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SBC-3 P/F/PF EEC
p.42/44/46/48



BOX BD EEC
p.74



BOX BD PLUS EEC
p.75



TWIN BOX BD EEC
p.84



TWIN BOX BD PLUS EEC
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HJBM EEC
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HC/HCA EVO EEC
p.200



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BT-3 EEC
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RESIDENTIAL | RESIDENCIAL
HEAT RECOVERY UNITS | RECUP. CALOR
p.386/388/390/392/394



OREQA EEC / QUANTICA EEC
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KUVIO EEC
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ENKELFAN EEC
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SYBILO-S EEC
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ENKELBOX EEC
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ENKELBOX FILTER EEC
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ENKELBOX PLUS EEC
p.66



*Only in Spanish market*

KUVIO-Q EEC
p.224



ENKELROOF EEC
p.32



ENKELROOF-A EEC
p.32

## DUCTED FANS | VENTILADORES EN CONDUCTO



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p.51



BOX HBA
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HMA
p.202



HM EVO EEC
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HMA EVO EEC
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SB-3 PLUS EEC
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SB-3 FILTER EEC
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SBC-3 FILTER EEC
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SB-3 PLUS FILTER EEC
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SBC-3 PLUS FILTER EEC
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KENTALBOX PLUS
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KENTALCOOK
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BOX BD EEC
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BOX BD PLUS EEC
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BOX BV
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TWIN BOX BD
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HMR EVO
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KUVIO
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KUVIO EEC
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*Only in Spanish market*

KUVIO-Q
p.223



*Only in Spanish market*

KUVIO-Q EEC
p.224

## JET FANS | VENTILADORES DE IMPULSO

### ° Comfort Confort



JF CONFORT p.226


JFC CONFORT p.228


SYBILO CONFORT p.230


SYBILO-S EEC p.231


### ° Smoke exhaust F300 F400 Desenfumaje F300 F400



JF F400 p.227


JF F300 p.227


JFC F400 p.229


JFC F300 p.229


SYBILO F400 p.230


SYBILO F300 p.230


## SMOKE EXHAUST | DESENFUMAJE

### °° Inside Inmersos (400°C/2h, 300°C/2h)



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HBFX F400 p.233


HBF F300 p.236


HBFX F300 p.236


HCF F400 p.239


HCFX F400 p.239


HCF F300 p.242


HCFX F300 p.242


HMF F400 p.245


HMFX F400 p.245


HMF F300 p.249


HMFX F300 p.249


JFC (core) p.253


BOX HBF F400 p.255


BOX HBFX F400 p.255


BOX HBF F300 p.258


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JF F400 p.227


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JFC F300 p.229


SYBILO F400 p.230


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BOX RLF F400 p.263


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### °° Outside A trasiego (400°C/2h)



CTH3-A F400 p.265


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## 120°C IN CONTINUOUS | 120°C EN CONTINUO



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## ATEX FANS | VENTILADORES ATEX



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HMFX F400 p.245


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MDI ATEX p.308


MBPX p.309


MBPCX p.311


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AAX 45/5-60/7 p.315


AAX 47-70 p.315


KASTORM ATEX p.317


NIMUS ATEX p.319


PRESTUR ATEX p.322


CTH3-A ATEX p.324


MBCA ATEX p.326


MBRM ATEX p.329


MBRU ATEX p.332


MBGR ATEX p.335


MBZM P/R ATEX p.338


AAVA ATEX p.341


AAVC ATEX p.343


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AAZA ATEX p.352


AAZB ATEX p.354


AAZC ATEX p.356


MTCA ATEX p.359


MTRL ATEX p.360


MTRM ATEX p.361

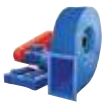

MTRU ATEX p.362


MTGR ATEX p.364


MTZM P/R ATEX p.365


AATVA ATEX p.368


AATVP ATEX p.369


AATVM ATEX p.370


AATVC ATEX p.372


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AATZA ATEX p.374


AATZB ATEX p.375


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## INDUSTRIAL PROCESSES | PROCESOS INDUSTRIALES



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NIMAX p.99


PRESTUR p.101


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MTRM p.142


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## MATERIAL TRANSPORT | TRANSPORTE DE MATERIAL



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MB P/R p.128


MBZM P/R p.129


MTZM P/R p.143


AA P/R p.159


AAZA p.160


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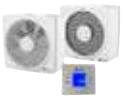

## RESIDENTIAL | RESIDENCIAL



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IKHUNA p.379


KUBALIK p.380


KUBALIK CO2 p.380


ERELIS p.381


TEKSTÜR p.382


TEKSTÜR PLUS p.383


KUVIO p.221


KUVIO EEC p.222


Only in Spanish market
KUVIO-Q p.223


Only in Spanish market
KUVIO-Q EEC p.224


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KRISONA EEC DUO p.388


MOOTA LP EEC p.390


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ACC. SYSTEM p.396


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SB-3 FILTER EEC p.46


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BEA SC p.400


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## AIR PURIFIERS | PURIFICADORES DE AIRE



REINTAIR®
p.407


REINTAIR® WARRIOR
p.409


REINTDECK
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REINTDECK WARRIOR
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REINTDECK EASY
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REINTDECK EASY WARRIOR
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## TERTIARY HEAT RECOVERY UNITS | RECUPERADORES DE CALOR TERCIARIO



OREQA EEC
p.425


QUANTICA EEC
p.434


## SYSTEMS | SISTEMAS



KIT-PE
p.443


KIT-PE STAIRSHIELD
p.444


KIT-PE STAIRSHIELD DAMPER
p.445


KIT-PE DUAL STAIRSHIELD
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KIT-PE DUAL STAIRSHIELD DAMPER
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BOX DAMPER SS
p.448


CO-MASTER
p.452


CO-SENS & COMPACT
p.453


CO-CARD
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CO-CARD EXPAND
p.453


## MECHANICAL ACCESSORIES | ACCESORIOS MECÁNICOS

### Protection guards Rejillas de protección



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RP0
p.455


RP1
p.456


RI
p.457


RIS
p.458


RM
p.458


RBS
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RA
p.459


RAI
p.459


### Shutters Persianas

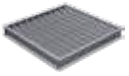


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p.461


PCP
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PSD-2
p.461


PI
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OP SB-3
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BSH/BSV
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BDC
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### Filters and boxes Filros y cajones



BOX FILTER
p.466


CPCC
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CPCR
p.468


PL_CPCR
p.469


HCPCR
p.470

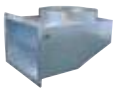
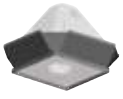
## Supports Pies y soportes


| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | | | | | | | |
| ACMP p.477 | AMC p.477 | ASIL p.477 | TM p.478 | | | | | | | |

## Connection flanges Embocaduras

| | | | | | | | | | |
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| BID p.488 | BIDS p.490 | DBIC p.492 | TCA p.493 | TIC p.493 | TBIC p.494 | TIAC p.494 | BAC p.495 | CLBI p.495 | |

## Other Otros

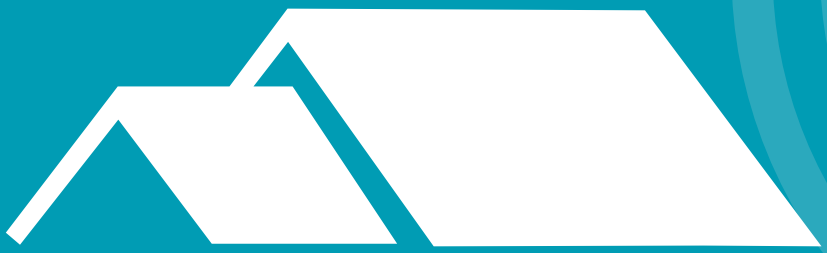
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| VIS p.496 | VISC p.497 | TEJ p.497 | AVR p.498 | AVS p.499 | AVT p.499 | AT p.500 | CPS p.500 | KV p.501 | CLBC p.501 |
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| AB p.502 | SILC-MINI p.502 | SILC-MINI C p.502 | C-ISOL p.503 | C-FLEX p.503 | FAT TRAP p.503 | MANG M-M p.504 | MANG F-F p.504 | SIL-C p.505 | SIL-CN p.505 |

## ELECTRICAL ACCESSORIES | ACCESORIOS ELÉCTRICOS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| REPROFIRE p.507 | BOIT-R p.509 | BOIT-P p.509 | BOIT-D p.510 | DIRECT-DV p.511 | REGD p.511 | REG p.511 | REGC p.512 | REG TWIN p.512 | REG FILTER p.513 |
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| SFC p.514 | SFC-PDV p.515 | INT p.515 | INT 400 p.515 | PMR p.516 | INT 3V p.516 | INT ATEX p.516 | INT PS p.516 | DPT 500 p.517 | SCO2 IAQ p.517 |
|  |  |  |  | | | | | | |
| DCO2 p.518 | LARIDIS p.518 | LENTICHEK p.518 | IEC p.519 | | | | | | |

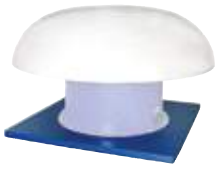
# º Roof fans

# º Ventiladores de tejado



| | | | | | | | |
|---|---|---|---|---|---|---|---|
|  KIT TE |  KIT TM |  KIT TE + HM |  KIT TM + HM |  ENKELROOF EEC |  ENKELROOF-A EEC |  KENTALROOF CONFORT |  KENTALROOF-A CONFORT |
|  MBPV |  CTH4 |  FOCCETA | | | | | |

# KIT TE
# KIT TM



KIT TE (+ HM/HC)



KIT TM (+ HM/HC)
(+ HMF/HCF)

## ROOF KIT FOR CASED FANS

### MANUFACTURING FEATURES

Set that allows to install short or long cased fans on the roof protecting them from inclement weather.

**KIT TE**

Set consisting of:
- Cowl made of reinforced glass fiber protection cowl.
- Support framework for roof adaptation in laminated steel sheet protected against corrosion by powder coating polyester resin.
- Anti-bird protection grid protected against corrosion.
- Kit not suitable for fire (fiber cowl -20+110ºC).

**KIT TM**

Set consisting of:
- Cowl made of galvanized sheet.
- Support framework for roof adaptation in laminated steel sheet protected against corrosion by powder coating polyester resin.
- Anti-bird protection grid protected against corrosion.
- Kit suitable for fire (metal cap).

### APPLICATIONS

Designed for roof installation, they are indicated for:
- Renovation of air in all types of buildings and industries.
- Smoke extraction.
- Contribution of clean air.
- Maximum temperature subject to installed fan.
- Suitable for air speed lower than 13 m/s.

### UNDER REQUEST

- Framework support in AISI 304, 316.
- Cold galvanized steel.
- Hot galvanized steel.

## KIT TEJADO PARA VENTILADORES TUBULARES

### CARACTERÍSTICAS CONSTRUCTIVAS

Conjunto que permite instalar ventiladores tubulares de camisa corta/ larga en tejado protegiéndolos de las inclemencias meteorológicas.

**KIT TE**

Conjunto compuesto por:
- Sombrerete de protección en fibra de vidrio reforzada.
- Marco soporte de adaptación a tejado en chapa de acero laminado protegido contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Rejilla de protección antipájaros protegidos contra la corrosión.
- Kit no apto para fuego (sombrerete de fibra -20+110ºC).

**KIT TM**

Conjunto compuesto por:
- Sombrerete en chapa galvanizada.
- Marco soporte de adaptación a tejado en chapa de acero laminado protegido contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Rejilla de protección antipájaros protegidos contra la corrosión.
- Kit apto para fuego (sombrerete metálico).

### APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Aportación de aire limpio.
- Temperatura máxima sujeto a ventilador instalado.
- Adecuado para velocidades de aire de hasta 13 m/s.

### BAJO DEMANDA

- Marco soporte en AISI 304, 316.
- Acero galvanizado en frio.
- Acero galvanizado en caliente.

## ACCESSORIES ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**INT** pg.515
Safety switch.
Interruptor de corte.



**BTI** pg.476
Inclined roof support.
Base tejadillo inclinable.

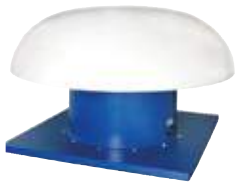
## KIT TE

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso Kg | R.R.P. €<br>P.V.P € |
|---|---|---|---|---|
| KTE35 | KIT TE 35 | HM-HC-HMA-HCA 35 | 12 | **552,50** |
| KTE40 | KIT TE 40 | HM-HC-HMA-HCA 40 | 14 | **511,00** |
| KTE45 | KIT TE 45 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 45 | 17 | **608,80** |
| KTE50 | KIT TE 50 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 50 | 23 | **739,30** |
| KTE56 | KIT TE 56 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 56 | 30 | **869,80** |
| KTE63 | KIT TE 63 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 63 | 31 | **963,50** |
| KTE71 | KIT TE 71 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 71 | 42 | **1.000,30** |
| KTE80 | KIT TE 80 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 80 | 42 | **1.272,10** |
| KTE90 | KIT TE 90 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 90 | 52 | **1.374,40** |
| KTE100 | KIT TE 100 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 100 | 52 | **1.374,40** |

## KIT TM

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso Kg | R.R.P. €<br>P.V.P € |
|---|---|---|---|---|
| KTM35 | KIT TM 35 | HM-HC-HMA-HCA 35 | 13 | **690,60** |
| KTM40 | KIT TM 40 | HM-HC-HMA-HCA 40 | 16 | **638,80** |
| KTM45 | KIT TM 45 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 45 | 19 | **730,70** |
| KTM50 | KIT TM 50 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 50 | 26 | **861,20** |
| KTM56 | KIT TM 56 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 56 | 33 | **1.000,30** |
| KTM63 | KIT TM 63 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 63 | 33 | **1.108,20** |
| KTM71 | KIT TM 71 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 71 | 45 | **1.150,30** |
| KTM80 | KIT TM 80 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 80 | 45 | **1.462,90** |
| KTM90 | KIT TM 90 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 90 | 56 | **1.580,50** |
| KTM100 | KIT TM 100 | HM-HC-HMA-HCA-HMF-HCF-HMX-HCX-HMFX-HCFX 90 | 56 | **1.580,50** |

# KIT TE + HM



## AXIAL WITH FIBERGLASS COWL

### MANUFACTURING FEATURES
- Roof cowl made of reinforced fibreglass.
- Roof base support and bird protection guard with polyester powder coat finishing.
- HM fans.(tubular). Supplied disassembled from del cover and base.
- Variable pitch angle Polypropylene impeller (A2 profile) or polyamide impeller reinforced with fibreglass (other profiles).
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz and for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS
Specially designed for roof installation, they are suitable for:
- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum working temperature: 1ph 50ºC, 3ph 60ºC.

### UNDER REQUEST
- B form impeller (air flow from impeller to motor)
- Reversible impeller 100%
- Cast aluminium impellers.
- 60Hz fans and special voltages.
- 2 speed motors.
- Hot dip galvanised and stainless steel housings.
- Galvanised steel sheet cowl.

## VENTILADOR HELICOIDAL CON SOMBRERO DE FIBRA

### CARACTERÍSTICAS CONSTRUCTIVAS
- Sombrerete de protección en fibra de vidrio reforzada.
- Marco soporte de adaptación a tejado y rejilla de protección antipájaros protegidos contra la corrosión en polvo de resina de poliéster.
- Ventiladores de la serie HM (tubular). El capuchón y la base se suministra a parte del ventilador.
- Hélice de polipropileno para perfil A2 y poliamida reforzada con fibra de vidrio para resto de perfiles de ángulo variable en paro y en origen.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes Standard 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES
Diseñados para montaje en cubierta o tejado, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

### BAJO DEMANDA
- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.
- Hélices en fundición de aluminio.
- Ventiladores para trabajar a 60Hz, voltajes especiales.
- Motor 2 velocidades.
- Envolventes en chapa galvanizada en caliente o acero inoxidable.
- Sombrerete de chapa galvanizada.

## KIT TE + HM

## SINGLE PHASE RANGE SERIE MONOFÁSICA

### 4 pole 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| KTE35+26136130635P | KIT TE + HM 35 M4 0,12kW (A0:6) 35º | 1380 | 1,15 | 0,12 | 2.320 | 41 | 16 | **1.069,50** |
| KTE40+26141230635P | KIT TE + HM 40 M4 0,25kW (A0:6) 35º | 1400 | 1,93 | 0,25 | 3.290 | 44 | 20 | **1.122,60** |
| KTE45+26146430640P | KIT TE + HM 45 M4 0,55kW (A0:6) 40º | 1400 | 3,98 | 0,55 | 4.950 | 47 | 28 | **1.383,10** |

## THREE PHASE RANGE SERIE TRIFÁSICA

### 4 pole 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| KTE35+26136160635P | KIT TE + HM 35 T4 0,12kW (A0:6) 35º | 1400 | 0,8 | 0,46 | 0,12 | 2.320 | 41 | 16 | **1.156,90** |
| KTE40+26141260635P | KIT TE + HM 40 T4 0,25kW (A0:6) 35º | 1400 | 1,38 | 0,79 | 0,25 | 3.290 | 44 | 20 | **1.213,90** |
| KTE45+26146460640P | KIT TE + HM 45 T4 0,55kW (A0:6) 40º | 1440 | 2,57 | 1,49 | 0,55 | 4.950 | 47 | 28 | **1.411,00** |
| KTE56+26157362633P | KIT TE + HM 56 T4 0,75kW (A2:6) 32,5º | 1410 | 2,83 | 1,63 | 0,75 | 8.440 | 54 | 36 | **2.022,40** |
| KTE63+26164562635P | KIT TE + HM 63 T4 1,5kW (A2:6) 35º | 1450 | 5,67 | 3,26 | 1,50 | 12.940 | 56 | 53 | **2.338,90** |
| KTE71+26172462635P | KIT TE + HM 71 T4 2,2kW (A2:6) 35º | 1435 | 8,07 | 4,64 | 2,20 | 18.030 | 59 | 61 | **2.648,70** |
| KTE80+26181462635P | KIT TE + HM 80 T4 3kW (A2:6) 35º | 1420 | 10,7 | 6,17 | 3,00 | 24.170 | 63 | 100 | **3.176,60** |
| KTE90+26191266328P | KIT TE + HM 90 T4 4kW (A6:3) 28º | 1440 | 14,5 | 8,32 | 4,00 | 30.230 | 66 | 115 | **4.482,40** |

### 6 pole 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| KTE63+26165462635P | KIT TE + HM 63 T6 0,55kW (A2:6) 35º | 900 | 3,00 | 1,8 | 0,55 | 8.390 | 47 | 53 | **2.264,60** |
| KTE71+26173462640P | KIT TE + HM 71 T6 0,75kW (A2:6) 40º | 925 | 3,39 | 1,95 | 0,75 | 12.630 | 51 | 61 | **2.483,50** |
| KTE80+26182462640P | KIT TE + HM 80 T6 1,1kW (A2:6) 40º | 925 | 4,83 | 2,78 | 1,10 | 17.120 | 52 | 100 | **2.964,80** |
| KTE90+26192366332P | KIT TE + HM 90 T6 1,5kW (A6:3) 32º | 940 | 6,45 | 3,71 | 1,50 | 31.130 | 58 | 115 | **4.217,40** |
| KTE100+26106566628P | KIT TE + HM 100 T6 4kW (A6:6) 28º | 1440 | 15,2 | 8,8 | 4,00 | 28.480 | 67 | 254 | **5.157,40** |

# KIT TM + HM



AXIAL WITH METALIC COWL

VENTILADOR HELICOIDAL CON SOMBRERO METÁLICO

**MANUFACTURING FEATURES**

- Roof cowl made of galvanizez steel.
- Roof base support and bird protection guard with polyester powder coat finishing.
- HM fans.(tubular). Supplied disassembled from del cover and base.
- Variable pitch angle Polypropylene impeller (A2 profile) or polyamide impeller reinforced with fibreglass (other profiles).
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz and for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

**APPLICATIONS**

Specially designed for roof installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum working temperature: 1ph 50ºC, 3ph 60ºC.

**UNDER REQUEST**

- B form impeller (air flow from impeller to motor)
- Reversible impeller 100%
- Cast aluminium impellers.
- 60Hz fans and special voltages.
- 2 speed motors.
- Hot dip galvanised and stainless steel housings.
- Reinforced fibreglass sheet cowl.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Sombrerete de protección en fibra de chapa galvanizada .
- Marco soporte de adaptación a tejado y rejilla de protección antipájaros protegidos contra la corrosión en polvo de resina de poliéster.
- Ventiladores de la serie HM (tubular). El capuchón y la base se suministra a parte dl ventilador.
- Hélice de polipropileno para perfil A2 y poliamida reforzada con fibra de vidrio para resto de perfiles de ángulo variable en paro y en origen.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes Standard 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores hasta 4kW y 400/690V 50Hz para potencias superiores.

**APLICACIONES**

Diseñados para montaje en cubierta o tejado, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

**BAJO DEMANDA**

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.
- Hélices en fundición de aluminio.
- Ventiladores para trabajar a 60Hz, voltajes especiales.
- Motor 2 velocidades.
- Envolventes en chapa galvanizada en caliente o acero inoxidable.
- Sombrerete de fibra de vidrio reforzada.

## KIT TM+HM

### SINGLE PHASE RANGE SERIE MONOFÁSICA

#### 4 pole 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| KTM35+26136130635P | KIT TM + HM 35 M4 0,12kW (A0:6) 35º | 1380 | 0,93 | 0,12 | 2.320 | 41 | 16 | **1.207,60** |
| KTM40+26141230635P | KIT TM + HM 40 M4 0,25kW (A0:6) 35º | 1410 | 1,6 | 0,25 | 3.290 | 44 | 20 | **1.250,40** |
| KTM45+26146430640P | KIT TM + HM 45 M4 0,55kW (A0:6) 40º | 1400 | 3,98 | 0,55 | 4.950 | 47 | 28 | **1.505,00** |

### THREE PHASE RANGE SERIE TRIFÁSICA

#### 4 pole 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| KTM35+26136160635P | KIT TM + HM 35 T4 0,12kW (A0:6) 35º | 1400 | 0,8 | 0,46 | 0,12 | 2.320 | 41 | 16 | **1.295,00** |
| KTM40+26141260635P | KIT TM + HM 40 T4 0,25kW (A0:6) 35º | 1400 | 1,38 | 0,79 | 0,25 | 3.290 | 44 | 20 | **1.341,70** |
| KTM45+26146460640P | KIT TM + HM 45 T4 0,55kW (A0:6) 40º | 1440 | 2,57 | 1,49 | 0,55 | 4.950 | 47 | 28 | **1.532,90** |
| KTM56+26157362633P | KIT TM + HM 56 T4 0,75kW (A2:6) 32,5º | 1410 | 2,83 | 1,63 | 0,75 | 8.440 | 54 | 36 | **2.152,90** |
| KTM63+26164562635P | KIT TM + HM 63 T4 1,5kW (A2:6) 35º | 1450 | 5,67 | 3,26 | 1,50 | 12.940 | 56 | 53 | **2.483,60** |
| KTM71+26172462635P | KIT TM + HM 71 T4 2,2kW (A2:6) 35º | 1435 | 8,07 | 4,64 | 2,20 | 18.030 | 59 | 61 | **2.955,70** |
| KTM80+26181462635P | KIT TM + HM 80 T4 3kW (A2:6) 35º | 1420 | 10,7 | 6,17 | 3,00 | 24.170 | 63 | 100 | **3.367,40** |
| KTM90+26191266328P | KIT TM + HM 90 T4 4kW (A6:3) 28º | 1440 | 14,5 | 8,32 | 4,00 | 30.230 | 66 | 115 | **4.688,50** |

#### 6 pole 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| KTM63+26165462635P | KIT TM + HM 63 T6 0,55kW (A2:6) 35º | 900 | 3,00 | 1,8 | 0,55 | 8.390 | 47 | 53 | **2.409,30** |
| KTM71+26173462640P | KIT TM + HM 71 T6 0,75kW (A2:6) 40º | 925 | 3,39 | 1,95 | 0,75 | 12.630 | 51 | 61 | **2.633,50** |
| KTM80+26182462640P | KIT TM + HM 80 T6 1,1kW (A2:6) 40º | 925 | 4,83 | 2,78 | 1,10 | 17.120 | 52 | 100 | **3.155,60** |
| KTM90+26192366332P | KIT TM + HM 90 T6 1,5kW (A6:3) 32º | 940 | 6,45 | 3,71 | 1,50 | 21.130 | 58 | 115 | **4.423,50** |
| KTM100+26106566628P | KIT TM + HM 100 T6 4kW (A6:6) 28º | 1440 | 15,2 | 8,8 | 4,00 | 28.480 | 67 | 256 | **5.363,50** |

# ENKELROOF EEC & ENKELROOF-A EEC



**ENKELROOF EEC**



**ENKELROOF-A EEC**




Sistema abatible | Hinged system
(modelos 500, 560 & 630)

50 & 60 Hz
60 Hz +info 110V
ErP
EEC PM motors

## ROOF FAN WITH ABS & ALUMINIUM COWL

### MANUFACTURING FEATURES

• ABS protection cowl (ENKELROOF EEC) and in anticorrosive treated aluminum (ENKELROOF-A EEC) easily removable for motor and impeller maintenance (integrated folding system in models 500, 560 and 630). The ABS cowl is characterized by its toughness, impact resistance and ability to withstand extreme temperatures. 100% of the ABS used in the cowl is recycled.
• The design of the cowl with a rounded shape is specific to minimize the risk of water ingress due to rain (including rain).
• Structure in anticorrosive galvanized steel and support frame for adaptation to the roof with anti-bird protection grid.
• High-efficiency backward-curved blade impeller (IE4 for three phase motors and IE5 for single motors) with self-cleaning system. Self-cleaning system. Reinforced polyamide impeller for models 155, 190 and 220. The rest of the models in aluminum.
• EC technology uses integral electronic control to ensure that the motor always runs at optimal load and ensures efficient energy utilization. It incorporates an external rotor EC motor with high efficiency and low noise level. Speed control through a 0-10V or PWM signal. 230V 50/60Hz single-phase power supply for models 155 to 310 and 400V 50/60Hz three-phase power supply for sizes from 355 to 630. IP54 and motor class B insulation.

### APPLICATIONS

Designed for deck or roof mounting, they are indicated for:
• Smoke extraction.
• Air renewal in all types of buildings and industries.
• Working temperature range from -20ºC to 60ºC for models size 155-310, -25ºC to 60ºC for 355-450 sizes, -30ºC to 50ºC for size 500 and -30ºC to 40ºC for 560 and 630 models.

### UNDER REQUEST

• Fan (size between 250 and 450) with k-factor reading.

## VENTILADOR DE TEJADO, SOMBRERO EN ABS & ALUMINIO

### CARACTERÍSTICAS CONSTRUCTIVAS

• Sombrero de protección en ABS (ENKELROOF EEC) y en aluminio tratado anticorrosivo (ENKELROOF-A EEC) fácilmente extraíble para mantenimiento al motor y turbina (los modelos 500-560 y 630 equipan un sistema abatible para facilitar el mantenimiento). El sombrero en ABS se caracteriza por su tenacidad, resistencia a impactos y es capaz de soportar temperaturas ambiente extremas. El 100% del ABS usado en el sombrero es reciclado.
• El diseño del sombrero con forma redondeada es específico para minimizar los riesgos de entrada de agua por lluvia (incluso racheada).
• Estructura en acero galvanizado anticorrosivo y marco soporte de adaptación a tejado con rejilla de protección antipájaros.
• Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento (IE4 para motores trifásicos e IE5 para monofásicos) con sistema autolimpiante, equilibradas estáticamente. Turbina de poliamida reforzada para los modelos 155, 190 y 220. El resto de los modelos en aluminio.
• La tecnología EC utiliza un control electrónico integral para garantizar que el motor funcione siempre con la carga óptima y garantiza una utilización eficaz de la energía. Incorpora un motor EC de rotor exterior de alta eficiencia y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos 155 a 310 y trifásica 400V 50/60Hz para tamaños entre 355 y 630. IP54 y aislamiento motor clase B. Acompañado por accesorios específicamente diseñados para ENKELROOF EEC con el objetivo de adaptarse a cualquier tipo de cubiertas y necesidades del sistema de ventilación. Ver listado en documentos incluidos en Fanware.

### APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:
• Extracción de humos.
• Renovación de aire en todo tipo de edificios e industrias.
• Rango de temperatura de trabajo de -20ºC a 60ºC para modelos de 155 a 310, de -25ºC a 60ºC para modelos 355 a 450, de -30ºC a 50ºC para el modelo 500 y de -30ºC a 40ºC para los tamaños 560 y 630.

### BAJO DEMANDA

• Ventilador (tamaño entre 250 y 450) con lectura de factor k.

## ACCESSORIES ACCESORIOS



**AC** pg.479
Conection flange
Brida conexión



**BAD** pg.484
Circular-circular anti-vibration flange
Brida antivibratoria circular-circular



**BTI** pg.476
Inclined roof support
Base tejadillo inclinable



**BTI+ACMP** pg.477
Suitable for install a CMP-HUT in a roof fan using a BTI.
Accesorio adecuado para instalar una CMP-HUT a un ventildor de tejado con BTI.



**BTI+ACMP+AMC** pg.478
Suitable for install both CMP-HUT and ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar a la vez CMP-HUT y ASIL a un ventildor de tejado con BTI.



**BTI+AMC** pg.477
Suitable for installa ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar una ASIL a un ventildor de tejado con BTI.



**CMP-HUT** pg.462
High temperature damper for horizontal/vertical position.
Compuerta de alta temperatura para posición horizontal/vertical.



**INT** pg.515
Safety switch.
Interruptor de corte.



**KV** pg.501
Vertical kit for roof fans
Kit vertical para ventiladores de tejado



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**SIL-C** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



**SIL-CN** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



**PMR** pg.516
Speed controller with safety switch for EEC motor
Regulador velocidad con interruptor de seguridad para motor EEC



**REGC** pg.512
Speed controller for EEC motor
Regulador velocidad para motor EEC



**SILC-MINI C** pg.491
Circular sound attenuator in galvanised steel.
Silenciador circular en acero galvanizado.

## ENKELROOF EEC

### SINGLE PHASE RANGE SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKREC155 | ENKELROOF 155 EEC | 3950 | 0,25 | 0,06 | 460 | 46 | 5 | **425,00** |
| ENKREC190 | ENKELROOF 190 EEC | 3570 | 0,6 | 0,09 | 760 | 49 | 5 | **430,00** |
| ENKREC220 | ENKELROOF 220 EEC | 2600 | 0,6 | 0,08 | 870 | 50 | 7 | **484,00** |
| ENKREC250 | ENKELROOF 250 EEC | 2500 | 1,00 | 0,15 | 1.640 | 51 | 9 | **590,00** |
| ENKREC310 | ENKELROOF 310 EEC | 2350 | 1,7 | 0,36 | 3.160 | 55 | 16 | **828,50** |

### THREE PHASE RANGE SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKREC355 | ENKELROOF 355 EEC | 2100 | 1,63 | 0,99 | 4.890 | 55 | 17,50 | **1.320,00** |
| ENKREC450 | ENKELROOF 450 EEC | 1450 | 1,67 | 1,01 | 6.955 | 48 | 19 | **1.480,00** |
| ENKREC500 | ENKELROOF 500 EEC | 1800 | 4,95 | 3,00 | 13.850 | 73 | 92 | **2.590,00** |
| ENKREC560 | ENKELROOF 560 EEC | 1520 | 4,4 | 2,77 | 16.100 | 85 | 107 | **3.389,00** |
| ENKREC630 | ENKELROOF 630 EEC | 1250 | 4,4 | 2,70 | 18.600 | 100 | 123 | **3.605,00** |

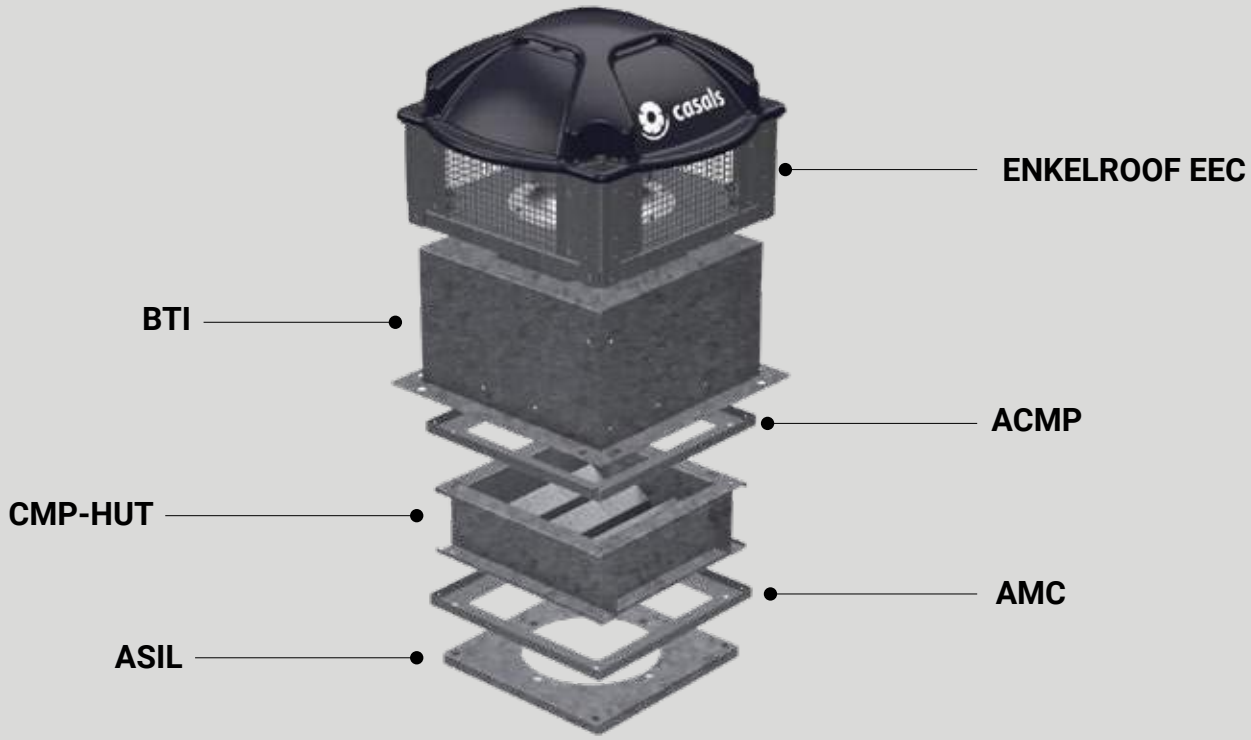
## ENKELROOF-A EEC

### SINGLE PHASE RANGE SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKRAEC155 | ENKELROOF-A 155 EEC | 3950 | 0,25 | 0,06 | 460 | 46 | 5 | **445,60** |
| ENKRAEC190 | ENKELROOF-A 190 EEC | 3570 | 0,6 | 0,09 | 760 | 49 | 5 | **450,80** |
| ENKRAEC220 | ENKELROOF-A 220 EEC | 2600 | 0,6 | 0,08 | 870 | 50 | 7 | **507,40** |
| ENKRAEC250 | ENKELROOF-A 250 EEC | 2500 | 1,00 | 0,15 | 1.640 | 51 | 9 | **618,50** |
| ENKRAEC310 | ENKELROOF-A 310 EEC | 2350 | 1,7 | 0,36 | 3.160 | 55 | 16 | **868,60** |

### THREE PHASE RANGE SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKRAEC355 | ENKELROOF-A 355 EEC | 2100 | 1,63 | 0,99 | 4.890 | 55 | 17,50 | **1.397,00** |
| ENKRAEC450 | ENKELROOF-A 450 EEC | 1450 | 1,67 | 1,01 | 6.955 | 48 | 19 | **1.566,30** |
| ENKRAEC500 | ENKELROOF-A 500 EEC | 1800 | 4,95 | 3,00 | 13.850 | 73 | 17,50 | **2.741,00** |
| ENKRAEC560 | ENKELROOF-A 560 EEC | 1520 | 4,4 | 2,77 | 16.100 | 85 | 19 | **3.586,60** |
| ENKRAEC630 | ENKELROOF-A 630 EEC | 1250 | 4,4 | 2,70 | 18.600 | 100 | 92 | **3.815,20** |



# KENTALROOF & KENTALROOF-A CONFORT

NEW NUEVO



KENTALROOF CONFORT



KENTALROOF - A CONFORT



Sistema abatible
Hinged system

60 +info Hz

ErP

## ROOF FAN WITH HINGED SYSTEM AND ABS & ALUMINIUM COWL

### MANUFACTURING FEATURES

• ABS protection cowl (KENTALROOF CONFORT) and in anticorrosive treated aluminum (KENTALROOF-A CONFORT) easily removable for access to motor and impeller thanks to the integrated hinged system. The ABS cowl is characterized by its toughness, resistance to impacts and is able to withstand extreme ambient temperatures. 100% of the ABS used in the this cowl is recycled.
• The design of the cowl with a rounded shape is specific to minimize the risk of water ingress due to rain.
• Equipped with a hinged system to open the motor-impeller set. This system allows easy maintenance and cleaning of the set without the need to disassemble the entire structure. The opening is possible in 2 inclinations: approximately 45º and 90º, as required by the intervention.
• Structure in anticorrosive galvanized steel and support frame for adaptation to the roof with anti-bird protection grid.
• High-performance, backward-curved blade (reaction) impellers designed to work without scroll. Self-cleaning system, built in galvanized steel treated with anti-corrosion.
• Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW & 400/690V 50Hz for higher powers and 400V 50Hz for 2 speed motors.

### APPLICATIONS

Designed for deck or roof mounting, they are indicated for:
• Smoke extraction.
• Air renewal in all types of buildings and industries.
• Maximum continuous working temperature: transported air 80ºC, ambient 60ºC to -25ºC in three-phase motors.

### UNDER REQUEST

• Special voltages.
• Special contruction for moving air at 120ºC (KENTALROOF-A CONFORT).

## VENTILADOR DE TEJADO ABATIBLE CON SOMBRERO ABS & ALUMINIO

### CARACTERÍSTICAS CONSTRUCTIVAS

• Sombrero de protección en ABS (KENTALROOF CONFORT) y en aluminio tratado anticorrosivo (KENTALROOF-A CONFORT) fácilmente extraíble para acceso a motor y turbina gracias al sistema abatible integrado. El sombrero en ABS se caracteriza por su tenacidad, resistencia a impactos y es capaz de soportar temperaturas ambiente extremas. El 100% del ABS usado en el sombrero es reciclado.
• El diseño del sombrero con forma redondeada es específico para minimizar los riesgos de entrada de agua por lluvia (incluso racheada).
• Dotado de sistema batiente para la apertura del conjunto motor-turbina. Este sistema permite el fácil mantenimiento y limpieza del conjunto sin necesidad de desmontar toda la estructura. La apertura es posible en 2 inclinaciones: 45º y 90º aproximadamente, según requiera la intervención.
• Estructura en acero galvanizado anticorrosivo y marco soporte de adaptación a tejado con rejilla de protección antipájaros.
• Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento, diseñadas para trabajar sin voluta o scroll. Con sistema autolimpiante, equilibradas estáticamente. Construidas en acero galvanizado tratado anticorrosivo.
• Motor de jaula de ardilla asíncrono estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos de una velocidad hasta 4kW y 400/690V 50Hz parapotencias superiores y 400V 50Hz para motores 2 velocidades.

### APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:
• Extracción de humos.
• Renovación de aire en todo tipo de edificios e industrias.
• Temperatura máxima de trabajo en continuo: aire transportado 80ºC, ambiente 60ºC a -25ºC en motores trifásicos.

### BAJO DEMANDA

• Voltajes especiales.
• Ventilador apto para transportar aire de hasta 120ºC (KENTALROOF-A CONFORT).

## ACCESSORIES ACCESORIOS



**AC** pg.479
Conection flange
Brida conexión



**BAD** pg.484
Circular-circular anti-vibration flange
Brida antivibratoria circular-circular



**BTI** pg.476
Inclined roof support
Base tejadillo inclinable



**BTI+ACMP** pg.477
Suitable for install a CMP-HUT in a roof fan using a BTI.
Accesorio adecuado para instalar una CMP-HUT a un ventildor de tejado con BTI.



**BTI+ACMP+AMC** pg.478
Suitable for install both CMP-HUT and ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar a la vez CMP-HUT y ASIL a un ventildor de tejado con BTI.



**BTI+AMC** pg.477
Suitable for installa ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar una ASIL a un ventildor de tejado con BTI.



**CMP-HUT** pg.462
High temperature damper for horizontal/vertical position.
Compuerta de alta temperatura para posición horizontal/vertical.



**INT** pg.515
Safety switch.
Interruptor de corte.



**KV** pg.501
Vertical kit for roof fans
Kit vertical para ventiladores de tejado



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**SIL-C** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



**SIL-CN** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.

## KENTALROOF CONFORT

### SINGLE PHASE RANGE SERIE MONOFÁSICA

### 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471PAM | KENTALROOF CONFORT 315 M4 0,25kW | 1410 | 1,6 | 0,25 | 2.590 | 35,50 | **990,00** |
| 27935471PAM | KENTALROOF CONFORT 355 M4 0,25kW | 1410 | 1,6 | 0,25 | 3.610 | 41 | **1.055,00** |
| 27940480PAM | KENTALROOF CONFORT 400 M4 0,55kW | 1400 | 3,98 | 0,55 | 5.340 | 45 | **1.200,00** |

## THREE PHASE RANGE SERIE TRIFÁSICA
## 2 POLE 2 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27931290PA | KENTALROOF CONFORT 315 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.260 | 59 | 36 | **1.224,90** |

## 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27931471PA | KENTALROOF CONFORT 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.590 | 43 | 35,50 | **1.073,40** |
| 27935471PA | KENTALROOF CONFORT 355 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 3.610 | 45 | 41 | **1.131,60** |
| 27940480PA | KENTALROOF CONFORT 400 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.340 | 48 | 45 | **1.247,60** |
| 27945490PA | KENTALROOF CONFORT 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 7.870 | 52 | 85 | **1.490,70** |
| 27950491PA | KENTALROOF CONFORT 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 10.430 | 55 | 96 | **1.937,10** |
| 279564100PA | KENTALROOF CONFORT 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 15.040 | 55 | 104 | **2.236,50** |
| 279634132PA | KENTALROOF CONFORT 630 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 22.550 | 60 | 140 | **2.857,10** |

## 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27950680PA | KENTALROOF CONFORT 500 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.850 | 46 | 95 | **1.936,20** |
| 27956690PA | KENTALROOF CONFORT 560 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 10.020 | 46 | 103 | **2.201,60** |
| 279634100PA | KENTALROOF CONFORT 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 14.820 | 51 | 130 | **2.475,00** |

## THREE PHASE RANGE 2 SPEEDS SERIE TRIFÁSICA 2 VELOCIDADES
## T4/T8 POLE T4/T8 POLOS

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471PA2V | KENTALROOF CONFORT 315 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 2.590 | 35,50 | **1.105,00** |
| 27935471PA2V | KENTALROOF CONFORT 355 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 3.610 | 41 | **1.165,00** |
| 27940480PA2V | KENTALROOF CONFORT 400 T4/T8 0,75/0,12kW | 1400 | 2,03/0,68 | 0,75 | 5.340 | 45 | **1.405,00** |
| 27945490PA2V | KENTALROOF CONFORT 450 T4/T8 1,1/0,18kW | 1400 | 2,67/1,08 | 1,10 | 7.870 | 85 | **1.605,00** |
| 27950491PA2V | KENTALROOF CONFORT 500 T4/T8 1,5/0,25kW | 1400 | 3,46/1,27 | 1,50 | 10.430 | 96 | **2.070,00** |
| 279564100PA2V | KENTALROOF CONFORT 560 T4/T8 3/0,55kW | 1430 | 6,53/2,33 | 3,00 | 15.040 | 104 | **2.425,00** |
| 279634132PA2V | KENTALROOF CONFORT 630 T4/T8 5,5/1,1kW | 1450 | 10,73/3,82 | 5,50 | 22.550 | 140 | **3.305,00** |

## KENTALROOF-A CONFORT

## SINGLE PHASE RANGE SERIE MONOFÁSICA
## 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471ALM | KENTALROOF-A CONFORT 315 M4 0,25kW | 1410 | 1,6 | 0,25 | 2.590 | 35,50 | **1.025,00** |
| 27935471ALM | KENTALROOF-A CONFORT 355 M4 0,25kW | 1410 | 1,6 | 0,25 | 3.610 | 41 | **1.085,00** |
| 27940480ALM | KENTALROOF-A CONFORT 400 M4 0,55kW | 1400 | 3,98 | 0,55 | 5.340 | 45 | **1.230,00** |

## THREE PHASE RANGE SERIE TRIFÁSICA
## 2 POLE 2 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27931290AL | KENTALROOF-A CONFORT 315 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.260 | 59 | 36 | **1.262,30** |

## 4 POLE 4 POLOS

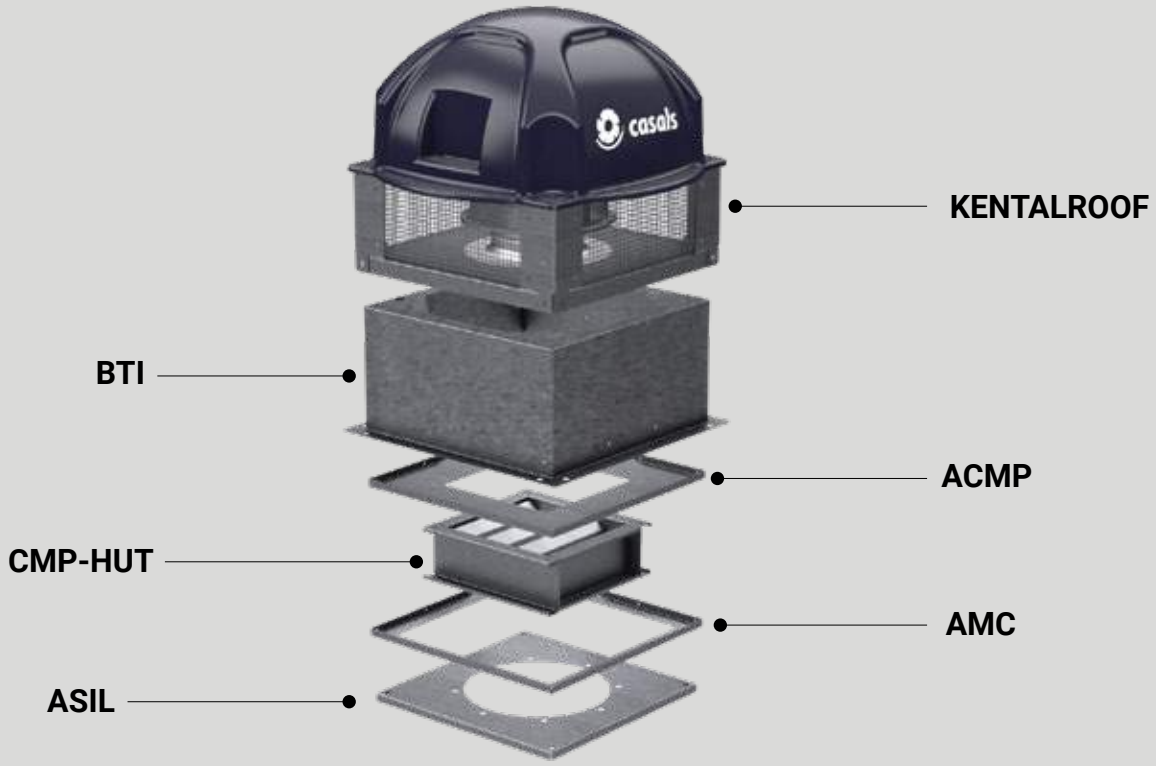
| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27931471AL | KENTALROOF-A CONFORT 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.590 | 43 | 35,50 | **1.110,40** |
| 27935471AL | KENTALROOF-A CONFORT 355 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 3.610 | 45 | 41 | **1.163,40** |
| 27940480AL | KENTALROOF-A CONFORT 400 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.340 | 48 | 45 | **1.279,60** |
| 27945490AL | KENTALROOF-A CONFORT 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 7.870 | 52 | 85 | **1.594,30** |
| 27950491AL | KENTALROOF-A CONFORT 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 10.430 | 55 | 96 | **2.053,50** |
| 279564100AL | KENTALROOF-A CONFORT 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 15.040 | 55 | 104 | **2.354,20** |
| 279634132AL | KENTALROOF-A CONFORT 630 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 22.550 | 60 | 140 | **2.965,20** |

## 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27950680AL | KENTALROOF-A CONFORT 500 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.850 | 46 | 95 | **2.057,80** |
| 27956690AL | KENTALROOF-A CONFORT 560 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 10.020 | 46 | 103 | **2.319,10** |
| 279634100AL | KENTALROOF-A CONFORT 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 14.820 | 51 | 130 | **2.582,20** |

## THREE PHASE RANGE 2 SPEEDS SERIE TRIFÁSICA 2 VELOCIDADES
## T4/T8 POLE T4/T8 POLOS

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471AL2V | KENTALROOF-A CONFORT 315 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 2.590 | 35,50 | **1.145,00** |
| 27935471AL2V | KENTALROOF-A CONFORT 355 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 3.610 | 41 | **1.195,00** |
| 27940480AL2V | KENTALROOF-A CONFORT 400 T4/T8 0,75/0,12kW | 1400 | 2,03/0,68 | 0,75 | 5.340 | 45 | **1.440,00** |
| 27945490AL2V | KENTALROOF-A CONFORT 450 T4/T8 1,1/0,18kW | 1400 | 2,67/1,08 | 1,10 | 7.870 | 85 | **1.715,00** |
| 27950491AL2V | KENTALROOF-A CONFORT 500 T4/T8 1,5/0,25kW | 1400 | 3,46/1,27 | 1,50 | 10.430 | 96 | **2.195,00** |
| 279564100AL2V | KENTALROOF-A CONFORT 560 T4/T8 3/0,55kW | 1430 | 6,53/2,33 | 3,00 | 15.040 | 104 | **2.550,00** |
| 279634132AL2V | KENTALROOF-A CONFORT 630 T4/T8 5,5/1,1kW | 1450 | 10,73/3,82 | 5,50 | 22.550 | 140 | **3.430,00** |



# MBPV



ErP 60 +info Hz

## ROOF FAN WITH BACKWARD IMPELLER AND PLASTIC CONSTRUCTION

### MANUFACTURING FEATURES
- PE moulded housing (until size 45) and PP welded housing (for upper models).
- Backward impeller with self-cleaning system in PP welded plastic.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz for motors until 4kW and 400/690V 50Hz for higher motors

### APPLICATIONS
Designed for roof installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: If it is clean air 70ºC, other depends on the gas (see table in documentation)

### UNDER REQUEST
- Single phase motors (up to 1,1Kw).
- 60Hz fans and special voltages fans.
- 2 speed motors.

## VENTILADOR PLÁSTICO CON TURBINA REACCIÓN PARA TEJADO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa inyectada de PE (hasta el tamaño 45) y carcasa soldada de PP (para modelos superiores).
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción) en PP.
- Tornillería en acero inoxidable
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES
Diseñados indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación)

### BAJO DEMANDA
- Motores monofásicos (hasta 1,1kW).
- Ventiladores para trabajar a voltajes especiales.
- Motores 2 velocidades.

## ACCESSORIES ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**INT** pg.515
Safety switch.
Interruptor de corte.



**BA-400** pg.484
Flexible flange 400ºC/2h.
Brida antivibratoria 400ºC/2h.

## THREE PHASE RANGE SERIE TRIFÁSICA

### 2 POLE 2 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510602013 | MBPV 20 T2 0,18kW | 2800 | 0,87 | 0,51 | 0,18 | 1.050 | 64 | 10 | **1.764,40** |
| 510602515 | MBPV 25 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.750 | 74 | 13 | **2.217,80** |
| 510603119 | MBPV 31 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 4.050 | 80 | 33 | **3.137,80** |
| 510603527 | MBPV 35 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 5.900 | 83 | 35 | **3.324,40** |

### 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510602039 | MBPV 20 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 575 | 49 | 10 | **1.720,00** |
| 510602539 | MBPV 25 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.025 | 58 | 13 | **2.137,80** |
| 510603141 | MBPV 31 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.000 | 64 | 26 | **2.457,80** |
| 510603542 | MBPV 35 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.250 | 67 | 26 | **2.733,30** |
| 510604545 | MBPV 45 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 6.000 | 71 | 48 | **4.297,80** |
| 510605054 | MBPV 50 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 9.000 | 74 | 90 | **13.626,70** |
| 510605659 | MBPV 56 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 12.900 | 74 | 150 | **14.466,70** |
| 510606361 | MBPV 63 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 17.600 | 76 | 150 | **15.808,90** |
| 510607149 | MBPV 71 T4 11kW | 1455 | - | 21,2 | 11,00 | 22.500 | 74 | 180 | **22.555,60** |



CV.28.02.25

## 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510603568 | MBPV 35 T6 0,18kW | 900 | 1,26 | 0,72 | 0,18 | 2.000 | 57 | 26 | **2.680,00** |
| 510604570 | MBPV 45 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.750 | 61 | 40 | **4.013,30** |
| 510605071 | MBPV 50 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 5.900 | 64 | 82 | **13.111,10** |
| 510605673 | MBPV 56 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 8.250 | 68 | 150 | **13.866,70** |
| 510606378 | MBPV 63 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 11.500 | 66 | 180 | **15.177,80** |
| 510607183 | MBPV 71 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 15.000 | 64 | 150 | **21.013,30** |
| 510608087 | MBPV 80 T6 7,5kW | 965 | - | 15,2 | 7,50 | 25.000 | 67 | 220 | **24.253,30** |

## ACCESSORIES FOR MBPV | ACCESORIOS PARA MBPV



### FJ

Flexible joint
Junta flexible

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| FJ-160 | FJ Ø160 | MBPV 20 | **59,50** |
| FJ-200 | FJ Ø200 | MBPV 25 | **69,60** |
| FJ-280 | FJ Ø280 | MBPV 31, MBPV 35 | **89,30** |
| FJ-355 | FJ Ø355 | MBPV 45 | **114,20** |
| FJ-400 | FJ Ø400 | MBPV 50 | **124,00** |
| FJ-450 | FJ Ø450 | MBPV 56 | **140,00** |
| FJ-500 | FJ Ø500 | MBPV 63 | **155,00** |
| FJ-600 | FJ Ø600 | MBPV 71 | **200,00** |
| FJ-700 | FJ Ø700 | MBPV 80 | **210,00** |



### AD

Adjustable damper
Compuerta ajustable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AD-160 | AD Ø160 | MBPV 20 | **233,00** |
| AD-200 | AD Ø200 | MBPV 25 | **262,90** |
| AD-280 | AD Ø280 | MBPV 31, MBPV 35 | **302,40** |
| AD-355 | AD Ø355 | MBPV 45 | **361,90** |
| AD-400 | AD Ø400 | MBPV 50 | **395,00** |
| AD-450 | AD Ø450 | MBPV 56 | **2.070,00** |
| AD-500 | AD Ø500 | MBPV 63 | **2.490,00** |
| AD-600 | AD Ø600 | MBPV 71 | **3.300,00** |
| AD-700 | AD Ø700 | MBPV 80 | **3.860,00** |



### CSC

Gravity shutter
Compuerta sobrepresión circular

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CSC160 | CSC Ø160 | MBPV 20 | **247,90** |
| CSC200 | CSC Ø200 | MBPV 25 | **307,40** |
| CSC280 | CSC Ø280 | MBPV 31, MBPV 35 | **426,40** |
| CSC355 | CSC Ø355 | MBPV 45 | **500,70** |
| CSC400 | CSC Ø400 | MBPV 50 | **530,70** |
| CSC450 | CSC Ø450 | MBPV 56 | **890,00** |
| CSC500 | CSC Ø500 | MBPV 63 | **975,00** |
| CSC600 | CSC Ø600 | MBPV 71 | **1.350,00** |
| CSC700 | CSC Ø700 | MBPV 80 | **1.605,00** |



### RPI

Stainless protection grid
Rejilla de protección inoxidable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| RPI160 | RPI Ø160 | MBPV 20 | **57,90** |
| RPI200 | RPI Ø200 | MBPV 25 | **62,70** |
| RPI280 | RPI Ø280 | MBPV 31, MBPV 35 | **86,90** |
| RPI355 | RPI Ø355 | MBPV 45 | **115,90** |

# CTH4




ErP 60 +info Hz

## ROOF FAN, VERTICAL DISCHARGE

### MANUFACTURING FEATURES
- Fan made of steel with polyester powder finishing coat.
- High efficiency backward impeller with self-cleaning system of steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz three phase motors.

### APPLICATIONS
Specially designed for roof installation, with vertical discharge without any addicional kit, they are suitable for:
- Smoke extraction
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous operation temperature: 110ºC (fluide).
- Maximum ambient temperature: 60ºC.
- Cinemas.

### UNDER REQUEST
- Version made of inox 304/316.
- Finishing C4-C5.
- Special voltages.

## VENTILADOR DE TEJADO CON DESCARGA VERTICAL

### CARACTERÍSTICAS CONSTRUCTIVAS
- Ventilador fabricado en acero protegido contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes standard 230/400 50Hz motores trifásicos.

### APLICACIONES
Diseñados para montaje en cubierta o tejado, con descarga vertical sin necesidad de ningún kit adicional, son indicados para:
- Extracción de humos.
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 110ºC (fluido).
- Temperatura máxima ambiente: 60ºC.
- Palomeras y cines.

### BAJO DEMANDA
- Versión en inox 304/316.
- Acabado C4-C5.
- Ventilador para tensiones especiales.

## ACCESSORIES ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**INT** pg.515
Safety switch.
Interruptor de corte.



**BTI** pg.476
Inclined roof support.
Base tejadillo inclinable.

## THREE PHASE RANGE SERIE TRIFÁSICA
## 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 278310106 | CTH4 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.190 | 43 | 16 | **1.288,50** |
| 278350106 | CTH4 355 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 3.590 | 48 | 20 | **1.314,30** |
| 278400106 | CTH4 400 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 5.130 | 51 | 22 | **1.436,80** |
| 278450106 | CTH4 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 7.300 | 54 | 40 | **1.716,20** |
| 278500106 | CTH4 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 10.010 | 57 | 53 | **2.388,60** |
| 278560106 | CTH4 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 14.060 | 61 | 58 | **2.733,70** |

## 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 278410106 | CTH4 400 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.320 | 41 | 22 | **1.444,00** |
| 278460106 | CTH4 450 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 4.730 | 45 | 40 | **1.718,70** |
| 278510106 | CTH4 500 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 6.490 | 48 | 53 | **2.439,80** |
| 278570106 | CTH4 560 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 9.110 | 51 | 58 | **2.692,70** |
| 278630106 | CTH4 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 13.230 | 55 | 74 | **3.020,60** |
| 278710106 | CTH4 710 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 18.940 | 59 | 106 | **3.609,00** |
| 278800106 | CTH4 800 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 27.090 | 62 | 113 | **4.340,30** |



CV.28.02.25

# FOCCETA



ErP Exempt

50 & 60 Hz

## CENTRIFUGAL ROOF FAN, SPECIAL FOR BARBECUES AND FIREPLACES

### MANUFACTURING FEATURES

- Steel motor cover with hammered texture. Polyester powder coated in black colour.
- Backward curved impeller with self-cleaning aluminium blades, dynamically balanced (UNI ISO 1940, Point 1 – Class 6.3).
- Protection grid with anti-bird rings (in accordance with UNI ISO 13857 standard), made of electrically welded steel and black epoxy finishing coat.
- Base made of embossed steel, covered with epoxy to guarantee great resistance to long-term atmospheric agents.
- Aerodynamic shape for optimum performance, in one piece to optimize the air flow.
- Sub-frame for fixing the unit to the chimney.
- Equipped with steel safety wire for anchoring the appliance once installed.
- Class I and IP X4 asynchronous motor, with standard voltage 230V 50/60Hz, with thermal protector and ball bearings.

### APPLICATIONS

- Specially designed for smoke extraction use at a continuous operating temperature up to 200 °C in fireplaces and barbecues.

## CENTRÍFUGO DE TEJADO, ESPECIAL PARA BARBACOAS Y HOGARES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Cubierta del motor de acero gofrado con recubrimiento de polvo de poliéster de color negro.
- Turbina de álabes curvados hacia atrás (a reacción) autolimpiantes fabricados en aluminio, equilibrada dinámicamente (UNI ISO 1940, punto 1 - Clase6.3).
- Rejilla de protección antipájaros con anillos (según UNI ISO 13857 estándar) fabricada en acero soldado y acabado en pintura epoxy de color negro.
- Base fabricada en acero gofrado, recubierta de epoxy que garantiza gran resistencia a los agentes atmosféricos a largo plazo.
- Forma aerodinámica para un óptimo rendimiento, de una sola pieza para optimizar el flujo del aire.
- Subchasis para fijar el aparato a la chimenea.
- Equipado con cable de seguridad de acero para anclar el dispositivo una vez instalado.
- Motor asíncrono clase I e IP X4, con voltaje estándar 230V 50/60Hz, con protector térmico y rodamientos de bolas.

### APLICACIONES

- Especialmente diseñado para extracción de humo de hasta 200ºC de chimeneas y barbacoas.

## ACCESSORIES ACCESORIOS



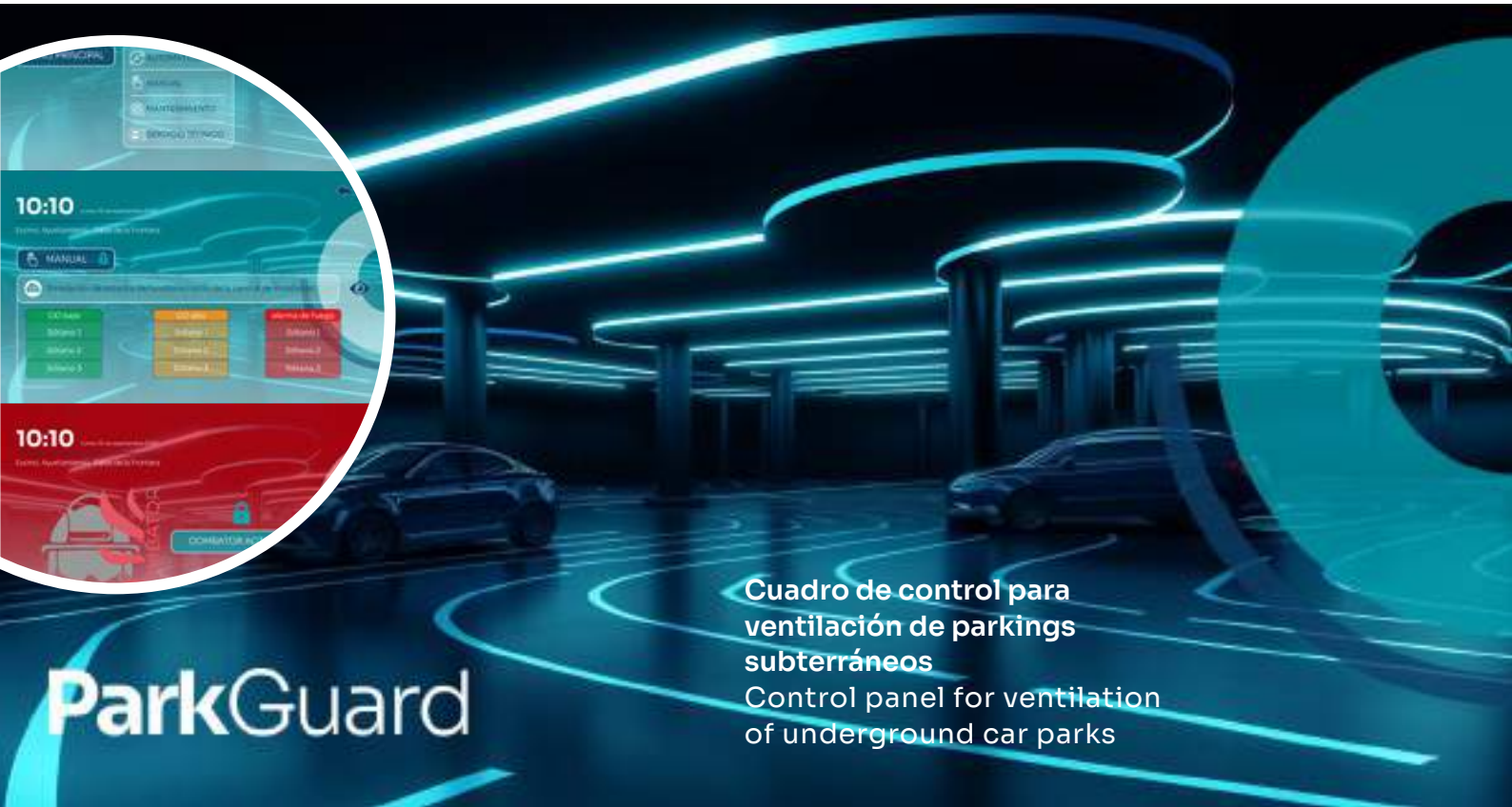
**INT** pg.515
Safety switch.
Interruptor de corte.



**REG** pg.511
Single phase manual speed controller.
Regulador de velocidad manual monofásico.

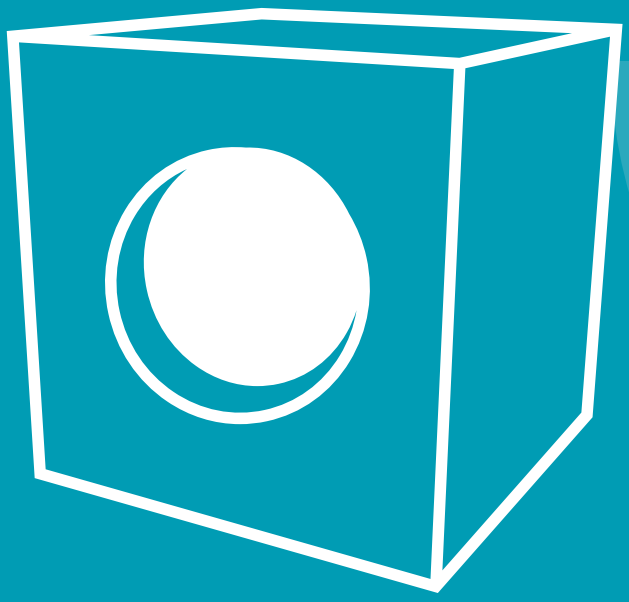
## SINGLE PHASE RANGE SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 510117039 | FOCCETA | 1400 | 0,5 | 0,12 | 750 | 52 | 18 | **803,40** |



# º Cabinet fans

# º Cajas de ventilación



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
|  SB-3 EEC |  SBC-3 EEC |  SB-3 PLUS EEC |  SBC-3 PLUS EEC |  SB-3 FILTER EEC |  SBC-3 FILTER EEC |  SB-3 PLUS FILTER EEC |  SBC-3 PLUS FILTER EEC |  BOX HB |
|  BOX HBA |  BOX RL |  KENTALBOX PLUS |  ENKELBOX EEC |  ENKELBOX FILTER EEC |  ENKELBOX PLUS EEC |  BOX BD |  BOX BD 3V |  BOX BD PLUS |
|  BOX BD FILTER |  BOX BD FILTER 3V |  BOX BD EEC |  BOX BD PLUS EEC |  BOX BV |  BOX BV PLUS |  BOX BV FILTER |  TWIN BOX BD |  TWIN BOX BD PLUS |
|  TWIN BOX BD EEC |  TWIN BOX BD PLUS EEC |  TWIN BOX BV | | | | | | |

# SB | SBC-3 EEC



SB-3 EEC



SBC-3 EEC

50 & 60 Hz | ErP | EEC PM motors

## CENTRIFUGAL FAN IN LOW PROFILE BOX, WITH EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

• Inline ventilation box made of galvanized steel with rectangular (SB-3 EEC) and circular (SBC-3 EEC) connection flanges.
• Self-cleaning impeller with back curved (backward) blades of high performance (IE4 for three phase motors and IE5 for single motors) and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 3015 and 4020 (SB-3 EEC) and for models 125, 150 and 160 (SBC-3 EEC) and aluminum plate for the rest.
• High-efficiency, low-noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/ 60Hz power supply for models with circular inlet (SBC-3 EEC) from Ø125 to Ø355, and for models with rectangular inlet (SB-3 EEC) from 3015 to 6040. Three-phase power supply 400V 50/60Hz for circular inlet models from Ø400 to Ø560, and for models with rectangular inlet from 7050 to 8060mm. IP44 motor and class B insulation.

### APPLICATIONS

Designed for duct installation, they are indicated for:
- Air renovations in bathrooms and small rooms.
- Perfect for false ceiling installation.
• Working temperature range from -20ºC to 60ºC.

## CENTRÍFUGO EN CAJA DE BAJO PERFIL, MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

• Caja de ventilación inline construida en acero galvanizado con bridas de conexión rectangulares (SB-3 EEC) o circulares (SBC-3 EEC).
• Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento (IE4 para motores trifásicos e IE5 para monofásicos) y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para los modelos 3015 y 4020 (SB-3 EEC) y para los modelos 125, 150 y 160 (SBC-3 EEC) y chapa de aluminio para el resto.
• Motor EC de rotor exterior de alta eficiencia y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos con boca circular (SBC-3 EEC) de Ø125 a Ø355, y para modelos con boca rectangular (SB-3 EEC) de 3015 hasta 6040. Alimentación trifásica 400V 50/60Hz para tamaños de boca circular Ø400 a Ø560, y para modelos con boca rectangular de 7050 a 8060mm. Motor IP44 y aislamiento clase B.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
- Renovaciones de aire en baños y locales pequeños.
- Perfectos para montaje en falso techo.
• Rango de temperatura de trabajo de -20ºC a 60ºC.

## ACCESSORIES ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**CPCC+FILTERS** pg.468
Filter-support casing for circular duct (SBC).
Cajón de portafiltros para conducto circular (SBC).



**TEJ SB-3 EEC** pg.497
Weather protective roof for SB-3 EEC & SBC-3 EEC & VARIANTS.
Tejadillo intemperie para SB-3 EEC & SBC-3 EEC y VARIANTES.



**VIS** pg.496
Outdoor flange with bird guard (SB-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros (SB-3 EEC y VARIANTES)



**VISC** pg.497
Circular outdoor flange with bird guard (SBC-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros para boca circular (SBC-3 EEC y VARIANTES).



**PMR** pg.516
Speed controller with safety switch for EEC engine.
Regulador velocidad con interruptor de seguridad para motor EEC.



**OP SB-3** pg.464
Overpressure damper for SB-3 EEC & VARIANTS.
Compuerta de sobrepresion para SB-3 EEC y VARIANTES.



**BDC** pg.465
Galvanized sheet-metal back-draught shuter to install in the discharge of the fans (SBC-3 EEC & VARIANTS).
Compuerta antirretorno en acero galvanizado para instalar en la descarga de los ventiladores (SBC-3 EEC y VARIANTES ).



**BID** pg.488
Rectangular-rectangular anti-vibration flange (SB-3 EEC & VARIANTS).
Brida antivibratoria rectangular-rectangular (SB-3 EEC y VARIANTES).

## SB-3 EEC
## SINGLE PHASE RANGE SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240150242 | SB-3 3015 EEC | 3950 | 0,25 | 0,06 | 445 | 47 | 5 | **493,80** |
| 240190242 | SB-3 4020 EEC | 3570 | 0,6 | 0,09 | 715 | 50 | 7,5 | **540,70** |
| 240250242 | SB-3 5035 EEC | 2500 | 1 | 0,15 | 1.610 | 52 | 13 | **663,50** |
| 240310242 | SB-3 6040 EEC | 2350 | 1,7 | 0,36 | 3.075 | 56 | 20,5 | **965,70** |

## THREE PHASE RANGE SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240350242 | SB-3 7050 EEC | 2100 | 1,63 | 0,99 | 4.925 | 56 | 34 | **1.508,00** |
| 240450242 | SB-3 8060 EEC | 1450 | 1,67 | 1,01 | 6.785 | 49 | 42 | **1.698,60** |

## SBC-3 EEC

### SINGLE PHASE RANGE SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBC3125EC | SBC-3 125 EEC | 3950 | 0,25 | 0,06 | 340 | 47 | 6 | **498,80** |
| SBC3150EC | SBC-3 150 EEC | 3570 | 0,6 | 0,09 | 550 | 49 | 9,5 | **546,20** |
| SBC3160EC | SBC-3 160 EEC | 3570 | 0,6 | 0,09 | 605 | 50 | 9,5 | **551,70** |
| SBC3200EC | SBC-3 200 EEC | 2500 | 1 | 0,15 | 1.120 | 50 | 16 | **670,10** |
| SBC3250EC | SBC-3 250 EEC | 2500 | 1 | 0,15 | 1.410 | 51 | 16 | **676,80** |
| SBC3315EC | SBC-3 315 EEC | 2500 | 1 | 0,15 | 1.600 | 52 | 16 | **683,50** |
| SBC3355EC | SBC-3 355 EEC | 2350 | 1,7 | 0,36 | 2.820 | 56 | 25,5 | **975,40** |

### THREE PHASE RANGE SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBC3400EC | SBC-3 400 EEC | 2100 | 1,63 | 0,99 | 4.150 | 55 | 44 | **1.523,10** |
| SBC3450EC | SBC-3 450 EEC | 2100 | 1,63 | 0,99 | 4.500 | 56 | 44 | **1.538,20** |
| SBC3500EC | SBC-3 500 EEC | 1450 | 1,67 | 1,01 | 5.840 | 48 | 60 | **1.715,60** |
| SBC3560EC | SBC-3 560 EEC | 1450 | 1,67 | 1,01 | 6.210 | 49 | 60 | **1.732,80** |

# SB | SBC-3 PLUS EEC



SB-3 PLUS EEC



SBC-3 PLUS EEC

50 & 60 Hz | ErP | EEC PM motors

## CENTRIFUGAL FAN IN SOUNDPROOF LOW PROFILE BOX, EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

• Inline ventilation box made of galvanized steel with rectangular (SB-3 PLUS EEC) or circular (SBC-3 PLUS EEC) connection flanges. 40mm thick rock wool insulation.
• Self-cleaning impeller with back curved (backward) blades of high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibrations. Polyamide reinforced impeller for models 3015 and 4020 (SB-3 PLUS EEC) and for models 125, 150 and 160 (SBC-3 PLUS EEC) and aluminum plate for the rest.
• High-efficiency, (IE4 for three phase motors and IE5 for single motors) low-noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply for models with circular inlet (SBC-3 PLUS EEC) from Ø125 to Ø355, and for models with rectangular inlet (SB-3 PLUS EEC) from 3015 to 6040. Three-phase power supply 400V 50/60Hz for circular inlet models from Ø400 to Ø560, and for models with rectangular inlet from 7050 to 8060mm. IP44 motor and class B insulation.

### APPLICATIONS

Designed for duct installation, they are indicated for:
- Air renovations in bathrooms and small rooms.
- Perfect for false ceiling installation.
• Working temperature range from -20ºC to 60ºC.

## CENTRÍFUGO EN CAJA AISLADA DE BAJO PERFIL, MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

• Caja de ventilación inline construida en acero galvanizado con bridas de conexión rectangulares (SB-3 PLUS EEC) o circulares (SBC-3 PLUS EEC). Aislamiento de lana de roca de 40mm de espesor.
• Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones.Turbina de poliamida reforzada para los modelos 3015 y 4020 (SB-3 PLUS EEC) y para los modelos 125, 150 y 160 (SBC-3 PLUS EEC) y chapa de aluminio para el resto.
• Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos con boca circular (SBC-3 PLUS EEC) de Ø125 a Ø355, y para modelos con boca rectangular (SB-3 PLUS EEC) de 3015 hasta 6040. Alimentación trifásica 400V 50/60Hz para tamaños de boca circular Ø400 a Ø560, y para modelos con boca rectangular de 7050 a 8060mm. Motor IP44 y aislamiento clase B.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
- Renovaciones de aire en baños y locales pequeños.
- Perfectos para montaje en falso techo.
• Rango de temperatura de trabajo de -20ºC a 60ºC.

## ACCESSORIES ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**CPCC+FILTERS** pg.468
Filter-support casing for circular duct (SBC).
Cajón de portafiltros para conducto circular (SBC).



**TEJ SB-3 EEC** pg.497
Weather protective roof for SB-3 EEC & SBC-3 EEC & VARIANTS.
Tejadillo intemperie para SB-3 EEC & SBC-3 EEC y VARIANTES.



**VIS** pg.496
Outdoor flange with bird guard (SB-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros (SB-3 EEC y VARIANTES)



**VISC** pg.497
Circular outdoor flange with bird guard (SBC-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros para boca circular (SBC-3 EEC y VARIANTES).



**PMR** pg.516
Speed controller with safety switch for EEC engine.
Regulador velocidad con interruptor de seguridad para motor EEC.



**OP SB-3** pg.464
Overpressure damper for SB-3 EEC & VARIANTS.
Compuerta de sobrepresion para SB-3 EEC y VARIANTES.



**BDC** pg.465
Galvanized sheet-metal back-draught shuter to install in the discharge of the fans (SBC-3 EEC & VARIANTS).
Compuerta antirretorno en acero galvanizado para instalar en la descarga de los ventiladores (SBC-3 EEC y VARIANTES ).



**BID** pg.488
Rectangular-rectangular anti-vibration flange (SB-3 EEC & VARIANTS).
Brida antivibratoria rectangular-rectangular (SB-3 EEC y VARIANTES).

## SB-3 PLUS EEC
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240150444 | SB-3 PLUS 3015 EEC | 3950 | 0,25 | 0,06 | 445 | 43 | 8 | **607,90** |
| 240190444 | SB-3 PLUS 4020 EEC | 3570 | 0,6 | 0,09 | 715 | 46 | 11,5 | **683,80** |
| 240250444 | SB-3 PLUS 5035 EEC | 2500 | 1 | 0,15 | 1.610 | 48 | 17 | **895,60** |
| 240310444 | SB-3 PLUS 6040 EEC | 2350 | 1,7 | 0,36 | 3.075 | 52 | 25,5 | **1.253,60** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240350444 | SB-3 PLUS 7050 EEC | 2100 | 1,63 | 0,99 | 4.925 | 52 | 42 | **1.874,10** |
| 240450444 | SB-3 PLUS 8060 EEC | 1450 | 1,67 | 1,01 | 6.785 | 45 | 54 | **2.187,50** |

## SBC-3 PLUS EEC

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBCP3125EC | SBC-3 PLUS 125 EEC | 3950 | 0,25 | 0,06 | 340 | 43 | 9 | **614,10** |
| SBCP3150EC | SBC-3 PLUS 150 EEC | 3570 | 0,6 | 0,09 | 550 | 45 | 13,5 | **690,60** |
| SBCP3160EC | SBC-3 PLUS 160 EEC | 3570 | 0,6 | 0,09 | 605 | 46 | 13,5 | **697,50** |
| SBCP3200EC | SBC-3 PLUS 200 EEC | 2500 | 1 | 0,15 | 1.120 | 46 | 20 | **904,50** |
| SBCP3250EC | SBC-3 PLUS 250 EEC | 2500 | 1 | 0,15 | 1.410 | 47 | 20 | **913,40** |
| SBCP3315EC | SBC-3 PLUS 315 EEC | 2500 | 1 | 0,15 | 1.600 | 48 | 20 | **922,70** |
| SBCP3355EC | SBC-3 PLUS 355 EEC | 2350 | 1,7 | 0,36 | 2.820 | 52 | 30,5 | **1.266,00** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBCP3400EC | SBC-3 PLUS 400 EEC | 2100 | 1,63 | 0,99 | 4.150 | 51 | 52 | **1.893,00** |
| SBCP3450EC | SBC-3 PLUS 450 EEC | 2100 | 1,63 | 0,99 | 4.500 | 52 | 52 | **1.912,00** |
| SBCP3500EC | SBC-3 PLUS 500 EEC | 1450 | 1,67 | 1,01 | 5.840 | 44 | 72 | **2.209,20** |
| SBCP3560EC | SBC-3 PLUS 560 EEC | 1450 | 1,67 | 1,01 | 6.062 | 45 | 72 | **2.231,50** |

# SB | SBC-3 FILTER EEC



SB-3 FILTER EEC



SBC-3 FILTER EEC

50 & 60 Hz | ErP | EEC PM motors

## CENTRIFUGAL FAN IN LOW PROFILE FILTER BOX, WITH EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

- Inline ventilation box made of galvanized steel with rectangular (SB-3 FILTER EEC) and circular (SBC-3 FILTER EEC) connection flanges.
- Self-cleaning impeller with back curved (reaction) blades of high performance and single inlet, direct drivne. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 3015 and 4020 (SB-3 FILTER EEC) and for models 125, 150 and 160 (SBC-3 FILTER EEC) and aluminum plate for the rest.
- High-efficiency (IE4 for three phase motors and IE5 for single motors), low-noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/ 60Hz power supply for models with circular inlet (SBC-3 FILTER EEC) from Ø125 to Ø355, and for models with rectangular inlet (SB-3 FILTER EEC) from 3015 to 6040. Three-phase power supply 400V 50/60Hz for circular inlet models from Ø400 to Ø560, and for models with rectangular inlet from 7050 to 8060mm. IP44 motor and class B insulation.
- Supplied with a filtration stage ISO COARSE≥60% (G4) or 2 stages ISO COARSE≥60% (G4) and ISO ePM1≥50% (F7).
- Easily accessible inspection and cleaning register.

### APPLICATIONS

Designed for installation in ducts, they are indicated for:
- Air renovations in bathrooms and small rooms.
- Perfect for false ceiling mounting.
- Working temperature range from -20ºC to 60ºC.

## CENTRÍFUGO EN CAJA FILTRANTE DE BAJO PERFIL, MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación inline construida en acero galvanizado con bridas de conexión rectangulares (SB-3 FILTER EEC) o circulares (SBC-3 FILTER EEC).
- Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para los modelos 3015 y 4020 (SB-3 FILTER EEC) y para los modelos 125, 150 y 160 (SBC-3 FILTER EEC) y chapa de aluminio para el resto.
- Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos con boca circular (SBC-3 FILTER EEC) de Ø125 a Ø355, y para modelos con boca rectangular (SB-3 FILTER EEC) de 3015 hasta 6040. Alimentación trifásica 400V 50/60Hz para tamaños de boca circular Ø400 a Ø560, y para modelos con boca rectangular de 7050 a 8060mm. Motor IP44 y aislamiento clase B.
- Suministrado con una etapa de filtración ISO COARSE≥60% (G4) o 2 etapas ISO COARSE≥60% (G4) y ISO ePM1≥50% (F7).
- Registro para inspección y limpieza de fácil acceso.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
- Renovaciones de aire en baños y locales pequeños.
- Perfectos para montaje en falso techo.
- Rango de temperatura de trabajo de -20ºC a 60ºC.

## ACCESSORIES ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**CPCC+FILTERS** pg.468
Filter-support casing for circular duct (SBC).
Cajón de portafiltros para conducto circular (SBC).



**TEJ SB-3 EEC** pg.497
Weather protective roof for SB-3 EEC & SBC-3 EEC & VARIANTS.
Tejadillo intemperie para SB-3 EEC & SBC-3 EEC y VARIANTES.



**VIS** pg.496
Outdoor flange with bird guard (SB-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros (SB-3 EEC y VARIANTES)



**VISC** pg.497
Circular outdoor flange with bird guard (SBC-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros para boca circular (SBC-3 EEC y VARIANTES).



**PMR** pg.516
Speed controller with safety switch for EEC engine.
Regulador velocidad con interruptor de seguridad para motor EEC.



**OP SB-3** pg.464
Overpressure damper for SB-3 EEC & VARIANTS.
Compuerta de sobrepresion para SB-3 EEC y VARIANTES.



**BDC** pg.465
Galvanized sheet-metal back-draught shuter to install in the discharge of the fans (SBC-3 EEC & VARIANTS).
Compuerta antirretorno en acero galvanizado para instalar en la descarga de los ventiladores (SBC-3 EEC y VARIANTES ).



**BID** pg.488
Rectangular-rectangular anti-vibration flange (SB-3 EEC & VARIANTS).
Brida antivibratoria rectangular-rectangular (SB-3 EEC y VARIANTES).



**CFGF** pg.50
Cell filter with galvanized frame.
Filtro de celdas con marco galvanizado.



**CHEF** pg.50
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.



**CFF** pg.50
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.

## SB-3 FILTER EEC - ISO COARSE≥60% (G4)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240150242G4 | SB-3 FILTER (ISO Coarse≥60%) 3015 EEC | 3950 | 0,25 | 0,06 | 435 | 47 | 6 | **512,90** |
| 240190242G4 | SB-3 FILTER (ISO Coarse≥60%) 4020 EEC | 3570 | 0,6 | 0,09 | 685 | 50 | 9,5 | **559,70** |
| 240250242G4 | SB-3 FILTER (ISO Coarse≥60%) 5035 EEC | 2500 | 1 | 0,15 | 1.500 | 52 | 16 | **688,80** |
| 240310242G4 | SB-3 FILTER (ISO Coarse≥60%) 6040 EEC | 2350 | 1,7 | 0,36 | 2.995 | 56 | 24,5 | **991,20** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240350242G4 | SB-3 FILTER (ISO Coarse≥60%) 7050 EEC | 2100 | 1,63 | 0,99 | 4.905 | 56 | 39 | **1.536,60** |
| 240450242G4 | SB-3 FILTER (ISO Coarse≥60%) 8060 EEC | 1450 | 1,67 | 1,01 | 6.735 | 49 | 48 | **1.730,90** |

## SB-3 FILTER EEC - ISO COARSE≥60% (G4) + EPM1≥50% (F7)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240150242G4F7 | SB-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 3015 EEC | 3950 | 0,25 | 0,06 | 435 | 47 | 8 | **562,40** |
| 240190242G4F7 | SB-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 4020 EEC | 3570 | 0,6 | 0,09 | 685 | 50 | 13,5 | **609,60** |
| 240250242G4F7 | SB-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 5035 EEC | 2500 | 1 | 0,15 | 1.270 | 52 | 22 | **779,60** |
| 240310242G4F7 | SB-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 6040 EEC | 2350 | 1,7 | 0,36 | 2.995 | 56 | 32,5 | **1.081,90** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240350242G4F7 | SB-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 7050 EEC | 2100 | 1,63 | 0,99 | 4.905 | 56 | 49 | **1.653,30** |
| 240450242G4F7 | SB-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 8060 EEC | 1450 | 1,67 | 1,01 | 6.735 | 49 | 60 | **1.865,00** |

## SBC-3 FILTER EEC - ISO COARSE≥60% (G4)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBC3125ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 125 EEC | 3950 | 0,25 | 0,06 | 300 | 47 | 7 | **518,00** |
| SBC3150ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 150 EEC | 3570 | 0,6 | 0,09 | 520 | 49 | 11,5 | **565,30** |
| SBC3160ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 160 EEC | 3570 | 0,6 | 0,09 | 560 | 50 | 11,5 | **571,10** |
| SBC3200ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 200 EEC | 2500 | 1 | 0,15 | 1.050 | 50 | 19 | **695,60** |
| SBC3250ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 250 EEC | 2500 | 1 | 0,15 | 1.310 | 51 | 19 | **702,60** |
| SBC3315ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 315 EEC | 2500 | 1 | 0,15 | 1.460 | 52 | 19 | **709,50** |
| SBC3355ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 355 EEC | 2350 | 1,7 | 0,36 | 2.430 | 56 | 29,5 | **1.001,00** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBC3400ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 400 EEC | 2100 | 1,63 | 0,99 | 3.730 | 55 | 49 | **1.552,00** |
| SBC3450ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 450 EEC | 2100 | 1,63 | 0,99 | 4.020 | 56 | 49 | **1.567,50** |
| SBC3500ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 500 EEC | 1450 | 1,67 | 1,01 | 5.220 | 48 | 66 | **1.748,40** |
| SBC3560ECG4 | SBC-3 FILTER (ISO Coarse≥60%) 560 EEC | 1450 | 1,67 | 1,01 | 5.330 | 49 | 66 | **1.765,80** |

## SBC-3 FILTER EEC - ISO COARSE≥60% (G4) + ePM1≥50% (F7)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBC3125ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 125 EEC | 3950 | 0,25 | 0,06 | 265 | 47 | 9 | **568,10** |
| SBC3150ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 150 EEC | 3570 | 0,6 | 0,09 | 470 | 49 | 15,5 | **615,50** |
| SBC3160ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 160 EEC | 3570 | 0,6 | 0,09 | 510 | 50 | 15,5 | **621,70** |
| SBC3200ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 200 EEC | 2500 | 1 | 0,15 | 960 | 50 | 25 | **787,40** |
| SBC3250ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 250 EEC | 2500 | 1 | 0,15 | 1.125 | 51 | 25 | **795,20** |
| SBC3315ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 315 EEC | 2500 | 1 | 0,15 | 1.235 | 52 | 25 | **803,30** |
| SBC3355ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 355 EEC | 2350 | 1,7 | 0,36 | 1.930 | 56 | 37,5 | **1.092,80** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBC3400ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 400 EEC | 2100 | 1,63 | 0,99 | 3.110 | 55 | 59 | **1.669,80** |
| SBC3450ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 450 EEC | 2100 | 1,63 | 0,99 | 3.360 | 56 | 59 | **1.686,50** |
| SBC3500ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 500 EEC | 1450 | 1,67 | 1,01 | 4.300 | 48 | 78 | **1.883,50** |
| SBC3560ECG4F7 | SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 560 EEC | 1450 | 1,67 | 1,01 | 4.420 | 49 | 78 | **1.902,50** |

# SB | SBC-3 PLUS FILTER EEC



**SB-3 PLUS FILTER EEC**



**SBC-3 PLUS FILTER EEC**

50 & 60 Hz | ErP | EEC PM motors

## CENTRIFUGAL FAN IN LOW PROFILE FILTER BOX, WITH INSULATION AND OUTER ROTOR EC MOTOR

### MANUFACTURING FEATURES

- Inline ventilation box made of galvanized steel with rectangular (SB-3 PLUS FILTER EEC) o circulares (SBC-3 PLUS FILTER EEC) connection flanges. 40mm thick rock wool insulation.
- Self-cleaning impeller with back curved (reaction) blades of high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 3015 and 4020 (SB-3 PLUS FILTER EEC) and for models 125, 150 and 160 (SBC-3 PLUS FILTER EEC) and aluminum plate for the rest.
- High-efficiency (IE4 for three phase motors and IE5 for single motors), low-noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/ 60Hz power supply for models with circular inlet (SBC-3 PLUS FILTER EEC) from Ø125 to Ø355, and for models with rectangular inlet (SB-3 PLUS FILTER EEC) from 3015 to 6040. Three-phase power supply 400V 50/60Hz for circular inlet models from Ø400 to Ø560, and for models with rectangular inlet from 7050 to 8060mm. IP44 motor and class B insulation.
- Supplied with a filtration stage ISO COARSE≥60% (G4) or 2 stages ISO COARSE≥60% (G4) and ISO ePM1≥50% (F7).
- Easily accessible inspection and cleaning register.

### APPLICATIONS

Designed for installation in ducts, they are indicated for:
- Air renovations in bathrooms and small rooms.
- Perfect for false ceiling mounting.
- Working temperature range from -20ºC to 60ºC.

## CENTRÍFUGO EN CAJA FILTRANTE DE BAJO PERFIL, CON AISLAMIENTO Y MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación inline construida en acero galvanizado con bridas de conexión rectangulares (SB-3 PLUS FILTER EEC) o circulares (SBC-3 PLUS FILTER EEC). Aislamiento de lana de roca de 40mm de espesor.
- Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para los modelos 3015 y 4020 (SB-3 PLUS FILTER EEC) y para los modelos 125, 150 y 160 (SBC-3 PLUS FILTER EEC) y chapa de aluminio para el resto.
- Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos con boca circular (SBC-3 PLUS FILTER EEC) de Ø125 a Ø355, y para modelos con boca rectangular (SB-3 PLUS FILTER EEC) de 3015 hasta 6040. Alimentación trifásica 400V 50/60Hz para tamaños de boca circular Ø400 a Ø560, y para modelos con boca rectangular de 7050 a 8060mm. Motor IP44 y aislamiento clase B.
- Suministrado con una etapa de filtración ISO COARSE≥60% (G4) o 2 etapas ISO COARSE≥60% (G4) y ISO ePM1≥50% (F7).
- Registro para inspección y limpieza de fácil acceso.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
- Renovaciones de aire en baños y locales pequeños.
- Perfectos para montaje en falso techo.
- Rango de temperatura de trabajo de -20ºC a 60ºC.

## ACCESSORIES ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**CPCC+FILTERS** pg.468
Filter-support casing for circular duct (SBC).
Cajón de portafiltros para conducto circular (SBC).



**TEJ SB-3 EEC** pg.497
Weather protective roof for SB-3 EEC & SBC-3 EEC & VARIANTS.
Tejadillo intemperie para SB-3 EEC & SBC-3 EEC y VARIANTES.



**VIS** pg.496
Outdoor flange with bird guard (SB-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros (SB-3 EEC y VARIANTES)



**VISC** pg.497
Circular outdoor flange with bird guard (SBC-3 EEC & VARIANTS).
Visera para intemperie con malla antipájaros para boca circular (SBC-3 EEC y VARIANTES).



**PMR** pg.516
Speed controller with safety switch for EEC engine.
Regulador velocidad con interruptor de seguridad para motor EEC.



**OP SB-3** pg.464
Overpressure damper for SB-3 EEC & VARIANTS.
Compuerta de sobrepresion para SB-3 EEC y VARIANTES.



**BDC** pg.465
Galvanized sheet-metal back-draught shuter to install in the discharge of the fans (SBC-3 EEC & VARIANTS).
Compuerta antirretorno en acero galvanizado para instalar en la descarga de los ventiladores (SBC-3 EEC y VARIANTES ).



**BID** pg.488
Rectangular-rectangular anti-vibration flange (SB-3 EEC & VARIANTS).
Brida antivibratoria rectangular-rectangular (SB-3 EEC y VARIANTES).



**CFGF** pg.50
Cell filter with galvanized frame.
Filtro de celdas con marco galvanizado.



**CHEF** pg.50
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.



**CFF** pg.50
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.

## SB-3 PLUS FILTER EEC - ISO COARSE≥60% (G4)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240150444G4 | SB-3 PLUS FILTER (ISO Coarse≥60%) 3015 EEC | 3950 | 0,25 | 0,06 | 435 | 43 | 9 | 627,10 |
| 240190444G4 | SB-3 PLUS FILTER (ISO Coarse≥60%) 4020 EEC | 3570 | 0,6 | 0,09 | 685 | 46 | 13,5 | 702,90 |
| 240250444G4 | SB-3 PLUS FILTER (ISO Coarse≥60%) 5035 EEC | 2500 | 1 | 0,15 | 1.500 | 48 | 20 | 920,90 |
| 240310444G4 | SB-3 PLUS FILTER (ISO Coarse≥60%) 6040 EEC | 2350 | 1,7 | 0,36 | 2.995 | 52 | 29,5 | 1.278,90 |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240350444G4 | SB-3 PLUS FILTER (ISO Coarse≥60%) 7050 EEC | 2100 | 1,63 | 0,99 | 4.905 | 52 | 47 | 1.902,80 |
| 240450444G4 | SB-3 PLUS FILTER (ISO Coarse≥60%) 8060 EEC | 1450 | 1,67 | 1,01 | 6.735 | 45 | 60 | 2.219,70 |

## SB-3 PLUS FILTER EEC - ISO COARSE≥60% (G4) + ePM1≥50% (F7)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240150444G4F7 | SB-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 3015 EEC | 3950 | 0,25 | 0,06 | 435 | 43 | 11 | 676,60 |
| 240190444G4F7 | SB-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 4020 EEC | 3570 | 0,6 | 0,09 | 685 | 46 | 17,5 | 752,40 |
| 240250444G4F7 | SB-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 5035 EEC | 2500 | 1 | 0,15 | 1.270 | 48 | 26 | 1.011,70 |
| 240310444G4F7 | SB-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 6040 EEC | 2350 | 1,7 | 0,36 | 2.995 | 52 | 37,5 | 1.369,70 |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 240350444G4F7 | SB-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 7050 EEC | 2100 | 1,63 | 0,99 | 4.905 | 52 | 57 | **2.019,50** |
| 240450444G4F7 | SB-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 8060 EEC | 1450 | 1,67 | 1,01 | 6.735 | 45 | 72 | **2.353,80** |

## SBC-3 PLUS FILTER EEC - ISO COARSE≥60% (G4)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBCP3125ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 125 EEC | 3950 | 0,25 | 0,06 | 300 | 43 | 10 | **633,20** |
| SBCP3150ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 150 EEC | 3570 | 0,6 | 0,09 | 520 | 45 | 15,5 | **709,70** |
| SBCP3160ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 160 EEC | 3570 | 0,6 | 0,09 | 560 | 46 | 15,5 | **717,00** |
| SBCP3200ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 200 EEC | 2500 | 1 | 0,15 | 1.050 | 46 | 23 | **930,10** |
| SBCP3250ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 250 EEC | 2500 | 1 | 0,15 | 1.310 | 47 | 23 | **939,50** |
| SBCP3315ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 315 EEC | 2500 | 1 | 0,15 | 1.460 | 48 | 23 | **948,80** |
| SBCP3355ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 355 EEC | 2350 | 1,7 | 0,36 | 2.430 | 52 | 34,5 | **1.291,60** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBCP3400ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 400 EEC | 2100 | 1,63 | 0,99 | 3.730 | 51 | 57 | **1.921,80** |
| SBCP3450ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 450 EEC | 2100 | 1,63 | 0,99 | 4.020 | 52 | 57 | **1.941,10** |
| SBCP3500ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 500 EEC | 1450 | 1,67 | 1,01 | 5.220 | 44 | 78 | **2.242,10** |
| SBCP3560ECG4 | SBC-3 PLUS FILTER (ISO Coarse≥60%) 560 EEC | 1450 | 1,67 | 1,01 | 5.330 | 45 | 78 | **2.264,40** |

## SBC-3 PLUS FILTER EEC - ISO COARSE≥60% (G4) + ePM1≥50% (F7)

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow.kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| SBCP3125ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 125 EEC | 3950 | 0,25 | 0,06 | 265 | 43 | 12 | **683,40** |
| SBCP3150ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 150 EEC | 3570 | 0,6 | 0,09 | 470 | 45 | 19,5 | **760,00** |
| SBCP3160ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 160 EEC | 3570 | 0,6 | 0,09 | 510 | 46 | 19,5 | **767,70** |
| SBCP3200ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 200 EEC | 2500 | 1 | 0,15 | 960 | 46 | 29 | **1.021,80** |
| SBCP3250ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 250 EEC | 2500 | 1 | 0,15 | 1.125 | 47 | 29 | **1.032,10** |
| SBCP3315ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 315 EEC | 2500 | 1 | 0,15 | 1.235 | 48 | 29 | **1.042,40** |
| SBCP3355ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 355 EEC | 2350 | 1,7 | 0,36 | 1.930 | 52 | 42,5 | **1.383,40** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| SBCP3400ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 400 EEC | 2100 | 1,63 | 0,99 | 3.110 | 51 | 67 | **2.039,70** |
| SBCP3450ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 450 EEC | 2100 | 1,63 | 0,99 | 3.360 | 52 | 67 | **2.060,10** |
| SBCP3500ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 500 EEC | 1450 | 1,67 | 1,01 | 4.300 | 44 | 90 | **2.377,30** |
| SBCP3560ECG4F7 | SBC-3 PLUS FILTER (ISO Coarse≥60%+ePM1≥50%) 560 EEC | 1450 | 1,67 | 1,01 | 4.420 | 45 | 90 | **2.401,10** |

## FILTER | FILTROS

## SB-3 & SBC-3 FILTER EEC - SB-3 & SBC-3 PLUS FILTER EEC



### CFF

Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P. € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04005 | 295x145x24 | SB-3 FILTER 3015 EEC & PLUS & SBC-3 FILTER 125 EEC & PLUS | 400 | 57 | **30,40** |
| FILTG04006 | 395x198x24 | SB-3 FILTER 4020 EEC & PLUS & SBC-3 FILTER 150-160 EEC & PLUS | 600 | 57 | **30,40** |
| FILTG04007 | 495x348x24 | SB-3 FILTER 5035 EEC & PLUS & SBC-3 FILTER 200-250-315 EEC & PLUS | 1300 | 57 | **37,40** |



### CFGF

Cell filter with galvanized frame
Filtro de celdas con marco galvanizado

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P. € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04008 | 594x394x48 | SB-3 FILTER 6040 EEC & PLUS & SBC-3 FILTER 355 EEC & PLUS | 2250 | 60 | **41,70** |
| FILTG04009 | 694x496x48 | SB-3 FILTER 7050 EEC & PLUS & SBC-3 FILTER 400-450 EEC & PLUS | 3300 | 60 | **52,30** |
| FILTG04010 | 794x598x48 | SB-3 FILTER 8060 EEC & PLUS & SBC-3 FILTER 500-560 EEC & PLUS | 4550 | 60 | **83,30** |



### CHEF

High efficiency, rigid and compact filters
Filtro compacto rígido de alta eficacia

### ePM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P. € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF07018 | 295x145x24 | SB-3 FILTER 3015 EEC & PLUS & SBC-3 FILTER 125 EEC & PLUS | 200 | 90 | **54,10** |
| FILTF07019 | 395x198x24 | SB-3 FILTER 4020 EEC & PLUS & SBC-3 FILTER 150 EEC & PLUS | 350 | 90 | **54,10** |
| FILTF07020 | 495x348x24 | SB-3 FILTER 5035 EEC & PLUS & SBC-3 FILTER 200 EEC & PLUS | 700 | 90 | **98,90** |
| FILTF07021 | 594x394x48 | SB-3 FILTER 6040 EEC & PLUS & SBC-3 FILTER 355 EEC & PLUS | 1700 | 90 | **118,60** |
| FILTF07022 | 694x496x48 | SB-3 FILTER 7050 EEC & PLUS & SBC-3 FILTER 400 EEC & PLUS | 2500 | 90 | **156,60** |
| FILTF07023 | 794x598x48 | SB-3 FILTER 8060 EEC & PLUS & SBC-3 FILTER 500 EEC & PLUS | 3460 | 90 | **238,50** |

### ePM1≥80% (F9)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P. € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF09016 | 295x145x24 | SB-3 FILTER 3015 EEC & PLUS & SBC-3 FILTER 125 EEC & PLUS | 110 | 130 | **144,00** |
| FILTF09017 | 395x198x24 | SB-3 FILTER 4020 EEC & PLUS & SBC-3 FILTER 150 EEC & PLUS | 200 | 130 | **144,00** |
| FILTF09018 | 495x348x24 | SB-3 FILTER 5035 EEC & PLUS & SBC-3 FILTER 200 EEC & PLUS | 450 | 130 | **155,20** |
| FILTF09019 | 594x394x48 | SB-3 FILTER 6040 EEC & PLUS & SBC-3 FILTER 355 EEC & PLUS | 1140 | 130 | **171,90** |
| FILTF09020 | 694x496x48 | SB-3 FILTER 7050 EEC & PLUS & SBC-3 FILTER 400 EEC & PLUS | 1700 | 130 | **210,90** |
| FILTF09021 | 794x598x48 | SB-3 FILTER 8060 EEC & PLUS & SBC-3 FILTER 500 EEC & PLUS | 2350 | 130 | **283,40** |

# BOX HB | BOX HBA



BOX HB



BOX HBA

ErP 60 +info Hz

## AXIAL IN SOUNDPROOF CABINET

### MANUFACTURING FEATURES

• BOX: Soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Easy motor access and fan maintenance through removable panels.

Internal fan:
• HB: axial fan, circular reinforced frame in sizes from 45 to 80. The internal fan for sizes from 90 to 125 it is a HC.
Motor-impeller assembly through a modular system. Variable pitch angle polyamide impeller reinforced with fibreglass. Polyester powder finishing coat.
• HBA: axial fan, circular reinforced frame in sizes from 45 to 80. The internal fan for sizes from 90 to 125 it is a HCA. Motor-impeller assembly through a modular system. Cast aluminium impeller with variable pitch angle. Polyester powder finishing coat.
• Squirrel cage asynchronous standard motor, IP- 55 protection and rated class F insulation. Standard
voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers 1 speed and 400V for 2 speeds motors.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:
• Air renewal in buildings and industries.
• Smoke extraction (max. 45-50ºC).
• Maximum working temperature: single phase 50ºC, three phase 60ºC.

### UNDER REQUEST

• B form impeller (air flow from impeller to motor). 5% additional cost.
• 100% reversible impeller. 5% additional cost.
• Special voltages.
• Fan to move air up to 100ºC (BOX HBA).

## HELICOIDAL EN CAJA INSONORIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

• BOX: Caja construida en chapa de acero galvanizado aislada con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.

Ventilador Interior:
• HB: ventilador helicoidal de marco redondo reforzado con nervio intermedio para tamaños del 45 al 80. Para tamaños del 90 al 125 es un HC.
Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio. Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en origen. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
• HBA: ventilador helicoidal con mismas características constructivas que HB pero con hélice de aluminio para tamaños del 45 al 80. Para tamaños del 90 al 125 es un HCA. Montaje modular del conjunto motor hélice.
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores de 1 velocidad 400V para 2 velocidades.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:
• Renovación de aire en todo tipo de edificios e industrias.
• Extracción de humos (máx. 45-50ºC).
• Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

### BAJO DEMANDA

• Hélice impelente (sentido de aire hélice-motor). Incremento de PVP: 5%.
• Hélice reversible 100%. Incremento de PVP: 5%.
• Tensiones especiales.
• Ventilador para mover aire hasta 100ºC (BOX HBA).

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**VISB** pg.485
Outdoor flange with bird guard for BOX HB series.
Visera intemperie con malla antipájaros para serie BOX HB.



**CMP-HUT** pg.462
High temperature damper for horizontal/vertical position.
Compuerta de alta temperatura para posición horizontal/vertical.

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (BOX HB)
## SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | |
|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 |
| BOX HB 45 M4 (A0:6) | **995,70** | | | |
| BOX HB 45 M4 (A5:6) | **1.083,50** | **1.109,00** | **1.175,80** | |
| BOX HB 50 M4 (A0:6) | | **1.074,40** | | |
| BOX HB 50 M4 (A5:6) | **1.136,70** | **1.162,20** | **1.229,00** | **1.266,50** |
| BOX HB 56 M4 (A2:6) | | **1.363,90** | **1.430,70** | **1.468,20** |
| BOX HB 56 M4 (A2:9) | | **1.397,10** | **1.463,90** | **1.501,40** |
| BOX HB 56 M4 (A5:6) | | **1.378,20** | **1.445,00** | **1.482,50** |
| BOX HB 63 M4 (A2:6) | | | **1.479,50** | **1.517,00** |
| BOX HB 63 M4 (A2:9) | | | **1.512,80** | **1.550,30** |
| BOX HB 63 M4 (A5:6) | | | **1.493,70** | **1.531,20** |
| BOX HB 71 M4 (A2:6) | | | | **1.814,10** |
| BOX HB 71 M4 (A2:9) | | | | **1.847,50** |
| BOX HB 71 M4 (A5:6) | | | | **1.828,50** |

## IE3 THREE PHASE RANGE 4 POLE | IE3 SERIE TRIFÁSICA 4 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| BOX HB 45 T4 (A0:6) | 1.087,00 | | | | | | | | | | |
| BOX HB 45 T4 (A5:6) | 1.174,80 | 1.181,60 | 1.203,70 | | | | | | | | |
| BOX HB 50 T4 (A0:6) | | 1.147,00 | | | | | | | | | |
| BOX HB 50 T4 (A5:6) | 1.228,00 | 1.234,80 | 1.256,90 | 1.263,00 | | | | | | | |
| BOX HB 56 T4 (A2:6) | | 1.436,50 | 1.458,60 | 1.464,70 | 1.519,50 | 1.576,60 | 1.699,40 | | | | |
| BOX HB 56 T4 (A2:9) | | 1.469,70 | 1.491,80 | 1.497,90 | 1.552,70 | 1.609,80 | 1.732,60 | 1.842,80 | | | |
| BOX HB 56 T4 (A5:6) | | 1.450,80 | 1.472,90 | 1.479,00 | 1.533,80 | 1.590,90 | 1.713,70 | | | | |
| BOX HB 63 T4 (A2:6) | | | 1.507,40 | 1.513,50 | 1.568,30 | 1.625,40 | 1.748,20 | 1.858,40 | | | |
| BOX HB 63 T4 (A2:9) | | | 1.540,70 | 1.546,80 | 1.601,60 | 1.658,70 | 1.781,50 | 1.891,70 | | | |
| BOX HB 63 T4 (A5:6) | | | 1.521,60 | 1.527,70 | 1.582,50 | 1.639,60 | 1.762,40 | 1.872,60 | | | |
| BOX HB 71 T4 (A2:6) | | | | 1.810,60 | 1.865,40 | 1.922,50 | 2.045,30 | 2.155,50 | 2.318,30 | | |
| BOX HB 71 T4 (A2:9) | | | | 1.844,00 | 1.898,80 | 1.955,90 | 2.078,70 | 2.188,90 | 2.351,70 | | |
| BOX HB 71 T4 (A5:6) | | | | 1.825,00 | 1.879,80 | 1.936,90 | 2.059,70 | 2.169,90 | 2.332,70 | | |
| BOX HB 80 T4 (A2:6) | | | | | 1.933,70 | 1.990,80 | 2.113,60 | 2.223,80 | 2.386,60 | 2.634,00 | 2.845,90 |
| BOX HB 80 T4 (A2:9) | | | | | 1.967,10 | 2.024,20 | 2.147,00 | 2.257,20 | 2.420,00 | 2.667,40 | 2.879,30 |
| BOX HB 80 T4 (A5:6) | | | | | 1.948,20 | 2.005,30 | 2.128,10 | 2.238,30 | 2.401,10 | | |

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| BOX HB 90 T4 (A6:3) | 3.463,10 | 3.625,90 | 3.873,30 | 4.085,20 | 4.754,40 | 5.021,50 | | | | | |
| BOX HB 90 T4 (A6:6) | 3.637,40 | 3.800,20 | 4.047,60 | 4.259,50 | 4.928,70 | 5.195,80 | | | | | |
| BOX HB 100 T4 (A6:3) | | | 4.038,90 | 4.250,80 | 4.920,00 | 5.187,10 | 5.778,70 | 5.969,10 | | | |
| BOX HB 100 T4 (A6:6) | | | 4.213,20 | 4.425,10 | 5.094,30 | 5.361,40 | 5.953,00 | 6.143,40 | | | |
| BOX HB 112 T4 (A6:3) | | | 5.798,40 | 6.010,30 | 6.679,50 | 6.946,60 | 7.538,20 | 7.728,60 | 8.778,90 | 9.733,10 | |
| BOX HB 112 T4 (A6:6) | | | 5.972,90 | 6.184,80 | 6.854,00 | 7.121,10 | 7.712,70 | 7.903,10 | 8.953,40 | 9.907,60 | |
| BOX HB 125 T4 (A7:4) | | | | 6.515,90 | 7.185,10 | 7.452,20 | 8.043,80 | 8.234,20 | 9.284,50 | 10.238,70 | 10.834,70 |
| BOX HB 125 T4 (A7:8) | | | | | 7.513,80 | 7.780,90 | 8.372,50 | 8.562,90 | 9.613,20 | 10.567,40 | 11.163,40 |

# Ventiladores de alta eficiencia con motor electrónico Probat EEC by Casals

Folleto

Brochure

# High efficiency fans with Probat electronic motor EEC by Casals

## IE3 THREE PHASE RANGE 6 POLE | IE3 SERIE TRIFÁSICA 6 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 |
| BOX HB 45 T6 (A0:6) | **1.131,20** | | | | | | | | |
| BOX HB 45 T6 (A5:6) | | **1.237,00** | | | | | | | |
| BOX HB 50 T6 (A0:6) | | **1.202,40** | | | | | | | |
| BOX HB 50 T6 (A5:6) | | **1.290,20** | | | | | | | |
| BOX HB 56 T6 (A2:6) | | **1.491,90** | **1.499,20** | **1.517,10** | **1.502,30** | | | | |
| BOX HB 56 T6 (A2:9) | | **1.525,10** | **1.532,40** | **1.550,30** | **1.535,50** | | | | |
| BOX HB 56 T6 (A5:6) | | **1.506,20** | **1.513,50** | **1.531,40** | **1.516,60** | | | | |
| BOX HB 63 T6 (A2:6) | | | | **1.565,90** | **1.551,10** | **1.583,00** | | | |
| BOX HB 63 T6 (A2:9) | | | | **1.599,20** | **1.584,40** | **1.616,30** | | | |
| BOX HB 63 T6 (A5:6) | | | | **1.580,10** | **1.565,30** | **1.597,20** | | | |
| BOX HB 71 T6 (A2:6) | | | | **1.863,00** | **1.848,20** | **1.880,10** | **1.943,70** | | |
| BOX HB 71 T6 (A2:9) | | | | **1.896,40** | **1.881,60** | **1.913,50** | **1.977,10** | | |
| BOX HB 71 T6 (A5:6) | | | | **1.877,40** | **1.862,60** | **1.894,50** | **1.958,10** | | |
| BOX HB 80 T6 (A2:6) | | | | | | **1.948,40** | **2.012,00** | **2.121,60** | **2.301,50** |
| BOX HB 80 T6 (A2:9) | | | | | | **1.981,80** | **2.045,40** | **2.155,00** | **2.334,90** |
| BOX HB 80 T6 (A5:6) | | | | | | **1.962,90** | **2.026,50** | **2.136,10** | **2.316,00** |

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HB 90 T6 (A6:3) | **3.360,90** | **3.540,80** | **3.854,70** | **4.010,10** | | | | |
| BOX HB 90 T6 (A6:6) | **3.535,20** | **3.715,10** | **4.029,00** | **4.184,40** | | | | |
| BOX HB 100 T6 (A6:3) | | | **4.020,30** | **4.175,70** | **4.395,40** | **4.699,00** | | |
| BOX HB 100 T6 (A6:6) | | | **4.194,60** | **4.350,00** | **4.569,70** | **4.873,30** | | |
| BOX HB 112 T6 (A6:3) | | | **5.779,80** | **5.935,20** | **6.154,90** | **6.458,50** | **6.911,40** | |
| BOX HB 112 T6 (A6:6) | | | **5.954,30** | **6.109,70** | **6.329,40** | **6.633,00** | **7.085,90** | |
| BOX HB 125 T6 (A7:4) | | | **6.285,40** | **6.440,80** | **6.660,50** | **6.964,10** | **7.417,00** | **8.103,90** |
| BOX HB 125 T6 (A7:8) | | | **6.614,10** | **6.769,50** | **6.989,20** | **7.292,80** | **7.745,70** | **8.432,60** |



## THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 |
| BOX HB 45 T4/T8 (A0:6) | 1.116,90 | | | | | | | | | | |
| BOX HB 45 T4/T8 (A5:6) | 1.204,70 | 1.212,20 | 1.267,40 | | | | | | | | |
| BOX HB 50 T4/T8 (A0:6) | | 1.177,60 | | | | | | | | | |
| BOX HB 50 T4/T8 (A5:6) | 1.257,90 | 1.265,40 | 1.320,60 | 1.367,90 | | | | | | | |
| BOX HB 56 T4/T8 (A2:6) | | 1.467,10 | 1.522,30 | 1.569,60 | 1.620,20 | 1.687,70 | 1.856,40 | | | | |
| BOX HB 56 T4/T8 (A2:9) | | 1.500,30 | 1.555,50 | 1.602,80 | 1.653,40 | 1.720,90 | 1.889,60 | 1.990,80 | | | |
| BOX HB 56 T4/T8 (A5:6) | | 1.481,40 | 1.536,60 | 1.583,90 | 1.634,50 | 1.702,00 | 1.870,70 | | | | |
| BOX HB 63 T4/T8 (A2:6) | | | 1.571,10 | 1.618,40 | 1.669,00 | 1.736,50 | 1.905,20 | 2.006,40 | | | |
| BOX HB 63 T4/T8 (A2:9) | | | 1.604,40 | 1.651,70 | 1.702,30 | 1.769,80 | 1.938,50 | 2.039,70 | | | |
| BOX HB 63 T4/T8 (A5:6) | | | 1.585,30 | 1.632,60 | 1.683,20 | 1.750,70 | 1.919,40 | 2.020,60 | | | |
| BOX HB 71 T4/T8 (A2:6) | | | | 1.915,50 | 1.966,10 | 2.033,60 | 2.202,30 | 2.303,50 | 2.522,80 | | |
| BOX HB 71 T4/T8 (A2:9) | | | | 1.948,90 | 1.999,50 | 2.067,00 | 2.235,70 | 2.336,90 | 2.556,20 | | |
| BOX HB 71 T4/T8 (A5:6) | | | | 1.929,90 | 1.980,50 | 2.048,00 | 2.216,70 | 2.317,90 | 2.537,20 | | |
| BOX HB 80 T4/T8 (A2:6) | | | | | 2.034,40 | 2.101,90 | 2.270,60 | 2.371,80 | 2.591,10 | 2.996,00 | 3.198,50 |
| BOX HB 80 T4/T8 (A2:9) | | | | | 2.067,80 | 2.135,30 | 2.304,00 | 2.405,20 | 2.624,50 | 3.029,40 | 3.231,90 |
| BOX HB 80 T4/T8 (A5:6) | | | | | 2.048,90 | 2.116,40 | 2.285,10 | 2.386,30 | 2.605,60 | | |

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| BOX HB 90 T4/T8 (A6:3) | 3.611,10 | 3.830,40 | 4.235,30 | 4.437,80 | 4.832,80 | 5.174,20 | | | | | | |
| BOX HB 90 T4/T8 (A6:6) | 3.785,40 | 4.004,70 | 4.409,60 | 4.612,10 | 5.007,10 | 5.348,50 | | | | | | |
| BOX HB 100 T4/T8 (A6:3) | | | 4.400,90 | 4.603,40 | 4.998,40 | 5.339,80 | 6.281,60 | 6.365,30 | | | | |
| BOX HB 100 T4/T8 (A6:6) | | | 4.575,20 | 4.777,70 | 5.172,70 | 5.514,10 | 6.455,90 | 6.539,60 | | | | |
| BOX HB 112 T4/T8 (A6:3) | | | 6.160,40 | 6.362,90 | 6.757,90 | 7.099,30 | 8.041,10 | 8.124,80 | 9.443,60 | 9.769,60 | 11.608,10 | |
| BOX HB 112 T4/T8 (A6:6) | | | 6.334,90 | 6.537,40 | 6.932,40 | 7.273,80 | 8.215,60 | 8.299,30 | 9.618,10 | 9.944,10 | 11.782,60 | |
| BOX HB 125 T4/T8 (A7:4) | | | | 6.868,50 | 7.263,50 | 7.604,90 | 8.546,70 | 8.630,40 | 9.949,20 | 10.275,20 | 12.113,70 | 12.942,80 |
| BOX HB 125 T4/T8 (A7:8) | | | | | 7.592,20 | 7.933,60 | 8.875,40 | 8.959,10 | 10.277,90 | 10.603,90 | 12.442,40 | 13.271,50 |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (BOX HBA)
## SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | |
|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 |
| BOX HBA 45 M4 (A0:6) | 1.046,50 | | | |
| BOX HBA 45 M4 (A5:6) | 1.228,30 | 1.253,80 | 1.320,60 | |
| BOX HBA 50 M4 (A0:6) | | 1.125,30 | | |
| BOX HBA 50 M4 (A5:6) | 1.281,70 | 1.307,20 | 1.374,00 | 1.411,50 |
| BOX HBA 56 M4 (A2:6) | | 1.486,40 | 1.553,20 | 1.590,70 |
| BOX HBA 56 M4 (A2:9) | | 1.581,10 | 1.647,90 | 1.685,40 |
| BOX HBA 56 M4 (A5:6) | | 1.523,10 | 1.589,90 | 1.627,40 |
| BOX HBA 63 M4 (A2:6) | | | 1.602,00 | 1.639,50 |
| BOX HBA 63 M4 (A2:9) | | | 1.696,70 | 1.734,20 |
| BOX HBA 63 M4 (A5:6) | | | 1.638,70 | 1.676,20 |
| BOX HBA 71 M4 (A2:6) | | | | 1.936,80 |
| BOX HBA 71 M4 (A2:9) | | | | 2.031,50 |
| BOX HBA 71 M4 (A5:6) | | | | 1.973,40 |

## IE3 THREE PHASE RANGE 4 POLE | IE3 SERIE TRIFÁSICA 4 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| BOX HBA 45 T4 (A0:6) | 1.137,80 | | | | | | | | | | |
| BOX HBA 45 T4 (A5:6) | 1.319,60 | 1.326,40 | 1.348,50 | | | | | | | | |
| BOX HBA 50 T4 (A0:6) | | 1.197,90 | | | | | | | | | |
| BOX HBA 50 T4 (A5:6) | 1.373,00 | 1.379,80 | 1.401,90 | 1.408,00 | | | | | | | |
| BOX HBA 56 T4 (A2:6) | | 1.559,00 | 1.581,10 | 1.587,20 | 1.642,00 | 1.699,10 | 1.821,90 | | | | |
| BOX HBA 56 T4 (A2:9) | | 1.653,70 | 1.675,80 | 1.681,90 | 1.736,70 | 1.793,80 | 1.916,60 | 2.026,80 | | | |
| BOX HBA 56 T4 (A5:6) | | 1.595,70 | 1.617,80 | 1.623,90 | 1.678,70 | 1.735,80 | 1.858,60 | | | | |
| BOX HBA 63 T4 (A2:6) | | | 1.629,90 | 1.636,00 | 1.690,80 | 1.747,90 | 1.870,70 | 1.980,90 | | | |
| BOX HBA 63 T4 (A2:9) | | | 1.724,60 | 1.730,70 | 1.785,50 | 1.842,60 | 1.965,40 | 2.075,60 | | | |
| BOX HBA 63 T4 (A5:6) | | | 1.666,60 | 1.672,70 | 1.727,50 | 1.784,60 | 1.907,40 | 2.017,60 | | | |
| BOX HBA 71 T4 (A2:6) | | | | 1.933,30 | 1.988,10 | 2.045,20 | 2.168,00 | 2.278,20 | 2.441,00 | | |
| BOX HBA 71 T4 (A2:9) | | | | 2.028,00 | 2.082,80 | 2.139,90 | 2.262,70 | 2.372,90 | 2.535,70 | | |
| BOX HBA 71 T4 (A5:6) | | | | 1.969,90 | 2.024,70 | 2.081,80 | 2.204,60 | 2.314,80 | 2.477,60 | | |
| BOX HBA 80 T4 (A2:6) | | | | | 2.056,40 | 2.113,50 | 2.236,30 | 2.346,50 | 2.509,30 | 2.756,70 | 2.968,60 |
| BOX HBA 80 T4 (A2:9) | | | | | 2.151,10 | 2.208,20 | 2.331,00 | 2.441,20 | 2.604,00 | 2.851,40 | 3.063,30 |
| BOX HBA 80 T4 (A5:6) | | | | | 2.092,90 | 2.150,00 | 2.272,80 | 2.383,00 | 2.545,80 | | |

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| BOX HBA 90 T4 (A6:3) | 3.627,50 | 3.790,30 | 4.037,70 | 4.249,60 | 4.918,80 | 5.185,90 | | | | | |
| BOX HBA 90 T4 (A6:6) | 3.941,30 | 4.104,10 | 4.351,50 | 4.563,40 | 5.232,60 | 5.499,70 | | | | | |
| BOX HBA 100 T4 (A6:3) | | | 4.203,30 | 4.415,20 | 5.084,40 | 5.351,50 | 5.943,10 | 6.133,50 | | | |
| BOX HBA 100 T4 (A6:6) | | | 4.517,10 | 4.729,00 | 5.398,20 | 5.665,30 | 6.256,90 | 6.447,30 | | | |
| BOX HBA 112 T4 (A6:3) | | | 5.962,80 | 6.174,70 | 6.843,90 | 7.111,00 | 7.702,60 | 7.893,00 | 8.943,30 | 9.897,50 | |
| BOX HBA 112 T4 (A6:6) | | | 6.276,80 | 6.488,70 | 7.157,90 | 7.425,00 | 8.016,60 | 8.207,00 | 9.257,30 | 10.211,50 | |
| BOX HBA 125 T4 (A7:4) | | | | 6.739,90 | 7.409,10 | 7.676,20 | 8.267,80 | 8.458,20 | 9.508,50 | 10.462,70 | 11.058,70 |
| BOX HBA 125 T4 (A7:8) | | | | | 7.827,60 | 8.094,70 | 8.686,30 | 8.876,70 | 9.927,00 | 10.881,20 | 11.477,20 |

## IE3 THREE PHASE RANGE 6 POLE | IE3 SERIE TRIFÁSICA 6 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 |
| BOX HBA 45 T6 (A0:6) | 1.182,00 | | | | | | |
| BOX HBA 45 T6 (A5:6) | | 1.381,80 | | | | | |
| BOX HBA 50 T6 (A0:6) | | 1.253,30 | | | | | |
| BOX HBA 50 T6 (A5:6) | | 1.435,20 | | | | | |
| BOX HBA 56 T6 (A2:6) | | 1.614,40 | 1.621,70 | 1.639,60 | 1.624,80 | | |
| BOX HBA 56 T6 (A2:9) | | 1.709,10 | 1.716,40 | 1.734,30 | 1.719,50 | | |
| BOX HBA 56 T6 (A5:6) | | 1.651,10 | 1.658,40 | 1.676,30 | 1.661,50 | | |
| BOX HBA 63 T6 (A2:6) | | | | 1.688,40 | 1.673,60 | 1.705,50 | |
| BOX HBA 63 T6 (A2:9) | | | | 1.783,10 | 1.768,30 | 1.800,20 | |
| BOX HBA 63 T6 (A5:6) | | | | 1.725,10 | 1.710,30 | 1.742,20 | |
| BOX HBA 71 T6 (A2:6) | | | | 1.985,70 | 1.970,90 | 2.002,80 | 2.066,40 |
| BOX HBA 71 T6 (A2:9) | | | | 2.080,40 | 2.065,60 | 2.097,50 | 2.161,10 |
| BOX HBA 71 T6 (A5:6) | | | | 2.022,30 | 2.007,50 | 2.039,40 | 2.103,00 |

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBA 80 T6 (A2:6) | 2.071,10 | 2.134,70 | 2.244,30 | 2.424,20 | | | | | | |
| BOX HBA 80 T6 (A2:9) | 2.165,80 | 2.229,40 | 2.339,00 | 2.518,90 | | | | | | |
| BOX HBA 80 T6 (A5:6) | 2.107,60 | 2.171,20 | 2.280,80 | 2.460,70 | | | | | | |
| BOX HBA 90 T6 (A6:3) | | | 3.525,30 | 3.705,20 | 4.019,10 | 4.174,50 | | | | |
| BOX HBA 90 T6 (A6:6) | | | 3.839,10 | 4.019,00 | 4.332,90 | 4.488,30 | | | | |
| BOX HBA 100 T6 (A6:3) | | | | | 4.184,70 | 4.340,10 | 4.559,80 | 4.863,40 | | |
| BOX HBA 100 T6 (A6:6) | | | | | 4.498,50 | 4.653,90 | 4.873,60 | 5.177,20 | | |
| BOX HBA 112 T6 (A6:3) | | | | | 5.944,20 | 6.099,60 | 6.319,30 | 6.622,90 | 7.075,80 | |
| BOX HBA 112 T6 (A6:6) | | | | | 6.258,20 | 6.413,60 | 6.633,30 | 6.936,90 | 7.389,80 | |
| BOX HBA 125 T6 (A7:4) | | | | | 6.509,40 | 6.664,80 | 6.884,50 | 7.188,10 | 7.641,00 | 8.327,90 |
| BOX HBA 125 T6 (A7:8) | | | | | 6.927,90 | 7.083,30 | 7.303,00 | 7.606,60 | 8.059,50 | 8.746,40 |

## THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 |
| BOX HBA 45 T4/T8 (A0:6) | **1.167,70** | | | | | | | | | | |
| BOX HBA 45 T4/T8 (A5:6) | **1.349,50** | **1.357,00** | **1.412,20** | | | | | | | | |
| BOX HBA 50 T4/T8 (A0:6) | | **1.228,50** | | | | | | | | | |
| BOX HBA 50 T4/T8 (A5:6) | **1.402,90** | **1.410,40** | **1.465,60** | **1.512,90** | | | | | | | |
| BOX HBA 56 T4/T8 (A2:6) | | **1.589,60** | **1.644,80** | **1.692,10** | **1.742,70** | **1.810,20** | **1.978,90** | | | | |
| BOX HBA 56 T4/T8 (A2:9) | | **1.684,30** | **1.739,50** | **1.786,80** | **1.837,40** | **1.904,90** | **2.073,60** | **2.174,80** | | | |
| BOX HBA 56 T4/T8 (A5:6) | | **1.626,30** | **1.681,50** | **1.728,80** | **1.779,40** | **1.846,90** | **2.015,60** | | | | |
| BOX HBA 63 T4/T8 (A2:6) | | | **1.693,60** | **1.740,90** | **1.791,50** | **1.859,00** | **2.027,70** | **2.128,90** | | | |
| BOX HBA 63 T4/T8 (A2:9) | | | **1.788,30** | **1.835,60** | **1.886,20** | **1.953,70** | **2.122,40** | **2.223,60** | | | |
| BOX HBA 63 T4/T8 (A5:6) | | | **1.730,30** | **1.777,60** | **1.828,20** | **1.895,70** | **2.064,40** | **2.165,60** | | | |
| BOX HBA 71 T4/T8 (A2:6) | | | | **2.038,20** | **2.088,80** | **2.156,30** | **2.325,00** | **2.426,20** | **2.645,50** | | |
| BOX HBA 71 T4/T8 (A2:9) | | | | **2.132,90** | **2.183,50** | **2.251,00** | **2.419,70** | **2.520,90** | **2.740,20** | | |
| BOX HBA 71 T4/T8 (A5:6) | | | | **2.074,80** | **2.125,40** | **2.192,90** | **2.361,60** | **2.462,80** | **2.682,10** | | |
| BOX HBA 80 T4/T8 (A2:6) | | | | | **2.157,10** | **2.224,60** | **2.393,30** | **2.494,50** | **2.713,80** | **3.118,70** | **3.321,20** |
| BOX HBA 80 T4/T8 (A2:9) | | | | | **2.251,80** | **2.319,30** | **2.488,00** | **2.589,20** | **2.808,50** | **3.213,40** | **3.415,90** |
| BOX HBA 80 T4/T8 (A5:6) | | | | | **2.193,60** | **2.261,10** | **2.429,80** | **2.531,00** | **2.750,30** | | |

| Model\|Modelo | Power\|Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| BOX HBA 90 T4/T8 (A6:3) | **3.775,50** | **3.994,80** | **4.399,70** | **4.602,20** | **4.997,20** | **5.338,60** | | | | | | |
| BOX HBA 90 T4/T8 (A6:6) | **4.089,30** | **4.308,60** | **4.713,50** | **4.916,00** | **5.311,00** | **5.652,40** | | | | | | |
| BOX HBA 100 T4/T8 (A6:3) | | | **4.565,30** | **4.767,80** | **5.162,80** | **5.504,20** | **6.446,00** | **6.529,70** | | | | |
| BOX HBA 100 T4/T8 (A6:6) | | | **4.879,10** | **5.081,60** | **5.476,60** | **5.818,00** | **6.759,80** | **6.843,50** | | | | |
| BOX HBA 112 T4/T8 (A6:3) | | | **6.324,80** | **6.527,30** | **6.922,30** | **7.263,70** | **8.205,50** | **8.289,20** | **9.608,00** | **9.934,00** | **11.772,50** | |
| BOX HBA 112 T4/T8 (A6:6) | | | **6.638,80** | **6.841,30** | **7.236,30** | **7.577,70** | **8.519,50** | **8.603,20** | **9.922,00** | **10.248,00** | **12.086,50** | |
| BOX HBA 125 T4/T8 (A7:4) | | | | **7.092,50** | **7.487,50** | **7.828,90** | **8.770,70** | **8.854,40** | **10.173,20** | **10.499,20** | **12.337,70** | **13.166,80** |
| BOX HBA 125 T4/T8 (A7:8) | | | | | **7.906,00** | **8.247,40** | **9.189,20** | **9.272,90** | **10.591,70** | **10.917,70** | **12.756,20** | **13.585,30** |

PLUG FAN
with IEC
motor

PLUG
FAN con
motor
IEC

by Casals

Ø 315 - 400



Ø 450 - 630



Folleto

Brochure

KENTFAN

Storm
industrial

Folleto

Brochure



# Put a Storm in every industrial application

# Un Storm para cada aplicación industrial

# BOX RL



ErP 60 +info Hz

BACKWARD CENTRIFUGAL IN SOUNDPROOF CABINET

**MANUFACTURING FEATURES**
- Box manufactured in galvanized steel sheet.
- Centrifugal fan with self-cleaning system and backward blade impeller. Direct coupling motor to the impeller.
- Exchangeable panels.
- Open outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers and single speed motors and 400V 50Hz for 2 speed motors.

**APPLICATIONS**

Designed for inline installation, they are suitable for:
- Air renewal in buildings and industries.
- Maximum working temperature: 60ºC.

**UNDER REQUEST**
- Special voltages.
- Double skin insulation.

CENTRÍFUGO A REACCIÓN EN CAJA

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Caja construida en chapa de acero galvanizado.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción). Motor acoplado directamente al rodete.
- Paneles intercambiables.
- Impulsión abierta.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

**APLICACIONES**

Diseñados para instalación en conducto, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 60ºC.

**BAJO DEMANDA**
- Voltajes especiales.
- Panel sándwich.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**CPCC+FILTERS** pg.468
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



**BA-400** pg.484
Flexible flange 400ºC/2h.
Brida antivibratoria 400ºC/2h.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 241390106 | BOX RL 400 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 4.890 | 50 | 110 | **2.695,70** |
| 241460106 | BOX RL 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 6.960 | 54 | 137 | **3.084,80** |
| 241520106 | BOX RL 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 9.540 | 58 | 142 | **3.313,40** |
| 241600106 | BOX RL 560 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 13.400 | 61 | 182 | **3.895,20** |
| 241670106 | BOX RL 630 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 19.080 | 64 | 213 | **4.214,80** |
| 241770106 | BOX RL 710 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 27.310 | 68 | 268 | **4.699,20** |

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 241440106 | BOX RL 400 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 3.170 | 41 | 110 | **2.554,00** |
| 241470106 | BOX RL 450 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 4.510 | 45 | 136 | **2.905,20** |
| 241540106 | BOX RL 500 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.300 | 48 | 141 | **3.332,70** |
| 241620106 | BOX RL 560 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 8.680 | 51 | 171 | **3.774,40** |
| 241660106 | BOX RL 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 12.360 | 55 | 193 | **4.499,10** |
| 241760106 | BOX RL 710 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 17.700 | 58 | 258 | **5.015,20** |
| 241840106 | BOX RL 800 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 25.310 | 62 | 334 | **5.336,10** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES
### T4/T8 pole | T4/T8 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2415201062V | BOX RL 500 T4/T8 1,5/0,3kW | 1400 | 3,46/1,27 | 1,50 | 9.540 | 58 | 142 | **3.746,30** |
| 2416001062V | BOX RL 560 T4/T8 2,2/0,37kW | 1430 | 4,96/1,86 | 2,20 | 13.400 | 61 | 182 | **4.459,60** |
| 2416701062V | BOX RL 630 T4/T8 4/0,75kW | 1440 | 8,15/2,74 | 4,00 | 19.080 | 64 | 193 | **5.796,20** |
| 2417701062V | BOX RL 710 T4/T8 7,5/1,5kW | 1450 | 14,47/5,11 | 7,50 | 27.310 | 68 | 268 | **6.762,20** |

# KENTALBOX PLUS



ErP 60 +info Hz

## VENTILATION BOX WITH BACKWARD IMPELLER

### MANUFACTURING FEATURES

- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rock-wool (25 mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Centrifugal fan with motor coupled directly to the impeller, plug-fan type.
- Circular inlet to facilitate duct connection. Open outlet.
- Models with AC motor inside the air flow. Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages of 230/400V & 400/690V 50/60Hz for three-phase motors.
- Backward curved single inlet impeller of high performance with self-cleaning system made of steel. Balanced statically and dynamically at origin.
- Exchangeable panels.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum working temperature (ambient and airflow): 50ºC for single phase motors and 60ºC for three phase motors.

## CAJA DE VENTILACIÓN CON TURBINA A REACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Ventilador centrífugo con motor acoplado directamente al rodete tipo plug fan.
- Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta
- Modelos con motor AC y dentro del flujo del aire. Motor de jaula de ardilla asíncrono estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar 230/400V y 400/690V 50/60Hz para motores trifásicos.
- Turbina de simple aspiración de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero. Equilibrada estática y dinámicamente en origen.
- Paneles intercambiables.

### APLICACIONES

Diseñados para instalación en línea, son adecuados para:

- Renovación de aire en edificios e industrias.
- Extracción de humo.
- Temperatura máxima de trabajo en continuo (ambiente y flujo del aire): 50ºC para motores monofásicos y 60ºC para motores trifásicos.

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**TIC** pg.493

Outlet blind cover.
Tapa ciega impulsión.



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**TBIC** pg.494

Outlet round cover.
Tapa impulsión circular.



**BOX FILTER** pg.466

External box filter.
Caja portafiltros exterior.



**TEJ** pg.497

Weather protective roof for KENTALBOX PLUS.
Tejadillo intemperie para KENTALBOX PLUS.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Weight (kg) | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx m³/h | Peso (kg) | P.V.P € |
| 249314103 | KENTALBOX PLUS 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.400 | 37 | **973,30** |
| 249354103 | KENTALBOX PLUS 355 M4 0,25kW | 1400 | 1,93 | 0,25 | 3.230 | 44 | **1.101,60** |
| 249404103 | KENTALBOX PLUS 400 M4 0,55kW | 1400 | 3,98 | 0,55 | 4.650 | 59 | **1.366,30** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight (kg) | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | Potencia kW | Q máx m³/h | Sonido dB (A) | Peso (kg) | P.V.P € |
| | | | 230V | 400V | | | | | |
| 249312106 | KENTALBOX PLUS 315 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 4.880 | 56 | 38 | **1.184,00** |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight (kg) | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | Potencia kW | Q máx m³/h | Sonido dB (A) | Peso (kg) | P.V.P € |
| | | | 230V | 400V | | | | | |
| 249314106 | KENTALBOX PLUS 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.400 | 40 | 37 | **1.047,10** |
| 249354106 | KENTALBOX PLUS 355 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 3.230 | 42 | 44 | **1.175,40** |
| 249404106 | KENTALBOX PLUS 400 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 4.650 | 45 | 59 | **1.411,80** |
| 249454106 | KENTALBOX PLUS 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 7.290 | 49 | 80 | **1.796,90** |
| 249504106 | KENTALBOX PLUS 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 9.665 | 52 | 105 | **2.268,50** |
| 249564106 | KENTALBOX PLUS 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 13.685 | 52 | 122 | **2.650,90** |
| 249634106 | KENTALBOX PLUS 630 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 19.765 | 57 | 151 | **3.323,80** |

## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight (kg) | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | Potencia kW | Q máx m³/h | Sonido dB (A) | Peso (kg) | P.V.P € |
| | | | 230V | 400V | | | | | |
| 249506106 | KENTALBOX PLUS 500 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.350 | 43 | 102 | **2.176,40** |
| 249566106 | KENTALBOX PLUS 560 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 9.110 | 43 | 120 | **2.422,50** |
| 249636106 | KENTALBOX PLUS 630 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 13.050 | 48 | 151 | **2.877,40** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### T4/T8 pole | T4/T8 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Weight (kg) | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | Potencia kW | Q máx m³/h | Peso (kg) | P.V.P € |
| 2493141062V | KENTALBOX PLUS 315 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 2.400 | 37 | **1.075,80** |
| 2493541062V | KENTALBOX PLUS 355 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 3.230 | 44 | **1.204,10** |
| 2494041062V | KENTALBOX PLUS 400 T4/T8 0,75/0,12kW | 1400 | 2,03/0,68 | 0,75 | 4.650 | 59 | **1.557,60** |
| 2494541062V | KENTALBOX PLUS 450 T4/T8 1,1/0,18kW | 1400 | 2,67/1,08 | 1,10 | 7.290 | 80 | **1.922,50** |
| 2495041062V | KENTALBOX PLUS 500 T4/T8 1,5/0,25kW | 1400 | 3,46/1,27 | 1,50 | 9.665 | 105 | **2.402,60** |
| 2495641062V | KENTALBOX PLUS 560 T4/T8 3/0,55kW | 1430 | 6,53/2,33 | 3,00 | 13.685 | 122 | **2.840,00** |
| 2496341062V | KENTALBOX PLUS 630 T4/T8 7,5/1,5kW | 1450 | 14,47/5,11 | 7,50 | 19.765 | 151 | **3.776,10** |

# OVERPRESSURE KIT > KIT-PE

# KIT-PE

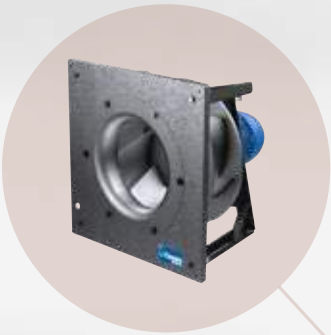
# KIT SOBREPRESIÓN > KIT-PE

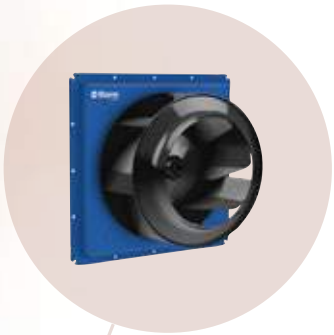
- > Easy installation | Fácil instalación
- > Compact solution | Solución compacta
- > Preventive maintenance | Mantenimiento preventivo
- > Easy start-up (plug&play) | Fácil puesta en marcha
- > Secure installation | Instalación segura



# PLUGfans

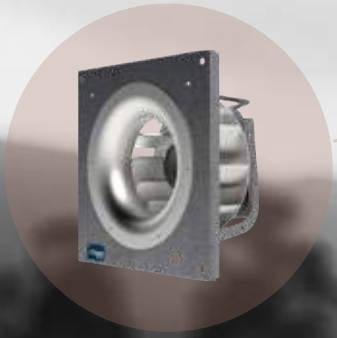
casals.com

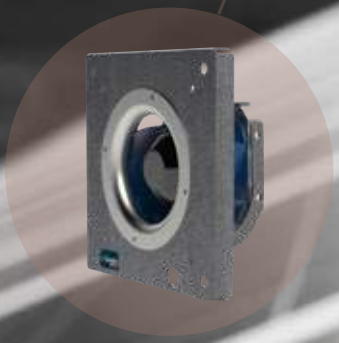










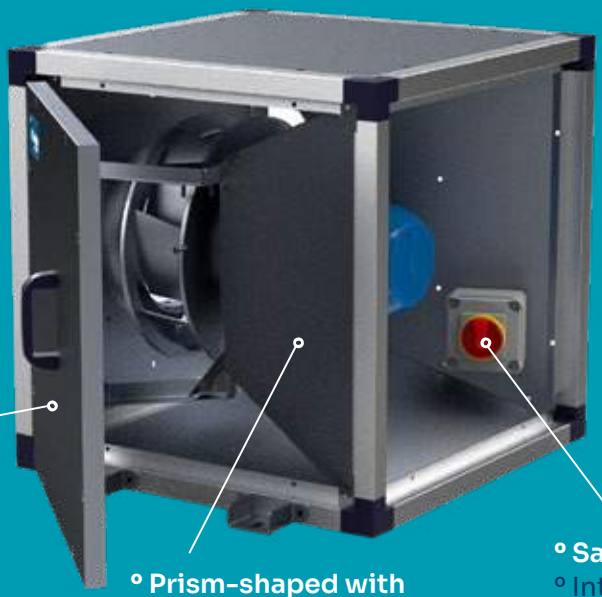




Catalogue

Catálogo

# º KEN-TAL-COOK



**º Panel de registro mediante asa.**
º Handle-operated inspection panel.

**º Prism-shaped with diffusing effect.**
º Forma de prisma con efecto difusor.

**º Safety switch.**
º Interruptor de seguridad.



**º Stainless steel drain purge.**
º Purga de drenaje de acero inoxidable.

º Gran estanqueidad, con doble sellado
º Motor fuera del flujo del aire
º Para trabajar a 120ºc en continuo
º Fácil desmontaje para su mantenimiento

**º High tightness, with double sealing**
**º Motor outside the air flow**
**º To work at 120ºc in cotinuous**
**º Easy disassembly for maintenance**

# ENKELBOX EEC



ErP 60 +info Hz

## CENTRIFUGAL BOX WITH EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

- Inline ventilation box made of galvanized steel for duct connection.
- Circular suction mouth to facilitate duct connection. Open outlet.
- Plug-type fan with self-cleaning impeller with back curved blades (backward), high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 155 and 190 and aluminum impellers for the rest.
- High efficiency (IE4 for three phase motors and IE5 for single motors), low noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply for models 155 to 310 and three-phase 400V 50/60Hz for sizes 355 and 450. IP54 motor and class B insulation.
- The box is supplied with a safety switch with potentiometer for a total regulation (PMR).
- Circular suction mouth to facilitate duct connection. Open outlet.

### APPLICATIONS

Designed for duct installation, they are indicated for:
- Air renewal in all types of buildings and industries.
- Air renewals in simple flow residential, commercial and controlled mechanical ventilation (CMV) applications.
- Air renewal in office buildings, shopping centers, warehouses, etc.
- Kitchen hoods.
- Working temperature range from -20ºC to 60ºC.

### UNDER REQUEST

- Fan (size between 250 and 450) with k-factor reading.

## CENTRÍFUGO EN CAJA CON MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación inline construida en acero galvanizado para conexión a conducto.
- Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta.
- Ventilador tipo plug fan con turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para 155 y 190 y chapa de aluminio para el resto de turbinas.
- Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos 155 a 310 y trifásica 400V 50/60Hz para tamaños 355 y 450. Motor IP54 y aislamiento clase B.
- La caja Incorpora interruptor de seguridad con potenciómetro para una regulación total (PMR).
- Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Renovaciones de aire en aplicaciones de ventilación mecánica controlada (VMC), residencial y comercial de simple flujo.
- Renovación de aire en edificios de oficinas, centros comerciales, almacenes, etc.
- Campanas de cocina.
- Rango de temperatura de trabajo de -20ºC a 60ºC.

### BAJO DEMANDA

- Ventilador (tamaño entre 250 y 450) con lectura de factor k.

## ACCESSORIES | ACCESORIOS



**TIC** pg.493

Outlet blind cover.
Tapa ciega impulsión.



**TBIC** pg.494

Outlet round cover.
Tapa impulsión circular.



**VISC** pg.497

Circular outdoor flange with bird guard.
Visera para intemperie con malla antipájaros para boca circular.



**TEJ** pg.497

Weather protective roof for ENKELBOX EEC.
Tejadillo intemperie para ENKELBOX EEC.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKBEC155 | ENKELBOX 155 EEC | 3950 | 0,25 | 0,06 | 450 | 44 | 5 | **669,50** |
| ENKBEC190 | ENKELBOX 190 EEC | 3570 | 0,6 | 0,09 | 740 | 47 | 6,5 | **731,30** |
| ENKBEC250 | ENKELBOX 250 EEC | 2500 | 1,00 | 0,15 | 1.590 | 49 | 12 | **875,50** |
| ENKBEC310 | ENKELBOX 310 EEC | 2350 | 1,7 | 0,36 | 3.060 | 53 | 18 | **1.040,30** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKBEC355 | ENKELBOX 355 EEC | 2100 | 1,63 | 0,99 | 4.750 | 53 | 30 | **1.673,80** |
| ENKBEC450 | ENKELBOX 450 EEC | 1450 | 1,67 | 1,01 | 6.730 | 46 | 45 | **1.921,00** |

# ENKELBOX FILTER EEC





ErP 60 +info Hz

## CENTRIFUGAL BOX WITH FILTER AND EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

• Inline ventilation box made of galvanized steel for duct connection. Box with particle filter(s) integrated. The box is available with a filter ISO Coarse≥60% (G4) or with double filtration satge ISO Coarse≥60% (G4) + ePM1≥50% (F7). Easy filter maintance due to Removable filter holder frame from both from the top and from de bottom. Optimized air intake to maximize performance.
• Plug-type fan with self-cleaning impeller with back curved blades (backward), high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 155 and 190 and aluminum impellers for the rest.
• High efficiency (IE4 for three phase motors and IE5 for single motors), low noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply for models 155 to 310 and three-phase 400V 50/60Hz for sizes 355 and 450. IP54 motor and class B insulation.
• The box is supplied with a safety switch with potentiometer for a total regulation
• Circular suction mouth to facilitate duct connection. Open outlet.

### APPLICATIONS

Designed for duct installation, they are indicated for:
- Air renewals in simple flow residential, commercial and controlled mechanical ventilation (CMV) applications.
• Working temperature range from -20ºC to 60ºC.

### UNDER REQUEST

• Fan (size between 250 and 450) with k-factor reading.

## CENTRÍFUGO EN CAJA CON FILTRO Y MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

• Caja de ventilación inline construida en acero galvanizado para conexión a conducto. Caja con filtro(s) de partículas integrado(s). Disponible con filtro ISO Coarse≥60% (G4) o bien con doble etapa de filtración ISO Coarse≥60% (G4) +ePM1≥50% (F7). Facil mantenimiento de filtros gracias a tapa registrable tanto por la parte superior como inferior. Entrada de aire optimizada para maximizar el rendimiento.
• Ventilador tipo plug fan con turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo.
Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para 155 y 190 y chapa de aluminio para el resto de turbinas.
• Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos 155 a 310 y trifásica 400V 50/60Hz para tamaños 355 y 450. Motor IP54 y aislamiento clase B.
• La caja Incorpora interruptor de seguridad con potenciómetro para una regulación total.
• Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
- Renovaciones de aire en aplicaciones de ventilación mecánica controlada (VMC), residencial y comercial de simple flujo.
• Rango de temperatura de trabajo de -20ºC a 60ºC.

### BAJO DEMANDA

• Ventilador (tamaño entre 250 y 450) con lectura de factor k.

## ACCESSORIES | ACCESORIOS



**TIC** pg.493

Outlet blind cover.
Tapa ciega impulsión.



**CFF** pg.65

Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**TBIC** pg.494

Outlet round cover.
Tapa impulsión circular.



**CHEF** pg.65

High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.



**VISC** pg.497

Circular outdoor flange with bird guard.
Visera para intemperie con malla antipájaros para boca circular.



**TEJ** pg.497

Weather protective roof for ENKELBOX FILTER EEC.
Tejadillo intemperie para ENKELBOX FILTER EEC.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB(A) | Weight Kg * | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB(A) | Peso Kg * | P.V.P € |
| ENKBEC155G4 | ENKELBOX FILTER (ISO Coarse60%) 155 EEC | 3950 | 0,25 | 0,06 | 415 | 44 | 7 | **734,20** |
| ENKBEC190G4 | ENKELBOX FILTER (ISO Coarse60%) 190 EEC | 3570 | 0,6 | 0,09 | 700 | 47 | 9 | **768,60** |
| ENKBEC250G4 | ENKELBOX FILTER (ISO Coarse60%) 250 EEC | 2500 | 1,00 | 0,15 | 1.440 | 49 | 15 | **916,70** |
| ENKBEC310G4 | ENKELBOX FILTER (ISO Coarse60%) 310 EEC | 2350 | 1,7 | 0,36 | 2.870 | 53 | 25 | **1.236,00** |
| ENKBEC155G4F7 | ENKELBOX FILTER (ISO Coarse60%+ePM150%) 155 EEC | 3950 | 0,25 | 0,06 | 330 | 44 | 8,5 | **772,50** |
| ENKBEC190G4F7 | ENKELBOX FILTER (ISO Coarse60%+ePM150%) 190 EEC | 3570 | 0,6 | 0,09 | 585 | 47 | 11 | **803,40** |
| ENKBEC250G4F7 | ENKELBOX FILTER (ISO Coarse60%+ePM150%) 250 EEC | 2500 | 1,00 | 0,15 | 1.065 | 49 | 18 | **952,80** |
| ENKBEC310G4F7 | ENKELBOX FILTER (ISO Coarse60%+ePM150%) 310 EEC | 2350 | 1,7 | 0,36 | 2.350 | 53 | 32 | **1.313,30** |

* Los pesos indicados son sin filtros / the indicated weight is without filters

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB(A) | Weight Kg * | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB(A) | Peso Kg * | P.V.P € |
| ENKBEC355G4 | ENKELBOX FILTER (ISO Coarse60%) 355 EEC | 2100 | 1,63 | 0,99 | 4.390 | 53 | 39 | **1.900,40** |
| ENKBEC450G4 | ENKELBOX FILTER (ISO Coarse60%) 450 EEC | 1450 | 1,67 | 1,01 | 6.190 | 46 | 58 | **2.163,00** |
| ENKBEC355G4F7 | ENKELBOX FILTER (ISO Coarse60%+ePM150%) 355 EEC | 2100 | 1,63 | 0,99 | 3.770 | 53 | 47 | **2.034,30** |
| ENKBEC450G4F7 | ENKELBOX FILTER (ISO Coarse60%+ePM150%) 450 EEC | 1450 | 1,67 | 1,01 | 5.020 | 46 | 70 | **2.353,60** |

* Los pesos indicados son sin filtros / the indicated weight is without filters

## FILTER | FILTROS

### ENKELBOX FILTER EEC



### CFF

Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast

### ISO COARSE≥60% (G4)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04042 | 270x270x24 | ENKELBOX FILTER 155 | 400 | 35 | **15,70** |
| FILTG04043 | 340x340x24 | ENKELBOX FILTER 190 | 640 | 35 | **18,10** |
| FILTG04044 | 440x440x24 | ENKELBOX FILTER 250 | 1.070 | 35 | **20,70** |
| FILTG04045 | 540x540x48 | ENKELBOX FILTER 310 | 2.800 | 65 | **29,70** |
| FILTG04046 | 640x640x48 | ENKELBOX FILTER 355 | 4.000 | 65 | **36,60** |
| FILTG04047 | 790x790x48 | ENKELBOX FILTER 450 | 6.000 | 65 | **49,40** |



### CHEF

High efficiency, rigid and compact filters
Filtro compacto rígido de alta eficacia

### ePM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF07053 | 270x270x24 | ENKELBOX FILTER 155 | 320 | 90 | **34,40** |
| FILTF07054 | 340x340x24 | ENKELBOX FILTER 190 | 550 | 90 | **40,50** |
| FILTF07055 | 440x440x24 | ENKELBOX FILTER 250 | 850 | 90 | **50,80** |
| FILTF07056 | 540x540x48 | ENKELBOX FILTER 310 | 2.100 | 90 | **123,10** |
| FILTF07057 | 640x640x48 | ENKELBOX FILTER 355 | 3.000 | 90 | **140,10** |
| FILTF07058 | 790x790x48 | ENKELBOX FILTER 450 | 4.500 | 90 | **179,30** |

### ePM1≥80% (F9)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF09042 | 270x270x24 | ENKELBOX FILTER 155 | 260 | 130 | **35,50** |
| FILTF09043 | 340x340x24 | ENKELBOX FILTER 190 | 450 | 130 | **42,90** |
| FILTF09044 | 440x440x24 | ENKELBOX FILTER 250 | 700 | 130 | **56,30** |
| FILTF09045 | 540x540x48 | ENKELBOX FILTER 310 | 1.500 | 130 | **128,80** |
| FILTF09046 | 640x640x48 | ENKELBOX FILTER 355 | 2.200 | 130 | **141,90** |
| FILTF09047 | 790x790x48 | ENKELBOX FILTER 450 | 3.300 | 130 | **183,20** |

# ENKELBOX PLUS EEC



ErP 60 +info Hz

## CENTRIFUGAL FAN IN SOUNDPROOF BOX WITH EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

• Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25 mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance.
• Circular suction mouth to facilitate duct connection. Open outlet.
• Plug-type fan with self-cleaning impeller with back curved blades (backward), high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 155 and 190 and aluminum impellers for the rest.
• High efficiency (IE4 for three phase motors and IE5 for single motors), low noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply for models 155 to 310 and three-phase 400V 50/60Hz for sizes 355 and 450. IP54 motor and class B insulation.
• The box is supplied with a safety switch with potentiometer for a total regulation (PMR).
• Circular suction mouth to facilitate duct connection. Open outlet.

### APPLICATIONS

Designed for duct installation, they are indicated for:
• Air renewal in all types of buildings and industries.
• Air renewal in office buildings, shopping centers, warehouses, etc.
• Kitchen hoods.
Working temperature range from -20°C to 60°C.

### UNDER REQUEST

• Fan (size between 250 and 450) with k-factor reading.

## CENTRÍFUGO EN CAJA INSONORIZADA CON MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

• Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento.
• Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta.
• Ventilador tipo plug fan con turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para 155 y 190 y chapa de aluminio para el resto de turbinas.
• Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos 155 a 310 y trifásica 400V 50/60Hz para tamaños 355 y 450. Motor IP54 y aislamiento clase B.
• La caja incorpora interruptor de seguridad con potenciómetro para una regulación total (PMR).
• Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta.

### APLICACIONES

Diseñados para la instalación en conducto, son indicados para:
• Renovación de aire en todo tipo de edificios e industrias.
• Renovación de aire en edificios de oficinas, centros comerciales, almacenes, etc.
• Campanas de cocina.
Rango de temperatura de trabajo de -20°C a 60°C.

### BAJO DEMANDA

• Ventilador (tamaño entre 250 y 450) con lectura de factor k."

## ACCESSORIES | ACCESORIOS



**TIC** pg.493
Outlet blind cover.
Tapa ciega impulsión.



**TBIC** pg.494
Outlet round cover.
Tapa impulsión circular.



**VISC** pg.497
Circular outdoor flange with bird guard.
Visera para intemperie con malla antipájaros para boca circular.



**TEJ** pg.497
Weather protective roof for ENKELBOX PLUS EEC.
Tejadillo intemperie para ENKELBOX PLUS EEC.



**BOX FILTER** pg.466
External box filter.
Caja portafiltros exterior.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKBPEC155 | ENKELBOX PLUS 155 EEC | 3950 | 0,25 | 0,06 | 450 | 40 | 10 | **918,00** |
| ENKBPEC190 | ENKELBOX PLUS 190 EEC | 3570 | 0,6 | 0,09 | 740 | 43 | 11 | **943,50** |
| ENKBPEC250 | ENKELBOX PLUS 250 EEC | 2500 | 1,00 | 0,15 | 1.590 | 45 | 15 | **1.111,80** |
| ENKBPEC310 | ENKELBOX PLUS 310 EEC | 2350 | 1,7 | 0,36 | 3.060 | 49 | 24 | **1.295,40** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKBPEC355 | ENKELBOX PLUS 355 EEC | 2100 | 1,63 | 0,99 | 4.750 | 49 | 30 | **1.902,30** |
| ENKBPEC450 | ENKELBOX PLUS 450 EEC | 1450 | 1,67 | 1,01 | 6.730 | 42 | 46 | **2.173,60** |
| ENKBPEC500 | ENKELBOX PLUS 500 EEC | 1800 | 4,95 | 3,00 | 12.300 | - | 52 | **3.209,10** |
| ENKBPEC560 | ENKELBOX PLUS 560 EEC | 1520 | 4,4 | 2,77 | 15.300 | - | 67 | **3.469,80** |
| ENKBPEC630 | ENKELBOX PLUS 630 EEC | 1250 | 4,4 | 2,70 | 17.000 | - | 77 | **3.767,30** |

# BOX BD



ErP 60 +info Hz

## CENTRIFUGAL IN SOUNDPROOF CABINET

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models made of galvanized steel sheet.
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply pannel.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Casals exclusive design closed motors with extruded aluminum housing, which make the whole set of connections protected inside the terminal box integrated in the motor with IP-65 protection. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- 3 speed motor.
- LG0 position. 10% additional cost.
- Impeller made of galvanized sheet.

## CENTRÍFUGO EN CAJA INSONORIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta tamaño 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0 en el panel de impulsión.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Motor 3 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**REG** pg.511

Speed controller for single phase motors
Regulador de velocidad manual monofásico



**REGD** pg.511

Speed controller.
Regulador de velocidad.



**TCA** pg.493

Inlet blind cover.
Tapa ciega aspiración



**VIS** pg.496

Flange with bird guard.
Visera con malla antipájaros.



**TIAC** pg.494

Inlet/outlet round cover.
Tapa aspiración/impulsión circular



**PI** pg.461

Outlet gravity shutter.
Persiana sobre presión metálica.



**BAC** pg.495

Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.



**CPCC+FILTERS** pg.468

Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100551 | BOX BD 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 56 | 19 | **484,20** |
| 251220550 | BOX BD 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.670 | 58 | 30 | **551,10** |
| 251320550 | BOX BD 10/10 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.790 | 61 | 34 | **599,80** |

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251160550 | BOX BD 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.020 | 41 | 20 | **454,80** |
| 251280551 | BOX BD 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.130 | 50 | 28 | **622,80** |
| 251370551 | BOX BD 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.720 | 53 | 34 | **671,00** |
| 251520551 | BOX BD 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 5.960 | 56 | 49 | **863,20** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251520153 | BOX BD 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.100 | 56 | 51 | **819,60** |
| 252370157 | BOX BD 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10.460 | 61 | 71 | **1.322,10** |



CV.28.02.25

# BOX BD 3V



ErP | 60 +info Hz

CENTRIFUGAL IN SOUNDPROOF CABINET, 3 SPEED MOTOR

**MANUFACTURING FEATURES**
- Impellers made of polyamide reinforced with fiberglass
- BD 3V range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Closed 3 speed motor specially designed Casals: extruded aluminum housing, all protected inside the terminal box on the motor IP 65 protection and motor with IP54 protection and Class F insulation standard voltages: 230V 50Hz.

**APPLICATIONS**
Designed for inline installation, indoor or outdoor assembly, they are suitable for:
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

**UNDER REQUEST**
- LG0 position.
- Impellers made of galvanised steel sheet.

CENTRÍFUGO EN CAJA INSONORIZADA CON MOTOR 3 VELOCIDADES

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Turbina de poliamida reforzada con fibra de vidrio
- Ventiladores de la serie BD 3V montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Motores cerrados de 3 velocidades de diseño exclusivo Casals: carcasa de aluminio extruido, conjunto de conexiones protegido dentro de la caja de bornes integrada en el motor IP 65. Motor con protección IP54 y aislamiento clase F. Voltajes estándar 230V 50Hz.

**APLICACIONES**
Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

**BAJO DEMANDA**
- Posición LG0.
- Turbina de xapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT 3V** pg.516
4 steps start-stop switch selector.
Interruptor de paro-marcha de cuatro posiciones.



**BAC** pg.495
Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular



**TCA** pg.493
Inlet blind cover.
Tapa ciega aspiración



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100550E001 | BOX BD 7/7 M4 0,12kW 3V | 1126 / 1266 / 1360 | L1=1,5 L2=0,9 L3=0,6 | 0,12 | 1.653 | 50 | 19 | **550,50** |
| 251220550E001 | BOX BD 9/9 M4 0,35kW 3V | 1167 / 1260 / 1400 | L1=3,2 L2=2,4 L3=1,6 | 0,35 | 2.774 | 50 | 30 | **696,00** |
| 251320550E001 | BOX BD 10/10 M4 0,59kW 3V | 1032 / 1216 / 1400 | L1=4,96 L2=2,9 L3=2 | 0,59 | 3.525 | 54 | 34 | **718,20** |

### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Pot. nom.kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251520550E001 | BOX BD 12/12 M6 0,79kW 3V | 749 / 812 / 860 | L1=6,5 L2=4,1 L3=3 | 0,79 | 5.928 | 59 | 49 | **926,10** |

# BOX BD PLUS

CENTRIFUGAL FAN IN SOUNDPROOF CABINET BOX WITH SANDWICH PANELS

CENTRÍFUGO EN CAJA INSONORIZADA CON PANEL SÁNDWICH



ErP 60 +Info Hz

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass (models 7/7, 9/9, 10/10 and 12/12). Other models made of galvanized steel sheet.
- BD range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Connection gland included.
- Easy access through lateral panel.
- Fan can be placed in any position by exchanging panels.
- Casals exclusive design closed motors with extruded aluminum housing, which make the whole set of connections protected inside the terminal box integrated in the motor with IP-65 protection. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- 3 speed motor.
- Impeller made of galvanized sheet.
- Rectangular outlet flange.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio (modelos 7/7, 9/9, 10/10 y 12/12) resto de modelos con turbina en chapa de acero galvanizado.
- Ventiladores de la serie BD montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- El ventilador se puede situar en cualquier posición mediante intercambio de paneles.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Motores 3 velocidades.
- Turbina de chapa galvanizada.
- Boca de impulsión rectangular.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**TIAC pg.**494

Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**BOX FILTER+FILTERS** pg.466

External box filter.
Caja portafiltros exterior.



**TEJ** pg.497

Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



**INT** pg.515

Safety switch.
Interruptor de corte.



**VISC** pg.497

Flute peak shape flange for outlet.
Brida para situar en la impulsión en forma de pico de flauta



**CPCC+FILTERS** pg.468

Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.



**REG** pg.511

Single phase manual speed controller.
Regulador de velocidad manual monofásico.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code<br>Código | Model<br>Modelo | Rated R.P.M.<br>R.P.M. nom. | Rated I (A) 230V<br>I nominal (A) 230V | Power kW<br>Potencia kW | Air flow m³/h<br>Q máx. m³/h | Sound dB (A)<br>Sonido dB (A) | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|---|---|
| 251100451 | BOX BD PLUS 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 53 | 24 | **672,70** |
| 251270450 | BOX BD PLUS 9/7 M4 0,35KW | 1375 | 2,7 | 0,35 | 2.400 | 54 | 32 | **732,40** |
| 251220450 | BOX BD PLUS 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.670 | 55 | 33 | **756,00** |
| 251340450 | BOX BD PLUS 10/8 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.260 | 57 | 40 | **790,10** |
| 251320450 | BOX BD PLUS 10/10 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.790 | 58 | 42 | **811,10** |

### 6 pole | 6 polos

| Code<br>Código | Model<br>Modelo | Rated R.P.M.<br>R.P.M. nom. | Rated I (A) 230V<br>I nominal (A) 230V | Power kW<br>Potencia kW | Air flow m³/h<br>Q máx. m³/h | Sound dB (A)<br>Sonido dB (A) | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|---|---|
| 251160450 | BOX BD PLUS 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.020 | 38 | 24 | **634,10** |
| 251280451 | BOX BD PLUS 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.130 | 47 | 33 | **803,90** |
| 251370451 | BOX BD PLUS 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.720 | 50 | 42 | **839,00** |
| 251600452 | BOX BD PLUS 12/9 M6 0,76kW | 950 | 6,7 | 0,76 | 5.540 | 53 | 51 | **1.048,60** |
| 251520451 | BOX BD PLUS 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 5.960 | 53 | 54 | **1.041,50** |

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 6 pole | 6 polos

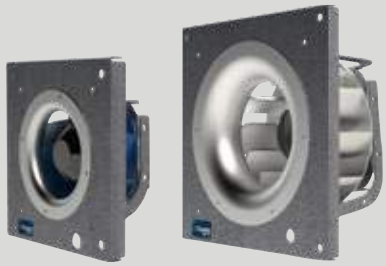
| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251600451 | BOX BD PLUS 12/9 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 5.480 | 53 | 53 | **987,70** |
| 251520453 | BOX BD PLUS 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.090 | 53 | 54 | **989,50** |
| 252370457 | BOX BD PLUS 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10.450 | 58 | 70 | **1.589,70** |

50/60Hz

# ENKELFAN EEC

PLUG FAN COMPACTO CON MOTOR ELECTRÓNICO

COMPACT PLUG FAN WITH ELECTRONIC MOTOR







Cajas de ventilación / Ventilation boxes · Instalación en paralelo o "grid" para obtener fácilmente mayores prestaciones / Grid installation to easily obtain greater benefits · Recuperadores de calor / Heat recovery units · UTA'S · Unidades de filtración / Filtration units · Maquinaria industrial (refrigeración o movimiento de aire, extracción y aportación) / Industrial machinery (refrigeration or air movement, extraction and supply) · Aerotermos / Air heaters · Purificadores / Purifiers · Extractores de tejado / Roof extractors

# BOX BD FILTER



ErP 60 +info Hz

## CENTRIFUGAL IN SOUNDPROOF CABINET WITH FILTER

### MANUFACTURING FEATURES

- Polyamide impeller reinforced with fibreglass in models up to 12/12. The impeller of the rest of models are made of galvanized steel sheet.
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply pannel.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Box with particle filter ISO COARSE≥60% (G4) integrated. Removable filter holder frame from both sides of the box for maintenance. Washable and replaceable filter media. Optimized air intake to maximize performance.
- Casals exclusive design closed motors with extruded aluminum housing, which make the whole set of connections protected inside the terminal box integrated in the motor with IP-65 protection. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- 3 speed fans.
- Impeller made of galvanized sheet.

## CENTRÍFUGO DE BAJA PRESIÓN CON CAJA INSONORIZADA Y FILTRO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio para tamaños hasta 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0 en el panel de impulsión.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Caja con filtro de partículas ISO COARSE≥60% (G4) integrado. Marco porta filtros extraíble desde ambos laterales de la caja para el mantenimiento. Manta filtrante lavable y sustituible. Entrada de aire optimizada para maximizar el rendimiento.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Motor 3 velocidades.
- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**REG** pg.511
Speed controller for single phase motors.
Regulador de velocidad manual monofásico.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**CFF** pg.72
Filter cells with fiberplast frame.
Filtro de celdas con marco fiberplast.



**BAC** pg.495
Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h * | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h * | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100351STC | BOX BD FILTER 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 56 | 19 | **534,90** |
| 251220350STC | BOX BD FILTER 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.670 | 58 | 30 | **607,50** |
| 251320350STC | BOX BD FILTER 10/10 M4 0,59kW | 1340 | 4,5 | 0,59 | 3.790 | 61 | 34 | **655,70** |

* data without filter / datos sin filtro

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h * | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h * | Sonido dB (A) | Peso Kg | P.V.P € |
| 251160350STC | BOX BD FILTER 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.020 | 41 | 20 | **505,70** |
| 251280351STC | BOX BD FILTER 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.130 | 50 | 28 | **678,60** |
| 251370351STC | BOX BD FILTER 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.720 | 53 | 34 | **731,40** |
| 251520351STC | BOX BD FILTER 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 5.960 | 56 | 49 | **931,50** |

* data without filter / datos sin filtro

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h * | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h * | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251519953STC | BOX BD FILTER 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.090 | 56 | 51 | **888,20** |

* data without filter / datos sin filtro

## FILTER | FILTROS

### FILTER FOR BOX BD/BV FILTER | FILTROS PARA BOX BD/BV FILTER



**CFF**

Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04013 | 440x331x20 | BOX BD-BV FILTER 7/7 | 1100 | 57 | **33,80** |
| FILTG04016 | 525x391x20 | BOX BD-BV FILTER 9/9 | 1600 | 57 | **37,90** |
| FILTG04018 | 570x443x20 | BOX BD-BV FILTER 10/10 | 1900 | 57 | **41,10** |
| FILTG04020 | 640x522x20 | BOX BD-BV FILTER 12/12 | 2500 | 57 | **47,00** |

ORMEN EEC



casals.com

Brochure

Smart energy saving at home
Ahorra en casa de manera inteligente

Folleto

# BOX BD FILTER 3V



ErP | 60 +info Hz

CENTRIFUGAL IN SOUNDPROOF CABINET WITH FILTER AND 3 SPEED MOTOR

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fiberglass.
- BD 3V range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Closed 3 speed motor specially designed Casals: extruded aluminum housing, all protected inside the terminal box on the motor IP 65 protection and motor with IP54 protection and Class F insulation standard voltages: 230V 50Hz
- Box with particle filter ISO Coarse≥60% (G4) integrated. Removable filter holder frame from both sides of the box for maintenance. Washable and replaceable filter media. Optimized air intake to maximize performance.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- LG0 position.
- Impellers made of galvanised steel sheet.

CENTRÍFUGO DE BAJA PRESION CON CAJA INSONORIZADA, FILTRO Y MOTOR 3 VELOCIDADES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BD 3V montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Motores cerrados de 3 velocidades de diseño exclusivo Casals: carcasa de aluminio extruido, conjunto de conexiones protegido dentro de la caja de bornes integrada en el motor IP 65. Motor con protección IP54 y aislamiento clase F. Voltajes estándar 230V 50Hz.
- Caja con filtro de partículas ISO Coarse≥60% (G4) integrado. Marco porta filtros extraíble desde ambos laterales de la caja para el mantenimiento. Manta filtrante lavable y sustituible. Entrada de aire optimizada para maximizar el rendimiento.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Posición LG0.
- Turbina de xapa galvanizada.

## ACCESSORIES | ACCESORIOS



**PI** pg.461

Outlet gravity shutter.
Persiana sobre presión metálica.



**INT 3V** pg.516

4 steps start-stop switch selector.
Interruptor de paro-marcha de cuatro posiciones.



**TIAC** pg.494

Inlet/outlet round cover.
Tapa aspiración/impulsión circular



**TCA** pg.493

Inlet blind cover.
Tapa ciega aspiración



**VIS** pg.496

Flange with bird guard.
Visera con malla antipájaros.



**CFF** pg.73

Filter cells with fiberplast frame.
Filtro de celdas con marco fiberplast.



**BAC** pg.495

Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code<br>Código | Model<br>Modelo | R.P.M.<br>R.P.M. | Rated I (A) 230V<br>I nominal (A) 230V | Power kW<br>Potencia kW | Air flow m³/h<br>Q máx. m³/h | Sound dB (A)<br>Sonido dB (A) | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|---|---|
| 251100550F001 | BOX BD FILTER 7/7 M4 0,12kW 3V | 1126 / 1266 / 1360 | L1=1,5 L2=0,9 L3=0,6 | 0,12 | 1.440 | 49 | 24 | **601,20** |
| 251220550F001 | BOX BD FILTER 9/9 M4 0,35kW 3V | 1167 / 1260 / 1400 | L1=3,2 L2=2,4 L3=1,6 | 0,35 | 2.570 | 49 | 33 | **752,40** |
| 251320550F001 | BOX BD FILTER 10/10 M4 0,59kW 3V | 1032 / 1216 / 1400 | L1=4,96 L2=2,9 L3=2 | 0,59 | 3.515 | 53 | 42 | **774,10** |

### 6 pole | 6 polos

| Code<br>Código | Model<br>Modelo | R.P.M.<br>R.P.M. | Rated I (A) 230V<br>I nominal (A) 230V | Rat. Power kW<br>Pot. nom.kW | Air flow m³/h<br>Q máx. m³/h | Sound dB (A)<br>Sonido dB (A) | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|---|---|
| 251520550F001 | BOX BD FILTER 12/12 M6 0,79kW 3V | 749 / 812 / 860 | L1=6,5 L2=4,1 L3=3 | 0,79 | 4.820 | 58 | 54 | **994,40** |

## FILTER | FILTROS

### FILTER FOR BOX BD/BV FILTER | FILTROS PARA BOX BD/BV FILTER



**CFF**

Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTG04013 | 440x331x20 | BOX BD-BV FILTER 7/7 | 1100 | 57 | **33,80** |
| FILTG04016 | 525x391x20 | BOX BD-BV FILTER 9/9 | 1600 | 57 | **37,90** |
| FILTG04018 | 570x443x20 | BOX BD-BV FILTER 10/10 | 1900 | 57 | **41,10** |
| FILTG04020 | 640x522x20 | BOX BD-BV FILTER 12/12 | 2500 | 57 | **47,00** |



CV.28.02.25

# BOX BD EEC



ErP

EEC PM motors

50 & 60 Hz

## CENTRIFUGAL IN SOUNDPROOF CABINET WITH ELECTRONIC MOTOR

### MANUFACTURING FEATURES

- Polyamide impeller reinforced with fiberglass.
- BD EEC range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply panel.
- Fan mounted on antivibration mountings.
- Connection gland included.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods (use in supply).
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- LG0 position +10% RRP.
- Impellers made of galvanized steel sheet.

## CENTRÍFUGO DE BAJA PRESIÓN CON CAJA INSONORIZADA CON MOTOR ELECTRÓNICO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BD EEC montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0 en el panel de impulsión.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos.
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC
- Control de velocidad a través de señal 0-10V o PWM.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales (uso en aportación).
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Posición LG0 +10% PVP.
- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**BAC** pg.495
Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.



**TCA** pg.493
Inlet blind cover.
Tapa ciega aspiración.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Max. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) 1,5m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Max. R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) 1,5m | Peso Kg | P.V.P € |
| 251169554EC | BOX BD 7/7 EEC | 2000 | 5 | 0,37 | 2.860 | 52 | 19 | **838,00** |
| 251289554ECV2 | BOX BD 9/9 EEC | 2000 | 6 | 0,75 | 4.280 | 57 | 32 | **1.083,40** |
| 251379554EC | BOX BD 10/10 EEC | 1800 | 10 | 1,5 | 5.820 | 58 | 31 | **1.396,60** |
| 251529554EC | BOX BD 12/12 EEC | 1200 | 10 | 1,5 | 7.420 | 58 | 54 | **1.640,50** |

# BOX BD PLUS EEC



ErP | EEC PM motors | 50 & 60 Hz

## CENTRIFUGAL FAN IN SOUNDPROOF BOX WITH SANDWICH PANELS AND EEC MOTOR

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass (models 7/7, 9/9, 10/10 and 12/12). Other models made of galvanized steel sheet.
- BD EEC 2018 range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Connection gland included.
- Easy access through lateral panel.
- Fan can be placed in any position by exchanging panels.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50 / 60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- LG0 position +10% RRP.
- Impeller made of galvanized sheet.

## CENTRÍFUGO EN CAJA INSONORIZADA CON PANEL SÁNDWICH CON MOTOR EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio (modelos 7/7, 9/9, 10/10 y 12/12) resto de modelos con turbina en chapa de acero galvanizado.
- Ventiladores de la serie BD EEC 2018 montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- El ventilador se puede situar en cualquier posición mediante intercambio de paneles.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos.
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Posición LG0 +10% PVP.
- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**BOX FILTER+FILTERS** pg.466
External box filter.
Caja portafiltros exterior.



**TEJ** pg.497
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



**INT** pg.515
Safety switch.
Interruptor de corte.



**VISC** pg.497
Flute peak shape flange for outlet.
Brida para situar en la impulsión en forma de pico de flauta



**CPCC+FILTERS** pg.468
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Max. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) 1,5m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Max. R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) 1,5m | Peso Kg | P.V.P € |
| 251169454EC | BOX BD PLUS 7/7 EEC | 2000 | 5 | 0,37 | 2.860 | 50 | 24 | **1.163,60** |
| 251269454ECV2 | BOX BD PLUS 9/7 EEC | 2000 | 6 | 0,75 | 3.940 | 53 | 30,5 | **1.413,00** |
| 251289454ECV2 | BOX BD PLUS 9/9 EEC | 2000 | 6 | 0,75 | 4.280 | 55 | 35 | **1.432,80** |
| 251339454EC | BOX BD PLUS 10/8 EEC | 1800 | 10 | 1,5 | 5.960 | 59 | 36 | **1.722,80** |
| 251379454EC | BOX BD PLUS 10/10 EEC | 1800 | 10 | 1,5 | 5.820 | 56 | 39 | **1.732,80** |
| 251609454EC | BOX BD PLUS 12/9 EEC | 1200 | 10 | 1,5 | 6.440 | 57 | 53 | **2.050,80** |
| 251529454EC | BOX BD PLUS 12/12 EEC | 1200 | 10 | 1,5 | 7.420 | 56 | 59 | **2.080,80** |

# BOX BV



**BOX BV 7/7- 18/18**



**BOX BV 20/20-30/28**

ErP 60 +info Hz

## BELT DRIVEN CENTRIFUGAL IN SOUND PROOF CABINET

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models are made of galvanized steel sheet.
- BV, BVC, BVCR range fans assembles in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply pannel.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- 2 speed motors.
- LG0 position.
- Impeller made of galvanized sheet.
- Special voltages.

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

## CENTRÍFUGO A TRANSMISIÓN EN CAJA INSON ORIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta el tamaño 12/12. Resto de modelos en chapa galvanizada.
Ventiladores de la serie BV, BVC, BVCR montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0 en el panel de impulsión.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Motores 2 velocidades.
- Posición LG0+10%.
- Turbina de chapa galvanizada.
- Voltajes especiales.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**TCA** pg.493
Inlet blind cover.
Tapa ciega aspiración.



**TEJ** pg.497
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



**BAC** pg.495
Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX BV 7/7 | **742,20** | **764,30** | **770,40** | | | | | | | | | |
| BOX BV 9/9 | **842,90** | **865,00** | **871,10** | **925,90** | | | | | | | | |
| BOX BV 10/10 | **889,00** | **911,10** | **917,20** | **972,00** | **1.029,10** | | | | | | | |
| BOX BV 12/12 | **1.055,60** | **1.077,70** | **1.083,80** | **1.138,60** | **1.195,70** | **1.318,50** | | | | | | |
| BOX BV 15/15 | | **1.521,10** | **1.527,20** | **1.582,00** | **1.639,10** | **1.761,90** | **1.872,10** | **2.034,90** | | | | |
| BOX BV 18/18 | | | | **1.729,90** | **1.787,00** | **1.909,80** | **2.020,00** | **2.182,80** | **2.430,20** | | | |
| BOX BV 20/20 | | | | | **4.047,30** | **4.170,10** | **4.280,30** | **4.443,10** | **4.690,50** | **4.902,40** | | |
| BOX BV 22/22 | | | | | **4.349,70** | **4.472,50** | **4.582,70** | **4.745,50** | **4.992,90** | **5.204,80** | **5.874,00** | |
| BOX BV 25/25 | | | | | | **5.322,10** | **5.432,30** | **5.595,10** | **5.842,50** | **6.054,40** | **6.723,60** | |
| BOX BV 30/28 | | | | | | **6.195,50** | **6.305,70** | **6.468,50** | **6.715,90** | **6.927,80** | **7.597,00** | **7.864,10** |

# BOX BV PLUS



ErP 60 +info Hz

## BELT DRIVEN CENTRIFUGAL IN SOUNDPROOF CABINET WITH DOUBLE SKIN INSULATION

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models are made of galvanized steel sheet.
- BV, BVC, BVCR range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rock-wool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG0 position+10 RRP.
- Impeller made of galvanized sheet.

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

## CENTRÍFUGO A TRANSMISIÓN EN CAJA INSONORIZADA CON PANEL SÁNDWICH

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta el tamaño 12/12). Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BV, BVC, BVCR montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG0+10%.
- Turbina de chapa galvanizada.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**TIAC** pg.494

Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**BOX FILTER+FILTERS** pg.466

External box filter.
Caja portafiltros exterior.



**INT** pg.515

Safety switch.
Interruptor de corte.



**TEJ** pg.497

Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 |
| BOX BV PLUS 7/7 | **984,00** | **1.006,10** | **1.012,20** | | | | | | |
| BOX BV PLUS 9/9 | **1.123,10** | **1.145,20** | **1.151,30** | **1.206,10** | | | | | |
| BOX BV PLUS 10/10 | **1.223,70** | **1.245,80** | **1.251,90** | **1.306,70** | **1.363,80** | | | | |
| BOX BV PLUS 12/12 | **1.366,20** | **1.388,30** | **1.394,40** | **1.449,20** | **1.506,30** | **1.629,10** | | | |
| BOX BV PLUS 15/15 | | **1.664,70** | **1.670,80** | **1.725,60** | **1.782,70** | **1.905,50** | **2.015,70** | **2.178,50** | |
| BOX BV PLUS 18/18 | | | | **1.979,10** | **2.036,20** | **2.159,00** | **2.269,20** | **2.432,00** | **2.679,40** |

# BOX BV FILTER



ErP 60 +info Hz

## BELT DRIVEN CENTRIFUGAL IN SOUNDPROOF CABINET WITH FILTER

MANUFACTURING FEATURES
- Impellers made of polyamide reinforced with fibreglass.
- BV range fans assembles in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply panel.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation.Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.
- Box with particle filter ISO COARSE≥60% (G4) integrated. Removable filter holder frame from both sides of the box for maintenance. Washable and replaceable filter media. Optimized air intake to maximize performance.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:
- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum continuous working temperature: 60ºC.

UNDER REQUEST
- Special voltages.
- 2 speed motors.
- Impeller made of galvanized sheet.

This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.

## CENTRÍFUGO A TRANSMISIÓN EN CAJA INSONORIZADA Y FILTRO

CARACTERÍSTICAS CONSTRUCTIVAS
- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BV montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0 en el panel de impulsión.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos.
- Caja con filtro de partículas ISO COARSE≥60% (G4) integrado. Marco porta filtros extraíble desde ambos laterales de la caja para el mantenimiento. Manta filtrante lavable y sustituible. Entrada de aire optimizada para maximizar el rendimiento.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60ºC.

BAJO DEMANDA
- Voltajes especiales.
- Motor 2 velocidades.
- Turbina de chapa galvanizada.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**TIAC** pg.494
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



**CFF** pg.80
Filter cells with fiberplast frame.
Filtro de celdas con marco fiberplast.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Model \| Modelo | Power \| Potencia (kW) | | | | | |
|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 |
| BOX BV FILTER 7/7 | **811,70** | **833,80** | **839,90** | | | |
| BOX BV FILTER 9/9 | **971,80** | **993,90** | **1.000,00** | **1.054,80** | | |
| BOX BV FILTER 10/10 | **1.035,40** | **1.057,50** | **1.063,60** | **1.118,40** | **1.175,50** | |
| BOX BV FILTER 12/12 | **1.223,80** | **1.245,90** | **1.252,00** | **1.306,80** | **1.363,90** | **1.486,70** |

## FILTER | FILTROS

### FILTER FOR BOX BD/BV FILTER | FILTROS PARA BOX BD/BV FILTER



**CFF**

Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast

**ISO COARSE ≥60% (G4)**

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04013 | 440x331x20 | BOX BD-BV FILTER 7/7 | 1100 | 57 | **33,80** |
| FILTG04016 | 525x391x20 | BOX BD-BV FILTER 9/9 | 1600 | 57 | **37,90** |
| FILTG04018 | 570x443x20 | BOX BD-BV FILTER 10/10 | 1900 | 57 | **41,10** |
| FILTG04020 | 640x522x20 | BOX BD-BV FILTER 12/12 | 2500 | 57 | **47,00** |

KUBALIK CO2

AIR RENEWAL AND CO2 REDUCTION KIT



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Brochure
Folleto

CO2 KUBALIK

# TWIN BOX BD



ErP 60 +info Hz

## DOUBLE CENTRIFUGAL IN SOUNDPROOF CABINET

### MANUFACTURING FEATURES

- Impellers made of reinforced polyamide with fiber glass up to size 12/12. Size 15/15 made of galvanized steel sheet
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Equipped with inlet deflector wing, minimizing the turbulence and optimizing efficiency.
- Closed motors specially designed by Casals. Extruded aluminium motor housing. Totally enclosed wiring box IP-65. IP-54 motor protection and rated class F insulation. Standard voltages 230V 50 Hz for single phase and 230/400V 50Hz for three phase motors.
- Fans can run separately or simultaneously.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- 3 speed fans.
- LG0 position +10% RRP.
- Impeller made of galvanized sheet.
- Aluminium box up to size 12/12.

## DOBLE CENTRÍFUGO EN CAJA INSONORIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta tamaño 12/12. Resto de modelos turbina de chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Equipados con aleta deflectora en aspiración, minimizando la turbulencia y optimizando el rendimiento.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.
- Los ventiladores pueden funcionar separados o simultáneamente.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Motor 3 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.
- Caja en aluminio hasta tamaño 12/12.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**REG TWIN** pg.512
Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



**REG** pg.511
Speed controller for single phase motors.
Regulador de velocidad manual monofásico.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| TW251100551 | TWIN BOX BD 7/7 M4 0,13kW | 1370 | 2 x 1,55 | 2 x 0,13 | 3.700 | 59 | 36 | **1.002,60** |
| TW251220550 | TWIN BOX BD 9/9 M4 0,35kW | 1375 | 2 x 2,7 | 2 x 0,35 | 5.340 | 61 | 57 | **1.141,00** |
| TW251320550 | TWIN BOX BD 10/10 M4 0,59kW | 1340 | 2 x 4,50 | 2 x 0,59 | 7.580 | 64 | 64 | **1.241,70** |

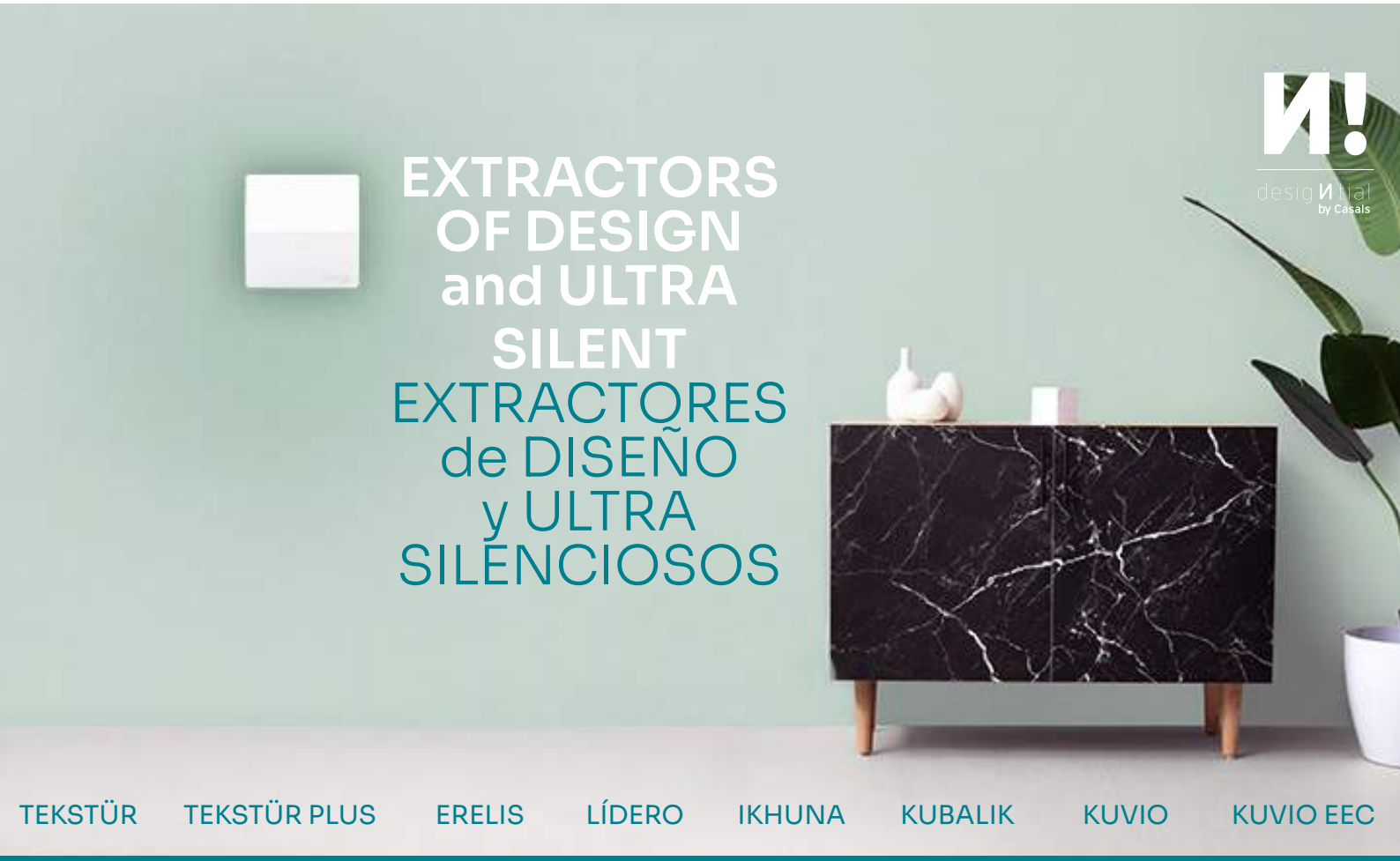
### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| TW251160550 | TWIN BOX BD 7/7 M6 0,04kW | 885 | 2 x 0,6 | 2 x 0,04 | 2.040 | 44 | 38 | **941,90** |
| TW251280551 | TWIN BOX BD 9/9 M6 0,13kW | 940 | 2 x 1,3 | 2 x 0,13 | 4.260 | 53 | 53 | **1.289,40** |
| TW251370551 | TWIN BOX BD 10/10 M6 0,21kW | 945 | 2 x 2,1 | 2 x 0,21 | 5.440 | 56 | 65 | **1.389,50** |
| TW251520551 | TWIN BOX BD 12/12 M6 0,76kW | 950 | 2 x 6,7 | 2 x 0,76 | 11.920 | 59 | 93 | **1.787,20** |

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| TW251520153 | TWIN BOX BD 12/12 T6 1,1kW | 945 | 2x6,54 | 2x3,78 | 2x1,1 | 6.090 | 59 | 97 | **1.696,50** |
| TW252370157 | TWIN BOX BD 15/15 T6 2,2kW | 900 | 2x10,92 | 2x6,31 | 2x2,2 | 10.450 | 61 | 140 | **2.736,90** |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).
* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).




TEKSTÜR TEKSTÜR PLUS ERELIS LÍDERO IKHUNA KUBALIK KUVIO KUVIO EEC

Brochure

Folleto

# TWIN BOX BD PLUS



ErP 60 +info Hz

## DOUBLE CENTRIFUGAL IN SOUNDPROOF CABINET WITH SKIN INSULATION

### MANUFACTURING FEATURES

- Polyamide z reinforced with fiberglass for sizes 7/7, 9/9, 10/10 and 12/12. Rest of models made of galvanized steel sheet.
- BD series fans mounted in meeting boxes.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rock-wool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Cable exit through cable glands.
- Easy access by a side panel.
- Changeable rear, front or top inlet cover.
- Casals exclusive design closed motors with extruded aluminum housing, which makes the whole set of connections protected inside the terminal box integrated in the motor with degree of protection IP-65. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single-phase motors.

### APPLICATIONS

Designed for duct installation, indoor or outdoor, are indicated for:

- Renovation of air in all types of buildings and industries.
- Maximum continuous working temperature: 50ºC.

### UNDER REQUEST

- Impeller made of galvanized sheet.

## DOBLE CENTRÍFUGO EN CAJA INSONORIZADA CON PANEL SÁNDWICH

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos turbina de chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- Tapa de aspiración posterior, anterior o superior intercambiable.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con grado de protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltaje estándar 230V 50Hz.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.426
Frecuency speed controller.
Variador de velocidad frecuencial.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**REG TWIN** pg.512
Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



**REG** pg.511
Speed controller for single phase motors.
Regulador de velocidad manual monofásico.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| TW251100451 | TWIN BOX BD PLUS 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 53 | 49 | **1.371,20** |
| TW251270450 | TWIN BOX BD PLUS 9/7 M4 0,35KW | 1375 | 2,70 | 0,35 | 2.400 | 54 | 66 | **1.492,90** |
| TW251220450 | TWIN BOX BD PLUS 9/9 M4 0,35kW | 1375 | 2,70 | 0,35 | 2.670 | 55 | 68 | **1.541,00** |
| TW251340450 | TWIN BOX BD PLUS 10/8 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.260 | 57 | 82 | **1.610,70** |
| TW251320450 | TWIN BOX BD PLUS 10/10 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.790 | 58 | 86 | **1.654,00** |

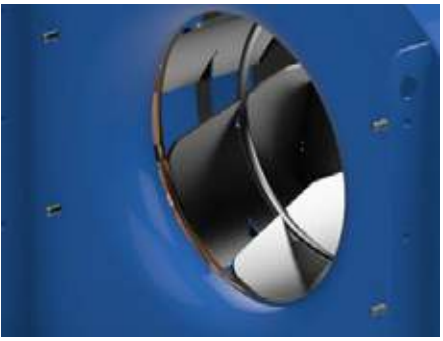
### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| TW251160450 | TWIN BOX BD PLUS 7/7 M6 0,04kW | 885 | 0,60 | 0,04 | 1.020 | 38 | 51 | **1.292,50** |
| TW251280451 | TWIN BOX BD PLUS 9/9 M6 0,13kW | 940 | 1,30 | 0,13 | 2.130 | 47 | 68 | **1.639,00** |
| TW251370451 | TWIN BOX BD PLUS 10/10 M6 0,21kW | 945 | 2,10 | 0,21 | 2.820 | 50 | 86 | **1.710,30** |
| TW251600452 | TWIN BOX BD PLUS 12/9 M6 0,76kW | 950 | 6,70 | 0,76 | 5.540 | 53 | 105 | **2.138,10** |
| TW251520451 | TWIN BOX BD PLUS 12/12 M6 0,76kW | 950 | 6,70 | 0,76 | 5.960 | 53 | 111 | **2.123,40** |

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| TW251600451 | TWIN BOX BD PLUS 12/9 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 5.480 | 53 | 109 | **2.013,70** |
| TW251520453 | TWIN BOX BD PLUS 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.090 | 53 | 111 | **2.017,80** |
| TW252370457 | TWIN BOX BD PLUS 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10.450 | 58 | 155 | **3.241,80** |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).
* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).









NIMUS ATEX  PRESTUR ATEX

Folleto

Storm industrial

Brochure

# TWIN BOX BD EEC



ErP | EEC PM motors | 50 & 60 Hz

## LOW PRESSURE DOUBLE CENTRIFUGAL FAN IN SOUNDPROOF CABINET WITH EEC MOTOR

### MANUFACTURING FEATURES

- Impellers made of reinforced polyamide with fiber glass.
- BD EEC range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.
- Fans can run separately or simultaneously.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- Impeller made of galvanized sheet.

## DOBLE CENTRÍFUGO DE BAJA PRESIÓN CON CAJA INSONORIZADA CON MOTOR EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BD EEC montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos).
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.
- Los ventiladores pueden trabajar de forma separada o simultáneamente.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**REG TWIN** pg.512
Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Outlet gravity shutter.
Persiana sobre presión metálica.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| TW251169554 | TWIN BOX BD 7/7 EEC | 2000 | 2x5 | 2x0,37 | 2.860 | 52 | 38 | **1.759,80** |
| TW251289554V2 | TWIN BOX BD 9/9 EEC | 2000 | 2x6 | 2x0,75 | 4.280 | 57 | 64 | **2.275,40** |
| TW251379554 | TWIN BOX BD 10/10 EEC | 1800 | 2x10 | 2x1,5 | 5.820 | 58 | 62 | **2.932,40** |
| TW251529554 | TWIN BOX BD 12/12 EEC | 1200 | 2x10 | 2x1,5 | 7.420 | 58 | 108 | **3.445,00** |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).
* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

# TWIN BOX BD PLUS EEC



ErP | EEC PM motors | 50 & 60 Hz

## DOUBLE CENTRIFUGAL FAN IN SOUNDPROOF BOX WITH SANDWICH PANELS

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass (models 7/7, 9/9, 10/10 and 12/12). Other models made of galvanized steel sheet.
- BD EEC range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Fan can be placed in any position by exchanging panels.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.
- Fans can run separately or simultaneously.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum continuous working temperature: 50ºC.

### UNDER REQUEST

- Impeller made of galvanized sheet.

## DOBLE CENTRÍFUGO EN CAJA INSONORIZADA, PANEL SÁNDWICH CON MOTOR EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio (modelos 7/7, 9/9, 10/10 y 12/12) resto de modelos con turbina en chapa de acero galvanizado.
- Ventiladores de la serie BD EEC montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- El ventilador se puede situar en cualquier posición mediante intercambio de paneles.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos).
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.
- Los ventiladores pueden trabajar de forma separada o simultáneamente.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Turbina de chapa galvanizada.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**TEJ** pg.497
Frecuency speed controller.
Variador de velocidad frecuencial.



**VIS pg.496**
Flange with bird guard.
Visera con malla antipájaros.



**PI pg.461**
Outlet gravity shutter.
Persiana sobre presión metálica.



**REG TWIN** pg.512
Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC



**CPCC+FILTERS pg.468**
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Máx. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. máx. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Peso Kg | P.V.P € |
| TW251169454EC | TWIN BOX BD PLUS 7/7 EEC | 2000 | 5 | 0,37 | 2.870 | 51 | **2.372,40** |
| TW251269454ECV2 | TWIN BOX BD PLUS 9/7 EEC | 2000 | 6 | 0,75 | 3.940 | 64 | **2.880,70** |
| TW251289454ECV2 | TWIN BOX BD PLUS 9/9 EEC | 2000 | 6 | 0,75 | 4.280 | 74 | **2.921,40** |
| TW251339454EC | TWIN BOX BD PLUS 10/8 EEC | 1800 | 10 | 1,5 | 5.970 | 76 | **3.512,50** |
| TW251379454EC | TWIN BOX BD PLUS 10/10 EEC | 1800 | 10 | 1,5 | 5.830 | 82 | **3.532,80** |
| TW251529454EC | TWIN BOX BD PLUS 12/9 EEC | 1200 | 10 | 1,5 | 6.440 | 112 | **4.181,10** |
| TW251609454EC | TWIN BOX BD PLUS 12/12 EEC | 1200 | 10 | 1,5 | 7.430 | 124 | **4.242,30** |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).
* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

# Calidad de aire en las escuelas







Air renewal
Renovación de aire

Air purification
Purificación de aire








Air recovery
Recuperación de energía

Folleto

Brochure

# Air quality in Schools

# TWIN BOX BV



ErP 60 +info Hz

## BELT DRIVEN DOUBLE CENTRIFUGAL IN SOUNDPROOF CABINET

### MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models are made of galvanized steel sheet.
- BV, BVC, BVCR range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.
- Fans can run separately or simultaneously.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum continuous working temperature: 60ºC.

### UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG0 position +10% RRP.
- Impeller made of galvanized sheet.
- Aluminium box up to size 12/12.

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

## DOBLE CENTRÍFUGO A TRANSMISIÓN EN CAJA INSONORIZADA DOBLE

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta el tamaño 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BV, BVC, BVCR montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Los ventiladores pueden trabajar por separado o simultáneamente.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.
- Caja en aluminio hasta el tamaño 12/12.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**REG TWIN** pg.512

Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**VIS** pg.496

Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461

Outlet gravity shutter.
Persiana sobre presión metálica.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 |
| TWIN BOX BV 7/7 | **1.545,00** | **1.591,60** | **1.604,70** | - | - | - | - | - | - |
| TWIN BOX BV 9/9 | **1.751,90** | **1.798,50** | **1.811,60** | **1.927,90** | - | - | - | - | - |
| TWIN BOX BV 10/10 | **1.846,20** | **1.892,80** | **1.905,90** | **2.022,20** | **2.143,00** | - | - | - | - |
| TWIN BOX BV 12/12 | **2.188,40** | **2.235,00** | **2.248,10** | **2.364,40** | **2.485,20** | **2.745,60** | - | - | - |
| TWIN BOX BV 15/15 | - | **3.145,10** | **3.158,20** | **3.274,50** | **3.395,30** | **3.655,70** | **3.889,30** | **4.234,40** | - |
| TWIN BOX BV 18/18 | - | - | - | **3.578,70** | **3.699,50** | **3.959,90** | **4.193,50** | **4.538,60** | **5.063,10** |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).
* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

Casals

VORTICE

# Power that moves the air... and whatever comes with it

# Potencia que mueve el aire... y lo que venga con él




## STORM BY CASALS FANS

From clean air to dust clouds with attitude, our industrial fans are up to any challenge.

- Clean or dusty air
- Solid material and fibers
- High temperature and ATEX environment

## VENTILADORES STORM BY CASALS

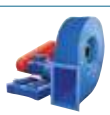
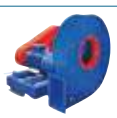
Desde aire limpio hasta nubes de polvo con actitud, nuestros ventiladores industriales se adaptan a cualquier desafío.

- Aire limpio o polvoriento
- Materia sólida y fibras
- Altas temperaturas y entornos ATEX

# º Centrifugal fans

# º Ventiladores centrífugos



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
|  BD |  BD EEC |  BD 3V |  BV |  BVC |  BVCR |  BST |  NIMUS |  NIMAX |  PRESTUR |  PREXTUR |
|  KASTORM |  MA 18-25 |  MA 26-31 |  MB |  MDE |  MBCA |  MBC |  MBRM |  MBRU |  MBGR |  MA P/R |
|  MB P/R |  MBZM P/R |  MDI |  MBP |  MBPC |  MBPN |  BSTB |  MTCA |  MTRL |  MTRM |  MTRU |
|  MTGR |  MTZM P/R |  NIMUS-TR |  AA |  AAVA |  AAVC |  AAVP |  AAVG/N |  AAVM |  AA P/R |  AAZA |
|  AAZB |  AAZC |  AATVA |  AATVP |  AATVM |  AATVC |  AATVG |  AATZA |  AATZB |  AATZC | |

# BD



ErP 60 +info Hz

## DOUBLE INLET

### MANUFACTURING FEATURES

- Galvanized steel sheet housing.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. The impeller of the rest of models are made of galvanized steel sheet.
- Double inlet forward curved impeller in all models.
- Supplied with mounting feet (included in price).
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Closed motors specially designed by Casals: extruded aluminium motor housing, wiring box fit in the motor with IP-65 protection. Motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50 Hz in single phase motors and 230/400V 50 Hz in three phase motors.
- Single phase motors with controllable voltage speed. Three phase motors controllable using a frecuency speed controller.

### APPLICATIONS

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC for single phase motors and 60ºC for three phase motors.

### UNDER REQUEST

- Impeller made of galvanized steel sheet.
- MBI assembled.

## DOBLE ASPIRACIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Envolvente en chapa galvanizada.
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- El ventilador se suministra con los pies soporte incluidos en el precio.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.
- Motores monofásicos regulables por tensión. Modelos trifásicos regulables mediante variador de frecuencia.

### APLICACIONES

Diseñados para ser integrados en equipos:

- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC para motores monofásicos y 60ºC para motores trifásicos.

### BAJO DEMANDA

- Turbina chapa galvanizada.
- MBI montado.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**INT** pg.515
Safety switch.
Interruptor de corte.



**REG** pg.511
Single phase manual speed controller.
Regulador de velocidad manual monofásico.



**MBI** pg.483
Outlet flange.
Marco brida impulsión.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**RM** pg.458
Motor guard.
Reja motor.



**RI** pg.457
Outlet guard.
Reja impulsión.

## SINGLE PHASE RANGE BD | SERIE MONOFÁSICA BD

ErP

### 4 pole | 4 polos

| Code | Model | Max. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Max. R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100261 | BD 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.940 | 58 | 9 | **396,00** |
| 251270260 | BD 9/7 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.540 | 59 | 15 | **429,60** |
| 251220260 | BD 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.820 | 60 | 12 | **469,10** |
| 251340260 | BD 10/8 M4 0,59kW | 1340 | 4,5 | 0,59 | 3.440 | 62 | 22 | **484,10** |
| 251320260 | BD 10/10 M4 0,59kW | 1340 | 4,5 | 0,59 | 4.010 | 63 | 22 | **519,60** |

### 6 pole | 6 polos

| Code | Model | Max. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Max R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251160260 | BD 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.080 | 43 | 9 | **356,30** |
| 251260261 | BD 9/7 M6 0,13kW | 940 | 1,3 | 0,13 | 2.060 | 49 | 14 | **576,80** |
| 251280261 | BD 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.250 | 52 | 15 | **574,20** |
| 251330261 | BD 10/8 M6 0,21kW | 945 | 2,1 | 0,21 | 2.630 | 55 | 17 | **574,20** |
| 251370261 | BD 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.870 | 56 | 15,50 | **598,10** |
| 251600261 | BD 12/9 M6 0,76kW | 950 | 6,7 | 0,76 | 5.840 | 58 | 21 | **880,30** |
| 251520261 | BD 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 6.280 | 59 | 27 | **868,80** |

## THREE PHASE RANGE BD | SERIE TRIFÁSICA BD
### 6 pole | 6 polos

ErP

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251600161 | BD 12/9 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.200 | 59 | 26 | **753,90** |
| 251520160 | BD 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.450 | 59 | 27 | **757,10** |
| 252370106 | BD 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10.600 | 64 | 57 | **1.435,50** |

# > TEKSTÜR *Plus*

> EXTRACTOR DE **ALTA GAMA** CON
COMPUERTA AUTOMÁTICA ANTIRRETORNO <

> **HIGH-END** EXTRACTOR
WITH **AUTOMATIC BACKDRAUGHT DAMPER** <



Casals
soul made fans

# BD EEC



## DOUBLE INLET CENTRIFUGAL FAN WITH ELECTRONIC MOTOR EEC

### MANUFACTURING FEATURES

- Galvanized steel sheet housing.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. Galvanized steel sheet impeller for all range.
- Double inlet forward curved impeller.
- Supplied with mounting feet (included in price).
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.

### APPLICATIONS

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- Galvanized sheet impeller.
- MBI assembled.

## CENTRÍFUGO DE DOBLE ASPIRACIÓN CON MOTOR ELECTRÓNICO EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Envolvente en chapa galvanizada.
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- El ventilador se suministra con los pies soporte incluidos en el precio.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos.
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.

### APLICACIONES

Diseñados para ser integrados en equipos:

- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Turbina chapa galvanizada.
- MBI montado.

## ACCESSORIES | ACCESORIOS



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**RM** pg.458
Motor guard.
Reja motor.



**RI** pg.457
Outlet guard.
Reja impulsión.



**MBI** pg.483
Outlet flange.
Marco brida impulsión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC



**REG FILTER** pg.513
Constant pressure fan control
Regulador de ventilador a presión constante

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Máx. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound 1,5m dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. máx | I nom. (A) 230V | Potencia kW | Q máx. m³/h | Sonido 1,5m dB (A) | Peso Kg | P.V.P € |
| 251109261C200 | BD 7/7 EEC | 2000 | 5,00 | 0,37 | 2.970 | 45 | 10 | **650,90** |
| 251269261C200V2 | BD 9/7 EEC | 2000 | 6,00 | 0,75 | 3.900 | 51 | 14,50 | **817,00** |
| 251289261C200V2 | BD 9/9 EEC | 2000 | 6,00 | 0,75 | 4.250 | 52 | 15 | **831,80** |
| 251339261C180 | BD 10/8 EEC | 1800 | 10,00 | 1,50 | 5.860 | 55 | 20 | **1.077,50** |
| 251379261C180 | BD 10/10 EEC | 1800 | 10,00 | 1,50 | 6.200 | 54 | 21 | **1.084,60** |
| 251529261C120 | BD 12/9 EEC | 1200 | 10,00 | 1,50 | 6.320 | 54 | 25 | **1.180,50** |
| 251609261C120 | BD 12/12 EEC | 1200 | 10,00 | 1,50 | 7.110 | 53 | 34 | **1.187,60** |

# BD 3V



ErP

## DOUBLE INLET, 3 SPEED MOTOR

### MANUFACTURING FEATURES
- Galvanized steel sheet housing.
- Double inlet forward curved impeller.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. Galvanized steel sheet impeller for all range.
- Supplied with mounting feet included in price.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Closed 3 speed motors specially designed by Casals: extruded aluminium motor housing, wiring box fit in the motor with IP-65 protection. Motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50 Hz in single phase motors.
- Thermal protector included.

### APPLICATIONS
Designed for assembly in equipment:
- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum continuous working temperature: 50ºC.

### UNDER REQUEST
- Impeller made of galvanized steel sheet.
- MBI assembled.

## DOBLE ASPIRACIÓN, MOTOR DE 3 VELOCIDADES

### CARACTERÍSTICAS CONSTRUCTIVAS
- Envolvente en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos en chapa galvanizada.
- El ventilador se suministra con los pies soporte incluidos en el precio.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flectores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motores cerrados de 3 velocidades de diseño exclusivo Casals: carcasa de aluminio extruido, conjunto de conexiones protegido dentro de la caja de bornes, integrada en el motor, con grado de protección IP-65. Motor con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos.
- Protector térmico incorporado en el devanado.

### APLICACIONES
Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales. Uso en aportación o en extracción con previo filtrado de grasas.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA
- Turbina chapa galvanizada.
- MBI montado.

## ACCESSORIES | ACCESORIOS



**INT 3V** pg.516
4 steps start-stop switch selector.
Interruptor de paro-marcha de cuatro posiciones.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RI** pg.457
Outlet guard.
Reja impulsión.



**MBI** pg.483
Outlet flange.
Marco brida impulsión.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**RM** pg.458
Motor guard.
Reja motor.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h S. 1/2/3 | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 230V | P. nom. kW | Q máx. m³/h Vel. 1/2/3 | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100268 | BD 7/7 M4 0,12kW 3V | 1126 / 1266 / 1360 | L1=1,5 L2=0,9 L3=0,6 | 0,12 | 720 / 1.050 / 1.739 | 53 | 9 | **460,40** |
| 251270268 | BD 9/7 M4 0,35kW 3V | 1167 / 1260 / 1400 | L1=3,2 L2=2,4 L3=1,6 | 0,35 | 1.070 / 1.740 / 2.620 | 66 | 15 | **606,20** |
| 251220268 | BD 9/9 M4 0,35kW 3V | 1167 / 1260 / 1400 | L1=3,2 L2=2,4 L3=1,6 | 0,35 | 1.200 / 1.900 / 2.919,10 | 53 | 16 | **609,80** |
| 251340268 | BD 10/8 M4 0,59kW 3V | 1032 / 1216 / 1400 | L1=4,96 L2=2,9 L3=2 | 0,59 | 1.130 / 1.620 / 3.235 | 68 | 20 | **628,50** |
| 251320268 | BD 10/10 M4 0,59kW 3V | 1032 / 1216 / 1400 | L1=4,96 L2=2,9 L3=2 | 0,59 | 1.638 / 3.515 / 3.700 | 57 | 22 | **634,60** |

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h S. 1/2/3 | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 230V | P. nom. kW | Q máx. m³/h Vel. 1/2/3 | Sonido dB (A) | Peso Kg | P.V.P € |
| 251600268 | BD 12/9 M6 0,79kW 3V | 749 / 812 / 860 | L1=6,5 L2=4,1 L3=3 | 0,79 | 2.520 / 4.140 / 5.954 | 63 | 26 | **921,40** |
| 251520268 | BD 12/12 M6 0,79kW 3V | 749 / 812 / 860 | L1=6,5 L2=4,1 L3=3 | 0,79 | 2.500 / 4.200 / 6.230 | 62 | 27 | **929,80** |

# BV | BVC | BVCR



**BV**



**BVC**



**BVCR**

## DOUBLE INLET, FREE SHAFT WITHOUT MOTOR

### MANUFACTURING FEATURES

- Galvanized steel sheet housing.
- Double inlet forward curved impeller in all models.
- BV fan supplied with supports (included in price) except for sizes 15/15 (39/39) and 18/18 (47/47).
- Transmission shaft with anticorrosion treatment.
- Supplied with free shaft.
- Transmission shaft standing out on both sides of the fan to allow motor, pulleys and belts assembly.
- BV/BVC: Impellers made of polyamide reinforced with fibreglass for sizes 7/7, 9/9, 10/10 and 12/12; rest of models made of galvanized steel sheet. Ball bearings permanently greased on rubber rings.
- BVC: Reinforced cubic assembly with lateral panels and a bearings base plate.
- BVCR: Fan with reinforced structure and bridge bearings supported on the rigid structure.

### APPLICATIONS

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 100ºC.

### UNDER REQUEST

- Metallic impeller.
- MBI assembled (BV).

## DOBLE ASPIRACIÓN, EJE LIBRE SIN MOTOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Envolventes fabricados en chapa galvanizada.
- Turbina multipala de álabes curvada hacia delante de doble oído.
- El ventilador BV se suministrará con los pies soportes incluidos en el precio excepto en los tamaños 15/15 y 18/18.
- Eje transmisión con tratamientos anticorrosión.
- El ventilador se suministra a eje libre.
- Eje de la transmisión que sobresale por los dos lados para permitir el montaje de poleas y correas
- BV/BVC: Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12; resto de modelos en chapa galvanizada. Ventilador con rodamientos a bolas de engrase permanente montados en aro de goma para evitar vibraciones.
- BVC: Montaje tipo CUBIC con paneles laterales que refuerzan todo el conjunto del ventilador.
- BVCR: Ventilador con turbina metálica, estructura reforzada y rodamientos de puente rígido soportados sobre la estructura

### APLICACIONES

Diseñados para ser integrados en equipos:

- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 100ºC.

### BAJO DEMANDA

- Turbina metálica.
- Marco MBI montado (BV).

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**MBI** pg.483

Outlet flange.
Marco brida impulsión.



**PI** pg.461

Gravitty shutter.
Persiana de sobrepresión.



**JE 45** pg.484

Flexible joint.
Junta elástica.



**SIL-C** pg.505

Duct circular silencer.
Silenciador circular conducto.



**RI** pg.457

Outlet guard.
Reja impulsión.



**TM** pg.478

Motor tensioning device.
Soporte tensor motor.



**S** pg.473

Mounting support for low pressure fans.
Pie soporte para ventiladores de baja presión.



**BS** pg.473

Motor support kit.
kit soporte motor.

Casals
soul made fans

| Code | Model | R.P.M. | Máx. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 252090165 | BV 7/7 | 800/2000 | 1,1 | 3.590 | 64 | 6 | **165,00** |
| 252190165 | BV 9/7 | 600/1500 | 1,5 | 4.840 | 62 | 8 | **188,80** |
| 252180165 | BV 9/9 | 600/1500 | 1,5 | 5.720 | 65 | 9 | **191,90** |
| 252220165 | BV 10/8 | 600/1300 | 1,5 | 6.000 | 64 | 11 | **201,10** |
| 252210165 | BV 10/10 | 600/1300 | 2,2 | 7.450 | 67 | 12 | **206,30** |
| 252310160 | BV 12/9 | 500/1200 | 3 | 9.120 | 68 | 17 | **245,40** |
| 252300160 | BV 12/12 | 500/1200 | 3 | 10.500 | 71 | 20 | **258,30** |
| 252370160 | BV 15/15 | 400/1100 | 4 | 14.880 | 72 | 31 | **450,40** |
| 252450160 | BV 18/18 | 400/900 | 5,5 | 24.400 | 70 | 42 | **525,30** |

| Code | Model | R.P.M. | Máx. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 252180180 | BVC 9/9 | 600/1500 | 1,5 | 5.720 | 65 | 12 | **292,50** |
| 252210180 | BVC 10/10 | 600/1300 | 2,2 | 7.450 | 67 | 14 | **317,50** |
| 252300180 | BVC 12/12 | 500/1200 | 3 | 10.500 | 71 | 22 | **367,90** |
| 252370180 | BVC 15/15 | 400/1100 | 4 | 14.800 | 72 | 33 | **582,70** |
| 252450180 | BVC 18/18 | 400/900 | 5,5 | 24.500 | 70 | 45 | **680,40** |

| Code | Model | R.P.M. | Máx. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 252370190 | BVCR 15/15 | 1400 | 5,5 | 15.150 | 72 | 34 | **754,20** |
| 252450190 | BVCR 18/18 | 1200 | 7 | 24.400 | 70 | 46 | **948,30** |
| 252550190 | BVCR 20/20 | 900 | 9 | 25.070 | 72 | 84 | **1.494,40** |
| 252650190 | BVCR 22/22 | 900 | 11,5 | 30.300 | 70 | 94 | **1.588,90** |
| 252750190 | BVCR 25/25 | 700 | 13 | 46.800 | 67 | 113 | **1.833,30** |
| 252950190 | BVCR 30/28 | 600 | 15 | 62.670 | 72 | 145 | **2.286,90** |

50 Hz

60 Hz

fanware
powered by Casals

Free product selection software

Software gratuito de selección de productos

# BST



## DOUBLE INLET, FREE SHAFT WITHOUT MOTOR

### MANUFACTURING FEATURES
- Fully made of galvanized steel sheet.
- Simple inlet forward curved impeller in all models.
- Transmission shaft with anticorrosion treatment.
- BST: standard bearing support.
- BSTR: reinforced bearing support.

### APPLICATIONS
Designed for assembly in equipment:
- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: carried air: 130ºC.

## DOBLE ASPIRACIÓN, EJE LIBRE SIN MOTOR

### CARACTERÍSTICAS CONSTRUCTIVAS
- Ventiladores totalmente fabricados en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de simple oído.
- Eje de transmisión con tratamiento anticorrosión.
- BST: soporte rodamiento estándar.
- BSTR: soporte rodamiento reforzado.

### APLICACIONES
Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h. flexible.Brida antivibratoria 400º/2h.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.

| Code * | Model | R.P.M. | Máx. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código * | Modelo | R.P.M. | Pot. máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 501300900 | BST 9/4 | 1200/2800 | 2 | 2.800 | 72 | 10 | **432,20** |
| 508401000 | BST 10/5 | 1000/2300 | 2,5 | 3.400 | 70 | 11 | **452,40** |
| 508401200 | BST 12/6 | 800/1800 | 3 | 4.500 | 66 | 15 | **528,50** |
| 508401500 | BST 15/7 | 600/1500 | 4 | 7.000 | 74 | 23 | **602,90** |
| 508401800 | BST 18/9 | 500/1200 | 5 | 9.000 | 69 | 30 | **729,70** |
| 508402000 | BSTR 20/10 | 400/900 | 7 | 12.000 | 66 | 68 | **1.555,50** |
| 508402200 | BSTR 22/11 | 400/900 | 7 | 16.000 | 71 | 75 | **1.679,60** |
| 508402500 | BSTR 25/13 | 350/700 | 10 | 20.000 | 62 | 89 | **1.960,60** |
| 508403000 | BSTR 30/14 | 300/600 | 11 | 28.000 | 67 | 120 | **2.353,70** |

* Code refers RD position | Los códigos indicados hacen referencia a modelo RD

# NIMUS




**NIMUS 311- 451**




**NIMUS 501-1402**

ErP 60 +info Hz

## CENTRIFUGAL FAN, FOR CLEAN OR SLIGHTLY DUSTY AIR

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers. IE4 motors for 75kW power or higher.
- Motor (B3) with feet and support base.
- Models from 500 are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following guidelines (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: transported air 130ºC, ambient 60ºC.

### APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in duct for supply or extract air.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

### UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticaloric painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage system.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC.

### APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para instalarse en conducto para la aspiración o la impulsión.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticalórica.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.
- Paso de aire antichispas y motor estándar.



**BOX NIMUS**

*** UNDER REQUEST**
NIMUS + AB (Acoustic box)

*** BAJO DEMANDA**
NIMUS + AB (caja acústica)

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**EIS** pg.482
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**CPD** pg.475
Frontal feet suport.
Conjunto pie soporte delantero.



**CPDMP** pg.476
Multiposition frontal feet support.
Conjunto pie frontal multiposición.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código * | Modelo | R.P.M. nom | I nom. (A) | | Potencia nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| NS311280 | NIMUS 311 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 4.720 | 58 | 34,97 | **1.739,70** |
| NS351290 | NIMUS 351 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 6.750 | 62 | 44,12 | **1.971,60** |
| NS4012100 | NIMUS 401 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 9.660 | 66 | 61,47 | **2.412,10** |
| NS4512132 | NIMUS 451 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 13.750 | 69 | 86,03 | **3.107,80** |
| NS5012160 | NIMUS 501 T2 11kW | 2940 | - | 20,8 | 11,00 | 18.850 | 73 | 110,05 | **4.372,60** |

### 4 pole | 4 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código * | Modelo | R.P.M. nom | I nom. (A) | | Potencia nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| NS311471 | NIMUS 311 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 2.360 | 43 | 34,50 | **1.631,10** |
| NS351471 | NIMUS 351 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.380 | 47 | 43,16 | **1.756,40** |
| NS401480 | NIMUS 401 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 4.830 | 51 | 55,47 | **1.987,90** |
| NS451480 | NIMUS 451 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 6.880 | 54 | 69,17 | **2.257,20** |
| NS501490 | NIMUS 501 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 9.430 | 57 | 87,37 | **2.595,90** |
| NS5614100 | NIMUS 561 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 13.250 | 61 | 121,40 | **3.034,80** |
| NS6314112 | NIMUS 631 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 18.860 | 65 | 150,22 | **3.771,90** |
| NS7114132 | NIMUS 711 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 26.990 | 68 | 202,22 | **4.889,30** |
| NS8014160 | NIMUS 801 T4 15kW | 1465 | - | 29,8 | 15,00 | 38.610 | 72 | 266,35 | **7.025,00** |
| NS9014200 | NIMUS 901 T4 30kW | 1475 | - | 56,3 | 30,00 | 54.970 | 75 | 369,35 | **9.985,90** |
| NS10014225 | NIMUS 1001 T4 45kW | 1475 | - | 80,7 | 45,00 | 75.400 | 79 | 438,91 | **12.680,80** |

### 6 pole | 6 polos

| Code * | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| NS501680 | NIMUS 501 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 6.290 | 49 | 86,82 | **2.437,00** |
| NS561690 | NIMUS 561 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 8.830 | 52 | 114,84 | **2.942,70** |
| NS6316100 | NIMUS 631 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 12.570 | 56 | 149,63 | **3.487,50** |
| NS7116112 | NIMUS 711 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 17.990 | 59 | 189,97 | **4.346,90** |
| NS8016132 | NIMUS 801 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 25.740 | 63 | 252,46 | **5.788,00** |
| NS9016160 | NIMUS 901 T6 7,5kW | 965 | - | 15,2 | 7,50 | 36.650 | 67 | 323,75 | **7.597,80** |
| NS10016180 | NIMUS 1001 T6 15kW | 970 | - | 27,7 | 15,00 | 50.270 | 70 | 399,93 | **9.813,40** |
| NS501611281 | NIMUS 1121 T6 30kW | 985 | - | 54,4 | 30,00 | 68.410 | 71 | 1153 | **24.880,30** |
| NS501611282 | NIMUS 1122 T6 37kW | 985 | - | 66,8 | 37,00 | 75.610 | 67 | 1242 | **26.319,90** |
| NS501612586 | NIMUS 1251 T6 55kW | 985 | - | 102,00 | 55,00 | 97.210 | 74 | 1739 | **34.296,40** |
| NS501612588 | NIMUS 1252 T6 75kW | 990 | - | 135,10 | 75,00 | 108.010 | 76 | 1960 | **43.012,60** |
| NS501614106 | NIMUS 1401 T6 90kW | 990 | - | 159,90 | 90,00 | 122.410 | 77 | 2342 | **50.046,50** |
| NS501614107 | NIMUS 1402 T6 110kW | 990 | - | 195,00 | 110,00 | 140.010 | 77 | 2363 | **53.592,50** |

* This code corresponds to the LG270 model | Este código corresponde al modelo LG270

# NIMAX



NIMAX 314-454



NIMAX 504-1004

ErP

60 +info Hz

## BACKWARD CENTRIFUGAL FAN, FOR CLEAN OR SLIGHTLY DUSTY AIR

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- The size of the centrifugal impeller and casing is larger than a NIMUS, which increases the performance of the unit.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor (B3) with feet and support base.
- Models from 500 are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following guidelines (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: transported air 130ºC, ambient 60ºC.

### APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in the suction or discharge duct.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

### UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticaloric painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage systems.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

## VENTILADOR CENTRÍFUGO A REACCIÓN, PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- El tamaño de la turbina centrífuga y la caja de viento es de mayores dimensiones que un NIMUS, con lo que se consigue incrementar las prestaciones de la máquina.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC.

### APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para instalarse en conducto para la aspiración o la impulsión.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticalórica.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.
- Paso de aire antichispas y motor estándar.



BOX NIMAX

*** UNDER REQUEST**
NIMUS + AB (Acoustic box)

*** BAJO DEMANDA**
NIMUS + AB (caja acústica)

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**EIS** pg.482
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**CPD** pg.475
Frontal feet suport.
Conjunto pie soporte delantero.



**CPDMP** pg.476
Multiposition frontal feet support.
Conjunto pie frontal multiposición.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| NX314290 | NIMAX 314 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.510 | 60 | 36,89 | **1.817,20** |
| NX3542100 | NIMAX 354 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 7.880 | 64 | 50,47 | **2.172,70** |
| NX4042132 | NIMAX 404 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 11.270 | 67 | 75,16 | **2.756,60** |
| NX4542160 | NIMAX 454 T2 11kW | 2940 | - | 20,8 | 11,00 | 16.040 | 71 | 90,43 | **4.158,20** |
| NX5042160 | NIMAX 504 T2 15kW | 2935 | - | 27,4 | 15,00 | 22.010 | 74 | 116,85 | **4.637,50** |

### 4 pole | 4 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| NX314471 | NIMAX 314 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 2.760 | 45 | 36,04 | **1.654,30** |
| NX354471 | NIMAX 354 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.940 | 49 | 45,26 | **1.785,80** |
| NX404480 | NIMAX 404 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.640 | 52 | 57,89 | **2.023,30** |
| NX454490 | NIMAX 454 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 8.020 | 56 | 72,87 | **2.333,10** |
| NX5044100 | NIMAX 504 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 11.010 | 59 | 97,23 | **2.801,10** |
| NX5644100 | NIMAX 564 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 15.460 | 63 | 126,18 | **3.181,60** |
| NX6344132 | NIMAX 634 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 22.010 | 66 | 170,69 | **4.127,50** |
| NX7144160 | NIMAX 714 T4 11kW | 1455 | - | 21,2 | 11,00 | 31.500 | 70 | 222,65 | **5.868,40** |
| NX8044180 | NIMAX 804 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 45.060 | 73 | 279,93 | **7.927,50** |
| NX9044225 | NIMAX 904 T4 37kW | 1470 | - | 69,2 | 37,00 | 64.160 | 77 | 382,71 | **11.338,00** |
| NX10044250 | NIMAX 1004 T4 55kW | 1475 | - | 97,1 | 55,00 | 88.010 | 80 | 464,82 | **14.172,40** |

### 6 pole | 6 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| NX504680 | NIMAX 504 T6 0,75kW | 900 | 3,39 | 1,95 | 0,75 | 7.340 | 50 | 90,72 | **2.581,30** |
| NX564690 | NIMAX 564 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 10.310 | 54 | 119,71 | **3.013,70** |
| NX6346112 | NIMAX 634 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 14.680 | 57 | 156,23 | **3.770,90** |
| NX7146132 | NIMAX 714 T6 3kW | 960 | 12,7 | 7,3 | 3,00 | 21.000 | 61 | 209,71 | **4.764,40** |
| NX8046132 | NIMAX 804 T6 5,5kW | 960 | - | 12,8 | 5,50 | 30.040 | 65 | 262,16 | **6.084,60** |
| NX9046160 | NIMAX 904 T6 11kW | 965 | - | 22,6 | 11,00 | 42.780 | 68 | 342,35 | **8.155,60** |
| NX10046200 | NIMAX 1004 T6 18,5kW | 975 | - | 35,7 | 18,50 | 58.680 | 71 | 450,85 | **10.695,60** |

* This code corresponds to the LG270 model | Este código corresponde al modelo LG270

# PRESTUR




ErP 60 +info Hz

## MEDIUM PRESSURE FAN FOR PAINT WORKSHOPS

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor with flange (B5) and airtight shaft.
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum continuous working temperature: transported air 130ºC, ambient 60ºC.

### APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in the suction or discharge duct.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

### UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticaloric painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage systems.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

## VENTILADOR CENTRÍFUGO DE MEDIA PRESIÓN IDEAL PARA CABINAS DE PINTURA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Doble brida de aspiración.
- Disponible en las siguientes orientaciones (a indicar en el pedido): LG y RD.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC.

### APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticalórica.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores y sonda PT.
- Paso de aire antichispas y motor estándar.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



**EIS** pg.482
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.



**CPS** pg.500
Elbow for STORM fans.
Codo para ventiladores STORM.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PS311280 | PRESTUR 311 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 4.720 | 58 | 56 | **1.588,90** |
| PS351290 | PRESTUR 351 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 6.750 | 62 | 85 | **1.813,60** |
| PS4012100 | PRESTUR 401 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 9.660 | 66 | 108,50 | **2.213,60** |

### 4 pole | 4 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PS311471 | PRESTUR 311 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 2.360 | 43 | 46,20 | **1.477,30** |
| PS351471 | PRESTUR 351 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.380 | 47 | 66,20 | **1.595,80** |
| PS401480 | PRESTUR 401 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 4.830 | 51 | 79 | **1.821,70** |
| PS451480 | PRESTUR 451 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 6.880 | 54 | 95 | **2.091,90** |
| PS501490 | PRESTUR 501 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 9.430 | 57 | 122 | **2.452,60** |
| PS5614100 | PRESTUR 561 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 13.250 | 61 | 154 | **2.772,00** |
| PS6314112 | PRESTUR 631 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 18.860 | 65 | 200,80 | **3.368,10** |
| PS7114132 | PRESTUR 711 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 26.990 | 68 | 308 | **4.425,30** |
| PS8014160 | PRESTUR 801 T4 15kW | 1465 | - | 29,8 | 15,00 | 38.610 | 72 | 430 | **6.546,70** |

* This code corresponds to the LG model | Este código corresponde al modelo LG

# PREXTUR



ErP 60 +info Hz

## CENTRIFUGAL MEDIUM PRESSURE FAN FOR PAINT WORKSHOPS

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- The size of the centrifugal impeller and casing is larger than a PRESTUR, which increases the performance of the unit.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor with flange (B5) and airtight shaft.
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum continuous working temperature: transported air 130ºC, environment 60ºC.

### APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in the suction or discharge duct.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

### UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticaloric painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage systems.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

## VENTILADOR CENTRÍFUGO DE MEDIA PRESIÓN IDEAL PARA CABINAS DE PINTURA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- El tamaño de la turbina centrífuga y la caja de viento es de mayores dimensiones que un PRESTUR, con lo que se consigue incrementar las prestaciones de la máquina.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Doble brida de aspiración.
- Disponible en las siguientes orientaciones (a indicar en el pedido): LG y RD.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticalórica.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores y sonda PT.
- Paso de aire antichispas y motor estándar.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



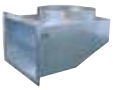
**EIS** pg.482
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.



**CPS** pg.500
Elbow for STORM fans.
Codo para ventiladores STORM.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PX314290 | PREXTUR 314 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.510 | 60 | 69,50 | **1.665,80** |
| PX3542100 | PREXTUR 354 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 7.880 | 64 | 107,50 | **1.982,60** |
| PX4042132 | PREXTUR 404 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 11.270 | 67 | 147 | **2.490,90** |

### 4 pole | 4 polos

| Code * | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código * | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PX314471 | PREXTUR 314 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 2.760 | 45 | 52,20 | **1.502,70** |
| PX354471 | PREXTUR 354 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.940 | 49 | 75,20 | **1.625,20** |
| PX404480 | PREXTUR 404 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.640 | 52 | 88 | **1.857,10** |
| PX454490 | PREXTUR 454 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 8.020 | 56 | 112 | **2.164,60** |
| PX5044100 | PREXTUR 504 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 11.010 | 59 | 146 | **2.613,80** |
| PX5644100 | PREXTUR 564 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 15.460 | 63 | 166 | **2.923,60** |
| PX6344132 | PREXTUR 634 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 22.010 | 66 | 247 | **3.662,70** |
| PX7144160 | PREXTUR 714 T4 11kW | 1455 | - | 21,2 | 11,00 | 31.500 | 70 | 355 | **5.408,90** |

* This code corresponds to the LG model | Este código corresponde al modelo LG

# KASTORM




ErP 60 +info Hz

## SINGLE INLET MEDIUM PRESSURE FAN WITH DIRECT COUPLING. ROBUST, COMPACT AND CUBIC

### MANUFACTURING FEATURES

- Reinforced cubic housing made of carbon laminated steel, protected against corrosion by powder coating of RAL 5010 polyester resin. C3 finish.
- Self-cleaning and reinforced impeller with high-performance backward blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. RAL 9005 painting.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5) and waterproof shaft.
- Maximum continuous working temperature: transported air: 130ºC, ambient: 60ºC.
- Available positions (to be indicated in case of order, to maintain the connection box on the top): LG270, LG0, LG90, LG180. RD 270, RD0, RD90, RD180.
- The indicated codes correspond to the model in position LG270.

### APPLICATIONS

Suitable for moving clean or dusty air. Designed to be fixed on the double suction flange, with the motor in an upright position.

- Paint booths
- Dust Collection
- Food industry dryers
- Food processing
- Incineration
- Odor control in industry
- Indoor/outdoor pollution control
- Big buildings
- Malls
- Factories/Industrial buildings
- Warehouses
- Fume extraction
- Boilers and ovens
- Manufacture and treatment of chemical products
- Tunnels, underground stations

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- 6-pole motor.
- C4-C5 paint finish
- Hot dip galvanized
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Refrigeration roll
- Anti-caloric paint
- Fully welded housing (waterproof)
- Inspection door for easy maintenance and cleaning
- Sewer system
- Spark air passage and standard motor
- Other motor brands

## MEDIA PRESIÓN DE SIMPLE ASPIRACIÓN Y ACOPLAMIENTO DIRECTO. ROBUSTO, COMPACTO Y CÚBICO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa cúbica reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC.
- Posiciones disponibles (a indicar en caso de pedido, para mantener la caja de conexiones en la parte superior): LG270, LG0, LG90, LG180. RD 270, RD0, RD90, RD180.
- Los códigos indicados corresponden al modelo en posición LG270.

### APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.

- Cabinas de pintura
- Recogida de polvo
- Secadores de la industria alimenticia
- Procesamiento de alimentos
- Incineración
- Control de olores en industria
- Control de polución interior/exterior
- Grandes edificios
- Centros comerciales
- Fábricas/Naves industriales
- Almacenes
- Extracción de humos
- Calderas y hornos
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Motor 6 Polos.
- Acabado pintura C4-C5
- Galvanizado en caliente
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Rodete de refrigeración
- Pintura anticalórica
- Carcasa totalmente soldada (estanca)
- Puerta inspección para facilitar el mantenimiento y la limpieza
- Drenaje
- Paso de aire antichispas y motor estándar
- Otras marcas de motores

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | Potencia nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PSCU311280 | KASTORM 311 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 4.720 | 58 | 51,16 | **2.101,70** |
| PXCU314290 | KASTORM 314 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.510 | 60 | 54,21 | **2.183,20** |
| PSCU351290 | KASTORM 351 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 6.750 | 62 | 64,81 | **2.395,30** |
| PXCU3542100 | KASTORM 354 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 7.880 | 64 | 68,90 | **2.586,80** |
| PSCU4012100 | KASTORM 401 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 9.660 | 66 | 83,52 | **2.985,30** |
| PXCU4042132 | KASTORM 404 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 11.270 | 67 | 98,59 | **3.212,20** |

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | Potencia nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PSCU311471 | KASTORM 311 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 2.360 | 43 | 49,99 | **1.972,20** |
| PXCU314471 | KASTORM 314 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 2.760 | 45 | 51,12 | **1.993,90** |
| PSCU351471 | KASTORM 351 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.380 | 47 | 61,67 | **2.142,50** |
| PXCU354471 | KASTORM 354 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.940 | 49 | 63,67 | **2.171,90** |
| PSCU401480 | KASTORM 401 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 4.830 | 51 | 78,75 | **2.443,40** |
| PXCU404480 | KASTORM 404 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.640 | 52 | 81,34 | **2.476,70** |
| PSCU451480 | KASTORM 451 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 6.880 | 54 | 100,41 | **2.867,60** |
| PXCU454490 | KASTORM 454 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 8.020 | 56 | 105,82 | **2.841,50** |
| PSCU501490 | KASTORM 501 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 9.430 | 57 | 123,93 | **3.323,60** |
| PXCU5044100 | KASTORM 504 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 11.010 | 59 | 130,85 | **3.498,80** |
| PSCU5614100 | KASTORM 561 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 13.250 | 61 | 154,39 | **3.770,00** |
| PXCU5644100 | KASTORM 564 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 15.460 | 63 | 159,55 | **3.931,60** |
| PSCU6314112 | KASTORM 631 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 18.860 | 65 | 192,62 | **4.815,90** |
| PXCU6344132 | KASTORM 634 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 22.010 | 66 | 210,08 | **4.880,80** |
| PSCU7114132 | KASTORM 711 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 26.990 | 68 | 252,30 | **6.274,50** |
| PXCU7144160 | KASTORM 714 T4 11kW | 1455 | - | 21,2 | 11,00 | 31.500 | 70 | 282,36 | **7.078,20** |
| PSCU8014160 | KASTORM 801 T4 15kW | 1465 | - | 29,8 | 15,00 | 38.610 | 72 | 337,25 | **8.576,60** |

* This code corresponds to the LG model | Este código corresponde al modelo LG

# MA 18-25



ErP 60 +Info Hz

ALUMINIUM IMPELLER, STEEL SHEET CASING

**MANUFACTURING FEATURES**
- Rolling steel sheet housing.
- Cast aluminium impeller.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Default assembly orientation is LG270.

**APPLICATIONS**

Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Maximum working temperature: carried air 130ºC; environment: 60ºC for three phase motors and 50ºC fon single phase motors.

**UNDER REQUEST**
- Special voltages.
- 2 speed motors (three phase motors).
- Orientations: LG 0, LG 90, LG 180.

TURBINA DE ALUMINIO, CARCASA EN CHAPA DE ACERO

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Carcasa fabricada en chapa de acero laminado.
- Turbina fabricada en inyección de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.
- Orientación estándar LG270.

**APLICACIONES**

Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC para modelos trifásicos, 50ºC para monofásicos.

**BAJO DEMANDA**
- Ventiladores para voltajes especiales.
- Motores 2 velocidades (motores trifásicos).
- Orientaciones: LG 0, LG 90, LG 180.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**RBS** pg.459
Outlet protection guard.
Rejilla boca de salida.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 253180162 | MA 18 M2 0,09kW | 2800 | 0,75 | 0,09 | 180 | 53 | 6 | **460,90** |
| 253220162 | MA 24 M2 0,09kW | 2800 | 0,75 | 0,09 | 260 | 57 | 7 | **522,40** |
| 253270162 | MA 25 M2 0,18kW | 2800 | 1,36 | 0,18 | 480 | 59 | 11 | **616,00** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253180161 | MA 18 T2 0,09kW | 2800 | 0,55 | 0,32 | 0,1 | 180 | 53 | 6 | **439,10** |
| 253220161 | MA 24 T2 0,09kW | 2800 | 0,55 | 0,32 | 0,1 | 260 | 57 | 7 | **497,60** |
| 253270161 | MA 25 T2 0,18kW | 2800 | 0,87 | 0,51 | 0,18 | 480 | 59 | 11 | **586,50** |

# MA 26-31



ErP 60 +info Hz

## ALUMINIUM FORWARD IMPELLER, ALUMINIUM CAST CASING

### MANUFACTURING FEATURES
- Cast aluminium housing.
- Cast aluminium forward blades casing.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Default assembly orientation is LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Maximum working temperature: carried air 130ºC; environment: 60ºC for three phase motors and 50ºC fon single phase motors.

### UNDER REQUEST
- Special voltages.
- 2 speed motors (three phase motors).
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG315.

## TURBINA ACCIÓN DE ALUMINIO, CARCASA EN FUNDICIÓN DE ALUMINIO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en fundición de aluminio.
- Turbina fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.
- Orientación estándar LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC para motores trifásicos y 50ºC para monofásicos.

### BAJO DEMANDA
- Ventiladores para voltajes especiales.
- Motores 2 velocidades (motores trifásicos).
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 253300104 | MA 26 M2 0,37kW | 2800 | 2,47 | 0,37 | 750 | 64 | 13 | **686,80** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253300106 | MA 26 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 750 | 64 | 13 | **652,40** |
| 253330106 | MA 27 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 860 | 66 | 14 | **807,20** |
| 253390106 | MA 28 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.450 | 69 | 20 | **1.035,20** |
| 253430106 | MA 31 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.170 | 72 | 30 | **1.374,70** |

# MB



MB 12/5 - 20/8



MB 22/9 - 28/11



MB 31/12 - 45/18

ErP 60 +info Hz

## MEDIUM PRESSURE FANS WITH FORWARD IMPELLER

### MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Completely joined or welded housing.
- Galvanized steel sheet and single inlet forward curved impeller.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher power.
- Default assembly orientation is LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Suitable for transporting totally clean air without dust.
- Maximum working temperature: carried air 130ºC; environment single phase 50ºC, three phase 60ºC.

### UNDER REQUEST

- Special voltages.
- 2 speed motors (three phase motors).
- Fan prepared for air transportation up to 250ºC (depending on model).
- With cooling impeller.
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG 225, LG 315, RD 0, RD 45, RD 90, RD 135, RD 180, RD 225, RD 270, RD 315.
- Option with support for models where it is not included, and without support for models where it is included.

## CENTRÍFUGOS DE MEDIA PRESIÓN A ACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada o engatillada.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa galvanizada.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire totalmente limpio y sin polvo.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: monofásico 50ºC, trifásico 60ºC.

### BAJO DEMANDA

- Ventiladores para trabajar a voltajes especiales.
- Motores 2 velocidades (motores trifásicos).
- Ventilador preparado para aire hasta 250ºC (según modelo).
- Con rodete de refrigeración.
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG 225, LG 315, RD 0, RD 45, RD 90, RD 135, RD 180, RD 225, RD 270, RD 315.
- Opción con pie para los modelos que no lo llevan o sin pie para los que sí lo llevan.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**RBS** pg.459
Outlet protection guard.
Rejilla boca de salida.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## MB 12/5-20/8

### SINGLE PHASE RANGE | SERIE MONOFÁSICA

#### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 253100103 | MB 14/5 M2 0,25kW | 2800 | 1,77 | 0,25 | 840 | 58 | 7 | **322,50** |
| 253110103 | MB 16/6 M2 0,37kW | 2800 | 2,47 | 0,37 | 1.080 | 60 | 9,50 | **330,40** |
| 253170103 | MB 18/7 M2 0,75kW | 2800 | 4,49 | 0,75 | 1.470 | 63 | 15 | **599,80** |
| 253240103 | MB 20/6 M2 0,37kW | 2800 | 2,47 | 0,37 | 785 | 61 | 14 | **665,00** |
| 253190103 | MB 20/8 M2 1,1kW | 2800 | 6,71 | 1,10 | 1.960 | 65 | 19 | **692,20** |

#### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 253080103 | MB 12/5 M4 0,08kW | 1370 | 0,9 | 0,08 | 250 | 46 | 5 | **295,90** |
| 253090103 | MB 14/5 M4 0,08kW | 1370 | 0,9 | 0,08 | 414 | 46 | 6 | **315,40** |
| 253150103 | MB 16/6 M4 0,08kW | 1370 | 0,9 | 0,08 | 600 | 53 | 7,50 | **339,90** |

### THREE PHASE RANGE | SERIE TRIFÁSICA

#### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253100106 | MB 14/5 T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 840 | 58 | 7 | **293,40** |
| 253110106 | MB 16/6 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.080 | 60 | 9,50 | **300,40** |
| 253170106 | MB 18/7 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 1.470 | 63 | 15 | **561,70** |
| 253240106 | MB 20/6 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 785 | 61 | 14 | **604,80** |
| 253190106 | MB 20/8 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 1.960 | 65 | 19 | **648,60** |

#### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253080106 | MB 12/5 T4 0,08kW | 1400 | 0,47 | 0,27 | 0,08 | 250 | 46 | 5 | **269,00** |
| 253090106 | MB 14/5 T4 0,08kW | 1400 | 0,47 | 0,27 | 0,08 | 414 | 46 | 6 | **291,70** |
| 253150106 | MB 16/6 T4 0,08kW | 1400 | 0,47 | 0,27 | 0,08 | 600 | 53 | 7,50 | **309,10** |

## MB 22/9-28/11

### THREE PHASE RANGE | SERIE TRIFÁSICA

#### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253210120 | MB 22/9 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 1.480 | 55 | 24 | **890,40** |
| 253200106 | MB 22/9 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 2.890 | 65 | 30 | **933,50** |
| 253280106 | MB 25/10 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 2.540 | 62 | 32 | **1.008,80** |
| 253290106 | MB 25/10 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 3.360 | 66 | 38 | **1.100,80** |
| 253360106 | MB 28/11 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 3.600 | 70 | 46 | **1.374,50** |

#### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253260106 | MB 22/9 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 1.830 | 59 | 21 | **804,00** |
| 253320106 | MB 25/10 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 2.830 | 59 | 26 | **1.084,70** |
| 253410106 | MB 28/11 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 3.580 | 65 | 32 | **1.236,80** |

## MB 31/12-45/18

### THREE PHASE RANGE | SERIE TRIFÁSICA

#### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253420106 | MB 31/12 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 5.400 | 63 | 54 | **1.850,10** |
| 253480106 | MB 35/14 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 5.870 | 65 | 63 | **1.964,80** |
| 253490106 | MB 35/14 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 8.020 | 64 | 69 | **2.256,30** |
| 253510121 | MB 40/16 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 8.340 | 68 | 101 | **2.542,00** |
| 253510106 | MB 40/16 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 10.570 | 72 | 110 | **2.642,10** |
| 253530120 | MB 45/18 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 9.160 | 75 | 119 | **2.991,30** |
| 253530121 | MB 45/18 T4 11kW | 1455 | - | 21,2 | 11,00 | 12.500 | 76 | 190 | **3.111,60** |

#### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253500106 | MB 35/14 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 5.200 | 58 | 53 | **1.935,80** |
| 253520106 | MB 40/16 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 5.650 | 59 | 94 | **2.343,40** |
| 253540106 | MB 40/16 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 7.530 | 59 | 94 | **2.493,00** |
| 253560106 | MB 45/18 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 6.060 | 64 | 112 | **2.519,00** |

Casals tiene soluciones para la ventilación, recuperación y renovación de aire en hoteles

Casals has solutions for ventilation, energy recovery and air renewal in hotels



# MDE



ErP 60 +info Hz

## FORWARD IMPELLER, EXTERNAL ROTOR MOTOR

### MANUFACTURING FEATURES

- Welded rolled steel sheet housing.
- Laminated steel sheet single inlet forward curved impeller.
- Inlet protection guard included.
- Epoxy powder finishing coat.
- Asynchronous external rotor with IP-44 protection and Class B insulation according to the DIN 40.050 h1 Standard; greased for life ball bearings. Standard voltages: 230V 50Hz.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Maximum working temperature: 50ºC.

## TURBINA ACCIÓN, MOTOR DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa soldada en chapa de acero laminado.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa de acero laminado.
- Rejilla protección incluida en el lado de la aspiración.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono de rotor exterior que incluye protector térmico y rodamientos a bolas de engrase permanente. Protección IP-44 y aislamiento clase B según DIN 40.050 h1. Voltaje estándar 230V 50Hz.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Temperatura máxima de trabajo en continuo: 50ºC.

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**REG** pg.511

Speed controller for single phase motor.
Regulador de velocidad manual monofásico.



**AB** pg.502

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 300712100 | MDE 120 | 2930 | 0,4 | 0,065 | 190 | 2,4 | **179,90** |
| 300712200 | MDE 130 | 2890 | 0,5 | 0,12 | 400 | 3 | **199,60** |




Folleto

Brochure

**Recuperadores terciarios, extractores de baño, cocinas, parkings, presurización de escaleras y cortinas de aire.**
**Heat recovery units, bathroom extractors, kitchens, parkings, stair pressurization and air curtains.**

# MBCA



ErP 60 +info Hz

## CENTRIFUGAL FAN TO MOVE CLEAN AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Single inlet forward curved impeller made of Fe360 sheet statically and dynamically balanced.
- Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation.
- Standard voltages 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally.
- Optional front support up to size 500, size 560 and upper front support is included.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Suitable for transporting totally clean air without dust.
- Steam aspiration in places where moving large volumes of air at low pressures.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO PARA MOVER AIRE LIMPIO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en Fe360 equilibrada estática y dinámicamente.
- Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F.
- Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire totalmente limpio y sin polvo.
- Aspiración de vapores en lugares donde se desplazan grandes volúmenes de aire con bajas presiones.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501401816 | MBCA 180 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.230 | 47 | 19 | **843,60** |
| 501401818 | MBCA 180 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 1.810 | 51 | 25 | **980,90** |
| 501402018 | MBCA 200 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 1.810 | 51 | 27 | **1.102,20** |
| 501402027 | MBCA 200 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 2.890 | 56 | 33 | **1.248,80** |
| 501402219 | MBCA 220 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 2.170 | 52 | 32 | **1.214,90** |
| 501402229 | MBCA 220 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 3.970 | 59 | 41 | **1.616,00** |
| 501402529 | MBCA 250 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 3.250 | 56 | 51 | **1.762,00** |
| 501402532 | MBCA 250 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 4.690 | 60 | 60 | **1.860,90** |
| 501402834 | MBCA 280 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 4.690 | 60 | 82 | **2.259,70** |
| 501402836 | MBCA 280 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 6.130 | 63 | 90 | **2.410,00** |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501402240 | MBCA 220 T4 0,18kW | 1400 | 1,07 | 0,62 | 0,18 | 1.230 | 39 | 26 | **984,70** |
| 501402242 | MBCA 220 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 1.810 | 40 | 28 | **1.031,30** |
| 501402542 | MBCA 250 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 1.810 | 43 | 30 | **1.137,90** |
| 501402543 | MBCA 250 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 2.530 | 47 | 33 | **1.206,00** |
| 501402844 | MBCA 280 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 3.010 | 47 | 40 | **1.312,40** |
| 501402845 | MBCA 280 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 3.810 | 51 | 42 | **1.361,20** |
| 501403146 | MBCA 310 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 4.310 | 51 | 50 | **1.512,10** |
| 501403154 | MBCA 310 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 5.410 | 55 | 58 | **1.626,00** |
| 501403554 | MBCA 350 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 5.410 | 52 | 66 | **1.924,20** |
| 501403556 | MBCA 350 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 7.210 | 56 | 66 | **2.044,40** |
| 501403559 | MBCA 350 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 7.930 | 58 | 76 | **2.200,60** |
| 501404061 | MBCA 400 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 7.930 | 58 | 100 | **2.759,80** |
| 501404063 | MBCA 400 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 10.810 | 61 | 108 | **2.974,40** |
| 501404563 | MBCA 450 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 10.090 | 57 | 112 | **3.365,50** |
| 501404552 | MBCA 450 T4 15kW | 1465 | - | 29,8 | 15,00 | 18.010 | 65 | 170 | **4.787,40** |
| 501405052 | MBCA 500 T4 15kW | 1465 | - | 29,8 | 15,00 | 16.210 | 61 | 200 | **5.635,20** |
| 501405055 | MBCA 500 T4 22kW | 1465 | - | 40,1 | 22,00 | 21.610 | 65 | 272 | **6.564,90** |
| 501405655 | MBCA 560 T4 22kW | 1465 | - | 40,1 | 22,00 | 21.610 | 61 | 313 | **7.421,00** |
| 501405658 | MBCA 560 T4 37kW | 1470 | - | 69,2 | 37,00 | 32.410 | 68 | 497 | **9.804,20** |

## 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501403170 | MBCA 310 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 2.170 | 41 | 43 | **1.330,60** |
| 501403171 | MBCA 310 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 3.250 | 45 | 44 | **1.429,90** |
| 501403572 | MBCA 350 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 3.970 | 46 | 56 | **1.820,40** |
| 501403573 | MBCA 350 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 5.410 | 49 | 59 | **1.851,10** |
| 501404074 | MBCA 400 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 5.410 | 48 | 82 | **2.282,90** |
| 501404078 | MBCA 400 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 7.930 | 51 | 90 | **2.423,00** |
| 501404580 | MBCA 450 T6 3kW | 960 | 12,7 | 7,3 | 3,00 | 9.010 | 52 | 112 | **3.132,20** |
| 501405083 | MBCA 500 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 9.010 | 52 | 153 | **3.732,70** |
| 501405085 | MBCA 500 T6 5,5kW | 960 | - | 12,8 | 5,50 | 10.810 | 55 | 153 | **3.975,50** |
| 501405687 | MBCA 560 T6 7,5kW | 965 | - | 15,2 | 7,50 | 16.210 | 55 | 221 | **5.576,00** |
| 501405675 | MBCA 560 T6 11kW | 965 | - | 22,6 | 11,00 | 21.610 | 61 | 233 | **5.894,30** |
| 501406375 | MBCA 630 T6 11kW | 965 | - | 22,6 | 11,00 | 19.810 | 56 | 243 | **6.852,80** |
| 501406377 | MBCA 630 T6 18,5kW | 975 | - | 35,7 | 18,50 | 28.810 | 63 | 400 | **8.532,40** |

RECUPERADORES TERCIARIOS EEC



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QUANTICA EEC

Catálogo

Catalogue

# MBC



ErP Exempt

## CENTRIFUGAL FAN WITH FORWARD IMPELLER AND CUBIC CASING

### MANUFACTURING FEATURES

- Reinforced rolling steel sheet, protected against corrosion by powder coating polyester resin.
- Simple inlet forward curved reinforced impeller made of galvanized sheet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Default assembly orientation is LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Extraction of hot gases in ovens or any application with high temperatures.
- Suitable for transporting totally clean air without dust.
- Maximum working temperature: carried air up to 250ºC; environment: single phase 50ºC, three phase 60ºC.

### UNDER REQUEST

- 2 speed motors (three phase motors).
- Orientations: LG0, LG90, LG180.

## CENTRÍFUGO CON TURBINA A ACCIÓN Y CARCASA CÚBICA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa reforzada en acero laminado, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa galvanizada.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de gases calientes en hornos o cualquier tipo de aplicación donde haya altas temperaturas.
- Transporte de aire totalmente limpio y sin polvo.
- Temperatura máxima de trabajo en continuo: aire transportado 250ºC, ambiente: monofásico 50ºC, trifásico 60ºC.

### BAJO DEMANDA

- Motores 2 velocidades (motores trifásicos).
- Orientaciones: LG0, LG90, LG180.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**RBS** pg.459
Outlet protection guard.
Rejilla boca de salida.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253280146 | MBC 25/10 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 2.560 | 64 | 65 | **1.964,90** |
| 253290146 | MBC 25/10 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 3.710 | 65 | 66 | **2.323,00** |
| 253360146 | MBC 28/11 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 3.810 | 68 | 66 | **1.748,80** |

## 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253310146 | MBC 25/10 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 2.510 | 60 | 64 | **1.346,90** |
| 253370146 | MBC 28/11 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 3.460 | 64 | 70 | **1.614,60** |
| 253460146 | MBC 31/12 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 6.130 | 68 | 72 | **2.225,30** |
| 253480146 | MBC 35/14 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 6.510 | 72 | 75 | **2.134,70** |
| 253490146 | MBC 35/14 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 8.190 | 73 | 78 | **2.501,00** |
| 253510146 | MBC 40/16 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 9.010 | 75 | 87 | **2.816,10** |
| 253520146 | MBC 40/16 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 11.510 | 77 | 89 | **3.173,00** |
| 253530146 | MBC 45/18 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 8.510 | 79 | 91 | **3.082,60** |
| 253540146 | MBC 45/18 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 9.510 | 80 | 93 | **3.439,30** |

## 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253300146 | MBC 25/10 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 1.650 | 56 | 63 | **1.267,00** |
| 253380146 | MBC 28/11 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 2.280 | 58 | 69 | **1.428,70** |
| 253430146 | MBC 31/12 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 4.050 | 63 | 71 | **1.939,20** |
| 253470146 | MBC 35/14 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 5.110 | 67 | 77 | **2.039,30** |
| 253500146 | MBC 40/16 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 7.160 | 71 | 86 | **2.405,90** |
| 253560146 | MBC 45/18 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 6.810 | 75 | 90 | **2.636,40** |



# MBRM



ErP 60 +Info Hz

## BACKWARD IMPELLER, FOR CLEAN OR DUSTY AIR

### MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded or joined housing.
- High efficiency single inlet and backward curved impeller, made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Manufactured with standard voltages: 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- Allows you to vary the orientation locally at models from 250 to 630. In sizes ranging from 710 to 1400, the orientation is fixed.
- Optional front support up to size 500, size 560 and upper front support is included.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1400, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados exceptuando materiales filamentosos.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501802213 | MBRM 220 T2 0,18kW | 2800 | 0,87 | 0,51 | 0,18 | 800 | 47 | 18 | **811,30** |
| 501802514 | MBRM 251 T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 1.090 | 49 | 24 | **926,50** |
| 501802515 | MBRM 252 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.380 | 50 | 26 | **953,90** |
| 501802816 | MBRM 281 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.630 | 52 | 30 | **1.087,10** |
| 501802817 | MBRM 282 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 1.810 | 54 | 35 | **1.200,40** |
| 501803118 | MBRM 311 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 2.530 | 56 | 42 | **1.326,80** |
| 501803119 | MBRM 312 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 2.530 | 57 | 45 | **1.384,70** |
| 501803519 | MBRM 351 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 2.170 | 54 | 66 | **1.623,70** |
| 501803527 | MBRM 352 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 3.970 | 59 | 70 | **1.685,20** |
| 501804029 | MBRM 401 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 5.410 | 63 | 85 | **2.153,50** |
| 501804032 | MBRM 402 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 6.130 | 63 | 93 | **2.252,50** |
| 501804534 | MBRM 451 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 7.930 | 66 | 115 | **2.928,60** |
| 501804536 | MBRM 452 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 7.930 | 66 | 118 | **3.078,90** |
| 501805021 | MBRM 501 T2 11kW | 2940 | - | 20,8 | 11,00 | 10.810 | 69 | 175 | **4.640,60** |
| 501805024 | MBRM 502 T2 15kW | 2935 | - | 27,4 | 15,00 | 10.810 | 70 | 180 | **4.882,60** |
| 501805626 | MBRM 561 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 16.210 | 72 | 220 | **6.144,30** |
| 501805628 | MBRM 562 T2 22kW | 2940 | - | 39,8 | 22,00 | 16.210 | 72 | 276 | **7.007,00** |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501805045 | MBRM 503 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 4.690 | 55 | 100 | **2.613,90** |
| 501805046 | MBRM 504 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 5.410 | 56 | 106 | **2.682,20** |
| 501805654 | MBRM 563 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 7.210 | 58 | 128 | **3.790,20** |
| 501805656 | MBRM 564 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 7.930 | 59 | 136 | **3.910,50** |
| 501806359 | MBRM 631 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 10.090 | 61 | 190 | **4.854,90** |
| 501806361 | MBRM 632 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 10.810 | 63 | 205 | **5.105,20** |
| 501807163 | MBRM 711 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 14.410 | 64 | 287 | **6.676,80** |
| 501807149 | MBRM 712 T4 11kW | 1455 | - | 21,2 | 11,00 | 18.010 | 65 | 338 | **7.702,00** |
| 501808052 | MBRM 801 T4 15kW | 1465 | - | 29,8 | 15,00 | 21.610 | 67 | 504 | **9.020,60** |
| 501808053 | MBRM 802 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 25.210 | 68 | 512 | **9.723,80** |
| 501809057 | MBRM 901 T4 30kW | 1475 | - | 56,3 | 30,00 | 32.410 | 70 | 684 | **13.242,20** |
| 501809058 | MBRM 902 T4 37kW | 1470 | - | 69,2 | 37,00 | 32.410 | 71 | 767 | **14.376,80** |
| 501810060 | MBRM 1001 T4 45kW | 1475 | - | 80,7 | 45,00 | 43.210 | 72 | 963 | **16.793,00** |
| 501810062 | MBRM 1002 T4 55kW | 1475 | - | 97,1 | 55,00 | 46.810 | 74 | 1081 | **18.391,80** |
| 501811264 | MBRM 1121 T4 75kW | 1485 | - | 129,60 | 75,00 | 61.210 | 75 | 1445 | **31.768,60** |
| 501811266 | MBRM 1122 T4 90kW | 1485 | - | 153,60 | 90,00 | 68.410 | 77 | 1486 | **33.208,80** |

## 6 pole | 6 polos

| Code / Código | Model / Modelo | Rated. R.P.M. / R.P.M. nom. | Rated I (A) / I máx. (A) 230V | Rated I (A) / I máx. (A) 400V | Rat. Power kW / P. Nom. kW | Air flow m³/h / Q máx. m³/h | Sound dB (A) / Sonido dB (A) | Weight Kg / Peso Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|---|---|---|---|
| 501808083 | MBRM 803 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 14.410 | 59 | 391 | **7.601,60** |
| 501808085 | MBRM 804 T6 5,5kW | 960 | - | 12,8 | 5,50 | 16.210 | 60 | 395 | **7.844,50** |
| 501809087 | MBRM 903 T6 7,5kW | 965 | - | 15,2 | 7,50 | 21.610 | 62 | 511 | **10.703,50** |
| 501809075 | MBRM 904 T6 11kW | 965 | - | 22,6 | 11,00 | 21.610 | 64 | 531 | **11.021,90** |
| 501810076 | MBRM 1003 T6 15kW | 970 | - | 27,7 | 15,00 | 28.810 | 65 | 743 | **13.546,30** |
| 501810077 | MBRM 1004 T6 18,5kW | 975 | - | 35,7 | 18,50 | 32.410 | 66 | 850 | **14.409,30** |
| 501811279 | MBRM 1123 T6 22kW | 975 | - | 42,3 | 22,00 | 39.610 | 66 | 955 | **22.719,90** |
| 501811281 | MBRM 1124 T6 30kW | 985 | - | 54,4 | 30,00 | 46.810 | 68 | 1156 | **24.214,30** |
| 501812582 | MBRM 1251 T6 37kW | 985 | - | 66,8 | 37,00 | 54.010 | 70 | 1430 | **29.763,60** |
| 501812584 | MBRM 1252 T6 45kW | 985 | - | 84,8 | 45,00 | 61.210 | 71 | 1915 | **32.495,20** |
| 501814086 | MBRM 1401 T6 55kW | 985 | - | 102,00 | 55,00 | 76.510 | 73 | 1850 | **36.779,50** |
| 501814088 | MBRM 1402 T6 75kW | 990 | - | 135,10 | 75,00 | 86.410 | 74 | 2346 | **46.186,00** |

# ENKELROOF EEC

50/60 Hz



**Specially designed cowl to improve watertightness and integration of the assembly**

Sombrerete especialmente diseñado para mejorar la estanqueidad e integración del conjunto

**casals.com**

# MBRU



ErP 60 +info Hz

## CENTRIFUGAL IMPELLER, FOR CLEAN OR DUSTY AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- Fully welded or joined housing.
- High efficiency single inlet and backward curved impeller made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Manufactured with standard voltages: 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- Allows you to vary the orientation locally at models from 250 to 630. In sizes ranging from 710 to 1400, the orientation is fixed.
- Optional front support up to size 500, size 560 and upper front support is included.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 250 al 630. En los tamaños que van del 710 al 1400, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC; ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501902515 | MBRU 250 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.225 | 49 | 28 | **990,90** |
| 501902816 | MBRU 280 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.620 | 50 | 30 | **1.124,10** |
| 501903118 | MBRU 310 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 2.520 | 51 | 42 | **1.368,70** |
| 501903527 | MBRU 350 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 3.240 | 54 | 62 | **1.744,40** |
| 501904032 | MBRU 400 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 4.680 | 57 | 90 | **2.385,70** |
| 501904536 | MBRU 450 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 10.520 | 62 | 115 | **3.254,00** |
| 501905021 | MBRU 501 T2 11kW | 2940 | - | 20,8 | 11,00 | 10.800 | 62 | 175 | **4.847,80** |
| 501905624 | MBRU 561 T2 15kW | 2935 | - | 27,4 | 15,00 | 14.400 | 65 | 217 | **6.083,80** |
| 501905626 | MBRU 562 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 16.000 | 64 | 228 | **6.447,70** |
| 501906330 | MBRU 631 T2 30kW | 2955 | - | 56,6 | 30,00 | 25.200 | 71 | 438 | **9.257,80** |
| 501906331 | MBRU 632 T2 37kW | 2955 | - | 66,7 | 37,00 | 28.800 | 70 | 443 | **9.750,70** |
| 501907135 | MBRU 711 T2 55kW | 2960 | - | 95,00 | 55,00 | 25.200 | 71 | 625 | **14.969,60** |
| 501907137 | MBRU 712 T2 75kW | 2980 | - | 127,20 | 75,00 | 39.600 | 73 | 760 | **19.683,90** |
| 501908038 | MBRU 801 T2 90kW | 2980 | - | 152,40 | 90,00 | 32.400 | 71 | 904 | **22.518,70** |
| 501908022 | MBRU 802 T2 110kW | 2980 | - | 185,80 | 110,00 | 39.600 | 75 | 1046 | **29.899,10** |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501905045 | MBRU 502 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 3.960 | 51 | 100 | **2.821,20** |
| 501905654 | MBRU 563 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 7.200 | 53 | 143 | **4.093,50** |
| 501906359 | MBRU 633 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 12.600 | 55 | 190 | **5.247,00** |
| 501907161 | MBRU 713 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 10.800 | 55 | 275 | **6.965,30** |
| 501907163 | MBRU 714 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 16.200 | 59 | 288 | **7.180,00** |
| 501908049 | MBRU 803 T4 11kW | 1455 | - | 21,2 | 11,00 | 18.000 | 58 | 418 | **9.551,30** |
| 501908052 | MBRU 804 T4 15kW | 1465 | - | 29,8 | 15,00 | 28.800 | 62 | 432 | **9.869,10** |
| 501909053 | MBRU 901 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 19.800 | 58 | 590 | **13.019,90** |
| 501909057 | MBRU 902 T4 30kW | 1475 | - | 56,3 | 30,00 | 36.000 | 64 | 687 | **14.495,20** |
| 501910058 | MBRU 1001 T4 37kW | 1470 | - | 69,2 | 37,00 | 43.200 | 66 | 933 | **17.433,70** |
| 501910060 | MBRU 1002 T4 45kW | 1475 | - | 80,7 | 45,00 | 46.800 | 66 | 975 | **18.142,20** |
| 501911262 | MBRU 1121 T4 55kW | 1475 | - | 97,1 | 55,00 | 61.200 | 64 | 1210 | **28.084,90** |
| 501911264 | MBRU 1122 T4 75kW | 1485 | - | 129,60 | 75,00 | 68.500 | 66 | 1390 | **33.657,70** |
| 501912550 | MBRU 1251 T4 110kW | 1485 | - | 185,20 | 110,00 | 85.000 | 71 | 1840 | **46.667,90** |
| 501912551 | MBRU 1252 T4 132kW | 1485 | - | 222,10 | 132,00 | 110.000 | 73 | 1875 | **48.705,30** |
| 501914105 | MBRU 1401 T4 200kW | 1485 | - | 331,70 | 200,00 | 125.000 | 74 | 2336 | **61.732,90** |
| 501914108 | MBRU 1402 T4 250kW | 1485 | - | 414,60 | 250,00 | 135.000 | 74 | 2336 | **74.309,20** |

## 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501908083 | MBRU 805 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 16.200 | 54 | 390 | **8.450,20** |
| 501909087 | MBRU 903 T6 7,5kW | 965 | - | 15,2 | 7,50 | 25.200 | 55 | 504 | **11.956,50** |
| 501910075 | MBRU 1003 T6 11kW | 965 | - | 22,6 | 11,00 | 28.800 | 58 | 684 | **14.078,90** |
| 501910076 | MBRU 1004 T6 15kW | 970 | - | 27,7 | 15,00 | 32.400 | 58 | 759 | **14.895,50** |
| 501911277 | MBRU 1123 T6 18,5kW | 975 | - | 35,7 | 18,50 | 36.000 | 61 | 935 | **24.102,40** |
| 501911279 | MBRU 1124 T6 22kW | 975 | - | 42,3 | 22,00 | 47.800 | 62 | 956 | **24.537,50** |
| 501912581 | MBRU 1253 T6 30kW | 985 | - | 54,4 | 30,00 | 54.000 | 62 | 1283 | **30.908,80** |
| 501912582 | MBRU 1254 T6 37kW | 985 | - | 66,8 | 37,00 | 68.400 | 63 | 1378 | **32.348,40** |
| 501914084 | MBRU 1403 T6 45kW | 985 | - | 84,8 | 45,00 | 58.000 | 61 | 2150 | **38.996,00** |
| 501914088 | MBRU 1404 T6 75kW | 990 | - | 135,10 | 75,00 | 85.000 | 65 | 2336 | **49.846,40** |

# PLUG FAN with IEC motor

# PLUG FAN con motor IEC

by Casals



Ø 315 - 400

Folleto

Brochure



Ø 450 - 630

KENTALfan

# MBGR



ErP 60 +info Hz

## CENTRIFUGAL FAN FOR CLEAN OR DUSTY AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- Single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced.
  Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1400 size the orientation is fixed.
- Optional front support up to size 500, size 560 and upper front support is included.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC, environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar RD270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1400, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Transporte de aire polvoriento o con ligera carga de materiales granulados si pasar por el interior del ventilador.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502004027 | MBGR 401 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 2.890 | 56 | 73 | **2.159,30** |
| 502004029 | MBGR 402 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 3.610 | 59 | 81 | **2.316,30** |
| 502004532 | MBGR 451 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 4.330 | 62 | 107 | **2.796,50** |
| 502004534 | MBGR 452 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 5.410 | 66 | 136 | **3.076,60** |
| 502005036 | MBGR 501 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 7.210 | 71 | 145 | **3.588,70** |
| 502005021 | MBGR 502 T2 11kW | 2940 | - | 20,8 | 11,00 | 8.650 | 72 | 210 | **4.820,70** |
| 502005621 | MBGR 561 T2 11kW | 2940 | - | 20,8 | 11,00 | 8.650 | 70 | 227 | **5.595,30** |
| 502005624 | MBGR 562 T2 15kW | 2935 | - | 27,4 | 15,00 | 12.610 | 74 | 240 | **5.837,30** |
| 502006328 | MBGR 631 T2 22kW | 2940 | - | 39,8 | 22,00 | 14.410 | 77 | 315 | **8.281,20** |
| 502006330 | MBGR 632 T2 30kW | 2955 | - | 56,6 | 30,00 | 18.010 | 78 | 400 | **9.304,60** |
| 502007131 | MBGR 711 T2 37kW | 2955 | - | 66,7 | 37,00 | 19.810 | 81 | 492 | **11.941,20** |
| 502007133 | MBGR 712 T2 45kW | 2960 | - | 78,00 | 45,00 | 21.610 | 82 | 602 | **13.232,50** |
| 502008037 | MBGR 801 T2 75kW | 2975 | - | 130,00 | 75,00 | 28.810 | 84 | 800 | **21.201,30** |
| 502008038 | MBGR 802 T2 90kW | 2980 | - | 127,20 | 75,00 | 28.810 | 84 | 800 | **22.323,90** |
| 502009023 | MBGR 901 T2 132kW | 2980 | - | 152,40 | 90,00 | 36.010 | 85 | 860 | **35.288,80** |
| 502009025 | MBGR 902 T2 160kW | 2980 | - | 225,50 | 132,00 | 36.010 | 89 | 1065 | **36.235,50** |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502005646 | MBGR 563 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 4.690 | 53 | 165 | **3.733,10** |
| 502005654 | MBGR 564 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 5.410 | 56 | 169 | **3.847,00** |
| 502006356 | MBGR 633 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 6.130 | 58 | 180 | **5.137,80** |
| 502006359 | MBGR 634 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 7.930 | 59 | 190 | **5.293,90** |
| 502007159 | MBGR 713 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 9.370 | 62 | 249 | **6.589,10** |
| 502007161 | MBGR 714 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 10.810 | 65 | 272 | **6.839,50** |
| 502008063 | MBGR 803 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 10.810 | 65 | 370 | **8.338,70** |
| 502008049 | MBGR 804 T4 11kW | 1455 | - | 21,2 | 11,00 | 18.010 | 69 | 415 | **9.363,90** |
| 502009052 | MBGR 903 T4 15kW | 1465 | - | 29,8 | 15,00 | 19.810 | 67 | 495 | **11.739,60** |
| 502009055 | MBGR 904 T4 22kW | 1465 | - | 40,1 | 22,00 | 25.210 | 73 | 576 | **12.669,30** |
| 502010057 | MBGR 1001 T4 30kW | 1475 | - | 56,3 | 30,00 | 28.810 | 75 | 794 | **15.433,50** |
| 502010058 | MBGR 1002 T4 37kW | 1470 | - | 69,2 | 37,00 | 36.010 | 77 | 893 | **16.568,10** |
| 502011260 | MBGR 1121 T4 45kW | 1475 | - | 80,7 | 45,00 | 36.010 | 79 | 1032 | **25.465,10** |
| 502011262 | MBGR 1122 T4 55kW | 1475 | - | 97,1 | 55,00 | 46.810 | 80 | 1132 | **27.063,80** |
| 502012564 | MBGR 1251 T4 75kW | 1485 | - | 129,60 | 75,00 | 54.010 | 83 | 1442 | **37.643,60** |
| 502012550 | MBGR 1252 T4 110kW | 1485 | - | 185,20 | 110,00 | 72.010 | 85 | 1770 | **45.834,80** |
| 502014051 | MBGR 1401 T4 132kW | 1485 | - | 222,10 | 132,00 | 72.010 | 86 | 2150 | **54.749,50** |
| 502014104 | MBGR 1402 T4 160kW | 1485 | - | 265,60 | 160,00 | 90.010 | 84 | 2170 | **57.168,30** |

## 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502009083 | MBGR 905 T6 4kW | 960 | 16,5 | 9,46 | 4,00 | 10.810 | 55 | 441 | **10.320,60** |
| 502009085 | MBGR 906 T6 5,5kW | 960 | - | 12,8 | 5,50 | 14.410 | 57 | 450 | **10.563,40** |
| 502010087 | MBGR 1003 T6 7,5kW | 965 | - | 15,2 | 7,50 | 18.010 | 62 | 613 | **12.894,80** |
| 502010075 | MBGR 1004 T6 11kW | 965 | - | 22,6 | 11,00 | 21.610 | 67 | 626 | **13.213,10** |
| 502011276 | MBGR 1123 T6 15kW | 970 | - | 27,7 | 15,00 | 25.210 | 67 | 836 | **22.218,40** |
| 502011277 | MBGR 1124 T6 18,5kW | 975 | - | 35,7 | 18,50 | 32.410 | 68 | 861 | **23.081,30** |
| 502012579 | MBGR 1253 T6 22kW | 975 | - | 42,3 | 22,00 | 36.010 | 71 | 900 | **28.612,70** |
| 502012581 | MBGR 1254 T6 30kW | 985 | - | 54,4 | 30,00 | 46.810 | 73 | 1287 | **30.107,20** |
| 502014082 | MBGR 1403 T6 37kW | 985 | - | 66,8 | 37,00 | 46.810 | 76 | 1819 | **36.392,60** |
| 502014086 | MBGR 1404 T6 55kW | 985 | - | 102,00 | 55,00 | 61.010 | 76 | 2058 | **39.571,40** |




> KUBALIK
> 150/ 230/ 300

Casals
soul made fans

> EXTRACTOR REVERSIBLE DE GRAN CAUDAL Y SILENCIOSO **PARA VENTANA O PARED** <

> REVERSIBLE EXTRACTOR OF GREAT FLOW AND SILENT **FOR WINDOW OR WALL** <



> ERELIS <
> 100/120/150

> EXTRACTOR **ULTRA SILENCIOSO** Y **DELGADO** CON COMPUERTA ANTIRRETORNO <

> **ULTRA QUIET** AND **SLIM** EXTRACTOR WITH BACKDRAUGHT DAMPER <

> TEKSTÜR <
> 100/120

> EXTRACTOR DE ALTA GAMA **CON TEMPORIZADOR Y COMPUERTA ANTIRRETORNO** <

> HIGH-END EXTRACTOR **WITH BACKDRAUGHT DAMPER** <





casals.com

# MA P/R



ErP Exempt

60 +info Hz

## STRAIGHT BLADE IMPELLER, IN CAST ALUMINUM

### MANUFACTURING FEATURES
- Cast aluminium housing.
- Straight blade made of cast aluminium.
- Polyester finishing coat.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz.
- Default assembly orientation is LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Solid material transport (except for textile fibers).
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST
- Special voltages.
- 2 speed motors.
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG 315.

## TURBINA DE PALA RECTA, EN FUNDICIÓN DE ALUMINIO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en fundición de aluminio.
- Turbina de pala recta en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Orientación estándar LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de materia sólida excepto fibras textiles.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA
- Voltajes especiales.
- Motor 2 velocidades.
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG 315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**BA-400** pg.484
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253300160 | MA 26 T2 0,37kW P/R | 2800 | 1,58 | 0,91 | 0,37 | 700 | 51 | 14 | **831,70** |
| 300006000 | MA 27 T2 0,55kW P/R | 2800 | 2,23 | 1,29 | 0,55 | 860 | 53 | 16 | **958,80** |
| 300140600 | MA 28 T2 0,75kW P/R | 2800 | 2,75 | 1,58 | 0,75 | 1.410 | 55 | 21 | **1.211,50** |
| 300032600 | MA 31 T2 1,5kW P/R | 2865 | 5,83 | 3,14 | 1,50 | 1.810 | 58 | 25 | **1.568,10** |

# MB P/R



ErP Exempt

60 +info Hz

## STRAIGHT BLADE IMPELLER

**MANUFACTURING** FEATURES
- Rolled steel sheet housing.
- Completely welded and reinforced housing.
- Single inlet straight blade impeller manufactured in steel sheet and with reinforced with a welded ring protected with polyester powder finishing coat.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Default assembly orientation is LG270.

**APPLICATIONS**

Designed for inline installation, they are suitable for:
- Solid material transport (except for textile fibers).
- Maximum working temperature: carried air 130ºC; environment 60ºC.

**UNDER REQUEST**
- 2 speed motors.
- Fan prepared for air up to 250ºC (depending on model).
- Fan equipped with cooling impeller for high temperature air transport.
- Orientations: LG0, LG 45, LG 90, LG 135, LG 180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD 270, RD315.

## TURBINA DE PALA RECTA

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada y reforzada.
- Turbina de pala recta fabricada con chapa de acero y con aro de refuerzo soldado y protegida contra la corrosión mediante recubrimiento de polvo de resina de poliéster.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar: LG270.

**APLICACIONES**

Diseñados para instalación en conducto, son indicados para:
- Transporte de materia sólida excepto fibras textiles.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

**BAJO DEMANDA**
- Motor 2 velocidades.
- Ventilador preparado para aire hasta 250ºC (según modelo).
- Ventilador equipado con rodete de refrigeración para transporte de aire de altas temperaturas.
- Orientación: LG0, LG 45, LG 90, LG 135, LG 180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD 270, RD315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AC** pg.479
Connexion flange.
Brida de conexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253210160 | MB 22/9 T2 1,1kW P/R | 2800 | 4,05 | 2,33 | 1,10 | 2.100 | 70 | 23 | **1.110,90** |
| 253280160 | MB 25/10 T2 1,5kW P/R | 2865 | 5,83 | 3,14 | 1,50 | 2.540 | 72 | 31 | **1.281,60** |
| 253360161 | MB 28/11 T2 2,2kW P/R | 2840 | 7,97 | 4,58 | 2,20 | 4.510 | 75 | 40 | **1.410,00** |
| 253450160 | MB 31/12 T2 3kW P/R | 2880 | 10,3 | 5,92 | 3,00 | 5.310 | 77 | 55 | **1.906,80** |
| 253480161 | MB 35/14 T2 5,5kW P/R | 2910 | - | 10,6 | 5,50 | 7.810 | 80 | 85 | **2.780,30** |
| 253510160 | MB 40/16 T2 7,5kW P/R | 2910 | - | 14,1 | 7,50 | 9.510 | 84 | 103 | **3.077,10** |
| 253530160 | MB 45/18 T2 11kW P/R | 2940 | - | 20,8 | 11,00 | 10.510 | 87 | 180 | **4.227,80** |
| 253530161 | MB 45/18 T2 15kW P/R | 2935 | - | 27,4 | 15,00 | 12.510 | 88 | 191 | **4.853,40** |

# MBZM P/R



ErP Exempt

60 +info Hz

## CENTRIFUGAL FAN FOR SOLID MATERIAL TRANSPORT

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
- Fully welded or joined housing.
- Simple inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 220 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support up to size 500, size 560 and upper front support is included.

### APPLICATIONS

Designed for inline installation, they are suitable for:
- For pneumatic transport of solid materials mixed with air, sawdust and wood chips; also filamentary materials.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315

## VENTILADOR CENTRÍFUGO PARA TRANSPORTE DE MATERIAL SÓLIDO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada o engatillada.
- Turbina de pala recta y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:
- Para transporte neumático de materiales solidos mezclados con aire, serrín y virutas de madera; también para materiales filamentosos.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501502215 | MBZM 220 T2 0,37kW P/R | 2800 | 1,58 | 0,91 | 0,37 | 870 | 51 | 20 | **849,80** |
| 501502516 | MBZM 251 T2 0,55kW P/R | 2800 | 2,23 | 1,29 | 0,55 | 1.090 | 55 | 25 | **970,70** |
| 501502517 | MBZM 252 T2 0,75kW P/R | 2800 | 2,75 | 1,58 | 0,75 | 1.230 | 56 | 30 | **1.084,10** |
| 501502818 | MBZM 281 T2 1,1kW P/R | 2800 | 4,05 | 2,33 | 1,10 | 1.380 | 57 | 33 | **1.219,40** |
| 501502819 | MBZM 282 T2 1,5kW P/R | 2865 | 5,83 | 3,14 | 1,50 | 1.810 | 59 | 37 | **1.277,40** |
| 501503119 | MBZM 311 T2 1,5kW P/R | 2865 | 5,83 | 3,14 | 1,50 | 1.630 | 58 | 43 | **1.379,80** |
| 501503127 | MBZM 312 T2 2,2kW P/R | 2840 | 7,97 | 4,58 | 2,20 | 2.170 | 61 | 47 | **1.441,40** |
| 501503529 | MBZM 351 T2 3kW P/R | 2880 | 10,3 | 5,92 | 3,00 | 2.530 | 63 | 63 | **1.832,40** |
| 501503532 | MBZM 352 T2 4kW P/R | 2880 | 13,3 | 7,63 | 4,00 | 3.610 | 65 | 72 | **1.931,40** |
| 501504034 | MBZM 401 T2 5,5kW P/R | 2910 | - | 10,6 | 5,50 | 4.330 | 67 | 101 | **2.522,70** |
| 501504036 | MBZM 402 T2 7,5kW P/R | 2910 | - | 14,1 | 7,50 | 5.410 | 68 | 106 | **2.673,00** |
| 501504521 | MBZM 452 T2 11kW P/R | 2940 | - | 20,8 | 11,00 | 7.210 | 71 | 155 | **4.258,90** |
| 501505024 | MBZM 501 T2 15kW P/R | 2935 | - | 27,4 | 15,00 | 9.010 | 73 | 180 | **4.855,40** |
| 501505028 | MBZM 502 T2 22kW P/R | 2940 | - | 39,8 | 22,00 | 10.810 | 74 | 250 | **5.951,20** |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 501504546 | MBZM 454 T4 1,5kW P/R | 1450 | 5,67 | 3,26 | 1,50 | 3.610 | 57 | 85 | **2.317,80** |
| 501505054 | MBZM 503 T4 2,2kW P/R | 1435 | 8,07 | 4,64 | 2,20 | 4.690 | 56 | 112 | **2.768,90** |
| 501505056 | MBZM 504 T4 3kW P/R | 1420 | 10,7 | 6,17 | 3,00 | 5.410 | 60 | 117 | **2.889,30** |
| 501505659 | MBZM 561 T4 4kW P/R | 1440 | 14,5 | 8,32 | 4,00 | 6.130 | 61 | 156 | **4.069,00** |
| 501505661 | MBZM 562 T4 5,5kW P/R | 1460 | - | 10,5 | 5,50 | 7.210 | 63 | 177 | **4.319,50** |
| 501506363 | MBZM 631 T4 7,5kW P/R | 1455 | - | 14,1 | 7,50 | 7.930 | 64 | 202 | **5.238,50** |
| 501506349 | MBZM 632 T4 11kW P/R | 1455 | - | 21,2 | 11,00 | 10.090 | 66 | 250 | **6.263,70** |
| 501507149 | MBZM 711 T4 11kW P/R | 1455 | - | 21,2 | 11,00 | 12.610 | 68 | 358 | **7.467,70** |
| 501507152 | MBZM 712 T4 15kW P/R | 1465 | - | 29,8 | 15,00 | 12.610 | 68 | 370 | **7.785,50** |
| 501508053 | MBZM 801 T4 18,5kW P/R | 1470 | - | 35,6 | 18,50 | 19.810 | 70 | 526 | **9.521,60** |
| 501508057 | MBZM 802 T4 30kW P/R | 1475 | - | 56,3 | 30,00 | 21.610 | 72 | 639 | **10.996,80** |
| 501509058 | MBZM 901 T4 37kW P/R | 1470 | - | 69,2 | 37,00 | 28.810 | 74 | 782 | **14.110,40** |
| 501509060 | MBZM 902 T4 45kW P/R | 1475 | - | 80,7 | 45,00 | 28.810 | 75 | 817 | **14.818,90** |
| 501510062 | MBZM 1001 T4 55kW P/R | 1475 | - | 97,1 | 55,00 | 36.010 | 76 | 1083 | **17.901,00** |
| 501510064 | MBZM 1002 T4 75kW P/R | 1485 | - | 129,60 | 75,00 | 42.130 | 77 | 1227 | **23.217,40** |




> LÍDERO <
> 100/120/150
> EXTRACTOR CON **PERSIANA AUTOMÁTICA ANTIRRETORNO** <
> EXTRACTOR WITH **AUTOMATIC BACKDRAUGHT SHUTTER** <



# MDI



ErP Exempt

**FORWARD IMPELLER, STAINLESS STEEL AISI 304**

**MANUFACTURING FEATURES**
- Welded stainless steel AISI 304 housing.
- Stainless steel single inlet forward curved impeller.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.

**APPLICATIONS**

Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Air transport with corrosive components.
- Maximum working temperature: carried air 130ºC; environment single phase 50ºC, three phase 60ºC.

**UNDER REQUEST**
- Special voltages.
- 2 speed motors (three phase motors).

**TURBINA ACCIÓN, ACERO INOXIDABLE AISI 304**

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Carcasa engatillada fabricada en acero inoxidable AISI 304.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en acero inoxidable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.

**APLICACIONES**

Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Transporte de aire con componentes corrosivos.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: monofásico 50ºC, trifásico 60ºC.

**BAJO DEMANDA**
- Voltajes especiales.
- Motores 2 velocidades (motores trifásicos).

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**RAI** pg.459

Inlet protecton guard manufactured in stainess steel.
Rejilla aspiración inox.



**AB** pg.502

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 300716100 | MDI 10/5 M2 0,12kW | 2800 | 0,94 | 0,12 | 360 | 26 | 2,40 | **959,60** |
| 300716400 | MDI 13/6 M2 0,18kW | 2800 | 1,36 | 0,18 | 600 | 37 | 5,30 | **1.079,70** |
| 300716600 | MDI 13/8 M2 0,25kW | 2800 | 1,77 | 0,25 | 660 | 38 | 9,40 | **1.151,60** |
| 300716700 | MDI 16/8 M2 0,37kW | 2800 | 2,47 | 0,37 | 1.200 | 43 | 6,20 | **1.403,40** |
| 300716900 | MDI 18/8 M2 0,55kW | 2800 | 3,71 | 0,55 | 1.380 | 50 | 10,20 | **1.463,40** |
| 300717100 | MDI 20/10 M2 1,1kW | 2800 | 6,71 | 1,10 | 2.160 | 52 | 19 | **1.799,20** |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| 300716300 | MDI 13/6 M4 0,12kW | 1380 | 0,93 | 0,12 | 420 | 22 | 4,90 | **1.079,70** |
| 300716500 | MDI 13/8 M4 0,12kW | 1380 | 0,93 | 0,12 | 480 | 26 | 5,80 | **1.127,70** |
| 300716800 | MDI 16/8 M4 0,12kW | 1380 | 0,93 | 0,12 | 660 | 30 | 9 | **1.355,70** |
| 300717000 | MDI 18/8 M4 0,25kW | 1400 | 1,6 | 0,25 | 960 | 31 | 9,70 | **1.391,50** |
| 300717200 | MDI 20/10 M4 0,25kW | 1400 | 1,6 | 0,25 | 1.200 | 32 | 11 | **1.583,60** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 300717600 | MDI 10/5 T2 0,12kW | 2800 | 0,64 | 0,36 | 0,12 | 360 | 26 | 2,40 | **875,70** |
| 300717800 | MDI 13/6 T2 0,18kW | 2800 | 0,87 | 0,51 | 0,18 | 600 | 37 | 5,30 | **965,80** |
| 300718100 | MDI 13/8 T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 660 | 38 | 9,40 | **1.025,50** |
| 300718200 | MDI 16/8 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.200 | 43 | 6,20 | **1.289,70** |
| 300718400 | MDI 18/8 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.380 | 50 | 10,20 | **1.319,30** |
| 300718600 | MDI 20/10 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 2.160 | 52 | 19 | **1.583,60** |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 300717900 | MDI 13/6 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 420 | 22 | 4,90 | **965,80** |
| 300718000 | MDI 13/8 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 480 | 26 | 5,80 | **1.013,80** |
| 300718300 | MDI 16/8 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 660 | 30 | 9 | **1.241,70** |
| 300718500 | MDI 18/8 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 960 | 31 | 9,70 | **1.259,90** |
| 300718700 | MDI 20/10 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 1.200 | 32 | 11 | **1.439,60** |

KUVIO-Q EFC

**Los más silenciosos del mercado**

The quietest on the market

Folleto



*Sólo disponible para el mercado nacional | Only available for the national market*

KUVIO-Q

# MBP



ErP Exempt

60 +info Hz

## BACKWARD IMPELLER, ANTICORROSIVE PLASTIC MATERIAL

### MANUFACTURING FEATURES
- PE plastic housing.
- Backward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz.
- Standard orientation: LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: if it is clean air 70ºC, other depends on the gas (see table in documentation).

### UNDER REQUEST
- Single phase motors (up to 1,1kW).
- Special voltages fans.
- 2 speed motors.
- Motors with PTC/PTO temperature probes.
- Stainless steel motor support.
- Casing made of PP.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## TURBINA REACCIÓN, MATERIAL PLÁSTICO ANTICORROSIVO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en plástico PE.
- Turbina a reacción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina de poliéster.
- Tornillería en acero inoxidable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Orientación estándar: LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación).

### BAJO DEMANDA
- Motores monofásicos (hasta 1,1kW).
- Voltajes especiales.
- Motores 2 velocidades.
- Motores con sondas de temperatura PTC/PTO.
- Pie soporte en acero inoxidable.
- Carcasa en PP.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502202013 | MBP 20 T2 0,18kW | 2710 | 1,00 | 0,55 | 0,18 | 1.110 | 64 | 9 | **1.147,90** |
| 502202214 | MBP 22 T2 0,25kW | 2710 | 1,2 | 0,71 | 0,25 | 1.520 | 68 | 10 | **1.160,00** |
| 502202515 | MBP 25 T2 0,37kW | 2730 | 1,7 | 0,97 | 0,37 | 2.110 | 71 | 13 | **1.566,40** |
| 502202817 | MBP 28 T2 0,75kW | 2840 | 3,00 | 1,75 | 0,75 | 3.140 | 76 | 19 | **1.965,60** |
| 502203119 | MBP 31 T2 1,5kW | 2850 | 5,5 | 3,2 | 1,50 | 4.360 | 76 | 26 | **2.458,40** |
| 502203527 | MBP 35 T2 2,2kW | 2860 | 7,9 | 4,54 | 2,20 | 6.630 | 80 | 32 | **2.755,80** |
| 502204534 | MBP 45 T2 5,5kW | 2900 | - | 11,00 | 5,50 | 11.770 | 76 | 57 | **7.018,00** |

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502202039 | MBP 20 T4 0,12kW | 1360 | 1,00 | 0,55 | 0,12 | 580 | 50 | 9 | **1.147,90** |
| 502202239 | MBP 22 T4 0,12kW | 1400 | 1,38 | 0,79 | 0,25 | 770 | 53 | 13 | **1.151,00** |
| 502202539 | MBP 25 T4 0,12kW | 1360 | 1,00 | 0,55 | 0,12 | 1.100 | 57 | 10 | **1.482,10** |
| 502202840 | MBP 28 T4 0,18kW | 1310 | 1,2 | 0,7 | 0,18 | 1.570 | 59 | 14 | **1.899,70** |
| 502203141 | MBP 31 T4 0,25kW | 1350 | 1,4 | 0,8 | 0,25 | 2.170 | 59 | 19 | **2.028,20** |
| 502203542 | MBP 35 T4 0,37kW | 1370 | 1,9 | 1,1 | 0,37 | 3.310 | 64 | 23 | **2.273,00** |
| 502204043 | MBP 40 T4 0,55kW | 1370 | 2,7 | 1,58 | 0,55 | 4.510 | 68 | 33 | **3.107,60** |
| 502204545 | MBP 45 T4 1,1kW | 1420 | 4,3 | 2,5 | 1,10 | 6.060 | 68 | 40 | **3.499,90** |

## 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502203168 | MBP 31 T6 0,18kW | 880 | 1,2 | 0,7 | 0,18 | 1.410 | 50 | 19 | **2.020,90** |
| 502203568 | MBP 35 T6 0,18kW | 880 | 1,2 | 0,7 | 0,18 | 2.140 | 54 | 23 | **2.265,50** |
| 502204069 | MBP 40 T6 0,25kW | 900 | 1,5 | 0,87 | 0,25 | 2.920 | 58 | 30 | **2.812,50** |
| 502204570 | MBP 45 T6 0,37kW | 900 | 2,1 | 1,23 | 0,37 | 3.930 | 54 | 37 | **3.063,40** |

## ACCESSORIES FOR MBP | ACCESORIOS PARA MBP



### FJ
Flexible joint
Junta flexible

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| FJ-160 | FJ Ø160 | MBP-MBPX 20 | **59,50** |
| FJ-200 | FJ Ø200 | MBP-MBPX 22, 25 | **69,60** |
| FJ-225 | FJ Ø225 | MBP-MBPX 28 | **74,50** |
| FJ-250 | FJ Ø250 | MBP-MBPX 31 | **84,10** |
| FJ-280 | FJ Ø280 | MBP-MBPX 35 | **89,30** |
| FJ-315 | FJ Ø315 | MBP-MBPX 40 | **99,20** |
| FJ-355 | FJ Ø355 | MBP-MBPX 45 | **114,20** |



### DG
Diffusor with grid
Difusor con rejilla

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| DG160 | DG Ø160 | MBP-MBPX 20 | **129,10** |
| DG200 | DG Ø200 | MBP-MBPX 22, 25 | **168,80** |
| DG225 | DG Ø225 | MBP-MBPX 28 | **193,30** |
| DG250 | DG Ø250 | MBP-MBPX 31 | **228,10** |
| DG280 | DG Ø280 | MBP-MBPX 35 | **243,00** |
| DG315 | DG Ø315 | MBP-MBPX 40 | **252,90** |
| DG355 | DG Ø355 | MBP-MBPX 45 | **312,50** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CSC160 | CSC Ø160 | MBP-MBPX 20 | **247,90** |
| CSC200 | CSC Ø200 | MBP-MBPX 22, 25 | **307,40** |
| CSC225 | CSC Ø225 | MBP-MBPX 28 | **357,00** |
| CSC250 | CSC Ø250 | MBP-MBPX 31 | **396,70** |
| CSC280 | CSC Ø280 | MBP-MBPX 35 | **426,40** |
| CSC315 | CSC Ø315 | MBP-MBPX 40 | **451,20** |
| CSC355 | CSC Ø355 | MBP-MBPX 45 | **500,70** |



### AD
Adjustable damper
Compuerta ajustable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AD-160 | AD Ø160 | MBP-MBPX 20 | **233,00** |
| AD-200 | AD Ø200 | MBP-MBPX 22, 25 | **262,90** |
| AD-225 | AD Ø225 | MBP-MBPX 28 | **277,80** |
| AD-250 | AD Ø250 | MBP-MBPX 31 | **287,50** |
| AD-280 | AD Ø280 | MBP-MBPX 35 | **302,40** |
| AD-315 | AD Ø315 | MBP-MBPX 40 | **357,00** |
| AD-355 | AD Ø355 | MBP-MBPX 45 | **361,90** |



### PC
Housing protection
Protección de carcasa

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PC20 | PC 20 | MBP-MBPX 20 | **84,10** |
| PC25 | PC 25 | MBP-MBPX 25 | **84,10** |
| PC28 | PC 28 | MBP-MBPX 28 | **138,70** |
| PC31 | PC 31 | MBP-MBPX 31 | **153,70** |
| PC35 | PC 35 | MBP-MBPX 35 | **168,80** |
| PC40 | PC 40 | MBP-MBPX 40 | **168,80** |
| PC45 | PC 45 | MBP-MBPX 45 | **188,50** |



### PCM
Motor protection cover
Tapa protección motor

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PCM1 | PCM 1 | MBP-MBPX 20, 25, 28 | **39,70** |
| PCM2 | PCM 2 | MBP-MBPX 31, 35, 40 | **49,50** |
| PCM3 | PCM 3 | MBP-MBPX 45 | **59,50** |



### AV
Anti-vibration mounts kit
Kit soporte antivibración

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AV-1 | AV 1 | MBP-MBPX 20, 25, 28 | **44,60** |
| AV-2 | AV 2 | MBP-MBPX 31, 35, 40, 45 | **59,50** |



### PD
Drain plug
Tapón de drenaje

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PD1 | PD 1 | MBP-MBPX 20, 25, 28, 31, 35, 40, 45 | **24,90** |



### RPI
Stainless protection grid
Rejilla de protección inoxidable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| RPI160 | RPI Ø160 | MBP-MBPX 20 | **57,90** |
| RPI200 | RPI Ø200 | MBP-MBPX 25 | **62,70** |
| RPI225 | RPI Ø225 | MBP-MBPX 28 | **72,50** |
| RPI250 | RPI Ø250 | MBP-MBPX 31 | **77,30** |
| RPI280 | RPI Ø280 | MBP-MBPX 35 | **86,90** |
| RPI315 | RPI Ø315 | MBP-MBPX 40 | **106,20** |
| RPI355 | RPI Ø355 | MBP-MBPX 45 | **115,90** |



### WS
Wall bracket
Soporte para pared

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| WS1 | WS 1 | MBP-MBPX 20, 25, 28, 31, 35, 40, 45 | **198,20** |

# MBPC



ErP Exempt

60 +Info Hz

## FORWARD IMPELLER, ANTICORROSIVE PLASTIC MATERIAL

### MANUFACTURING FEATURES
- PE plastic housing.
- Forward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz.
- Standard orientation: LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: if it is clean air 70ºC, other depends on the gas (see table in documentation).

### UNDER REQUEST
- Single phase motors (up to 1,1kW).
- 2 speed motors.
- Motors with PTC/PTO temperature probes.
- Stainless steel motor support.
- Casing made of PP.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## TURBINA ACCIÓN, MATERIAL PLÁSTICO ANTICORROSIVO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en plástico PE.
- Turbina a acción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina de poliéster.
- Tornillería en acero inoxidable
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Orientación estándar: LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación).

### BAJO DEMANDA
- Motores monofásicos (hasta 1,1kW).
- Motores 2 velocidades.
- Motores con sondas de temperatura PTC/PTO.
- Pie soporte en acero inoxidable.
- Carcasa en PP.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502302014 | MBPC 20 T2 0,25kW | 2710 | 1,2 | 0,71 | 0,25 | 610 | 63 | 10 | **971,30** |
| 502302517 | MBPC 25 T2 0,75kW | 2840 | 3,00 | 1,75 | 0,75 | 1.220 | 68 | 17 | **1.276,20** |
| 502302818 | MBPC 28 T2 1,1kW | 2850 | 4,2 | 2,42 | 1,10 | 1.690 | 73 | 20 | **1.553,30** |
| 502303119 | MBPC 31 T2 1,5kW | 2850 | 5,5 | 3,2 | 1,50 | 2.710 | 74 | 31 | **1.878,10** |
| 502303527 | MBPC 35 T2 2,2kW | 2860 | 7,9 | 4,54 | 2,20 | 2.710 | 76 | 50 | **5.840,00** |
| 502304032 | MBPC 40 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 4.090 | 79 | 47 | **3.484,40** |
| 502304034 | MBPC 40 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 5.600 | 79 | 50 | **4.013,30** |

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502302039 | MBPC 20 T4 0,12kW | 1360 | 1,00 | 0,55 | 0,12 | 310 | 47 | 9 | **965,20** |
| 502302540 | MBPC 25 T4 0,18kW | 1310 | 1,2 | 0,7 | 0,18 | 630 | 53 | 13 | **1.119,40** |
| 502302840 | MBPC 28 T4 0,18kW | 1310 | 1,2 | 0,7 | 0,18 | 860 | 58 | 16 | **1.367,30** |
| 502303141 | MBPC 31 T4 0,25kW | 1350 | 1,4 | 0,8 | 0,25 | 1.510 | 58 | 24 | **1.603,70** |
| 502303542 | MBPC 35 T4 0,37kW | 1370 | 1,9 | 1,1 | 0,37 | 2.110 | 61 | 40 | **5.440,00** |
| 502304044 | MBPC 40 T4 0,75kW | 1410 | 3,1 | 1,79 | 0,75 | 2.550 | 64 | 31 | **2.242,60** |
| 502304545 | MBPC 45 T4 1,5kW | 1420 | 5,7 | 3,31 | 1,50 | 3.900 | 66 | 65 | **7.413,30** |
| 502305054 | MBPC 50 T4 2,2kW | 1440 | 8,4 | 4,83 | 2,20 | 5.250 | 75 | 70 | **11.640,00** |
| 502305661 | MBPC 56 T4 5,5kW | 1450 | - | 10,9 | 5,50 | 8.990 | 77 | 110 | **13.160,00** |
| 502306363 | MBPC 63 T4 7,5kW | 1440 | - | 15,00 | 7,50 | 12.380 | 84 | 112 | **14.928,90** |

## 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502303167 | MBPC 31 T6 0,12kW | 850 | 1,1 | 0,62 | 0,12 | 990 | 58 | 20 | **1.631,20** |
| 502304069 | MBPC 40 T6 0,25kW | 900 | 1,5 | 0,87 | 0,25 | 1.670 | 53 | 28 | **2.158,40** |
| 502305072 | MBPC 50 T6 0,75kW | 925 | 3,5 | 2,01 | 0,75 | 3.440 | 63 | 62 | **11.293,30** |
| 502305678 | MBPC 56 T6 2,2kW | 945 | 8,9 | 5,12 | 2,20 | 5.890 | 66 | 87 | **12.524,40** |
| 502306380 | MBPC 63 T6 3kW | 960 | 12,4 | 7,2 | 3,00 | 7.682 | 72 | 110 | **14.435,60** |

## ACCESSORIES FOR MBPC | ACCESORIOS PARA MBPC



### FJ
Flexible joint
Junta flexible

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| FJ-125 | FJ Ø125 | MBPC-MBPCX 20 | **44,60** |
| FJ-160 | FJ Ø160 | MBPC-MBPCX 25 | **59,50** |
| FJ-180 | FJ Ø180 | MBPC-MBPCX 28 | **64,30** |
| FJ-200 | FJ Ø200 | MBPC-MBPCX 31 | **69,60** |
| FJ-225 | FJØ225 | MBPC-MBPCX 35 | **74,50** |
| FJ-250 | FJ Ø250 | MBPC-MBPCX 40 | **84,10** |
| FJ-280 | FJ Ø280 | MBPC-MBPCX 45 | **89,30** |
| FJ-315 | FJ Ø315 | MBPC-MBPCX 50 | **99,20** |
| FJ-400 | FJ Ø400 | MBPC-MBPCX 56 | **124,00** |
| FJ-450 | FJ Ø450 | MBPC-MBPCX 63 | **140,00** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CSC125 | CSC Ø125 | MBPC-MBPCX 20 | **208,50** |
| CSC160 | CSC Ø160 | MBPC-MBPCX 25 | **247,90** |
| CSC180 | CSC Ø180 | MBPC-MBPCX 28 | **282,60** |
| CSC200 | CSC Ø200 | MBPC-MBPCX 31 | **307,40** |
| CSC225 | CSC Ø225 | MBPC-MBPCX 35 | **357,00** |
| CSC250 | CSC Ø250 | MBPC-MBPCX 40 | **396,70** |
| CSC280 | CSC Ø280 | MBPC-MBPCX 45 | **426,40** |
| CSC315 | CSC Ø315 | MBPC-MBPCX 50 | **451,20** |
| CSC400 | CSC Ø400 | MBPC-MBPCX 56 | **530,70** |
| CSC450 | CSC Ø450 | MBPC-MBPCX 63 | **890,00** |



### AV
Anti-vibration mounts kit
Kit soporte antivibración

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AV-1 | AV 1 | MBPC-MBPCX 20, 25, 28 | **44,60** |
| AV-2 | AV 2 | MBPC-MBPCX 31, 40, 45 | **59,50** |
| AV-3 | AV 3 | MBPC-MBPCX 50, 56 | **138,70** |



### WS
Wall bracket
Soporte para pared

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| WS1 | WS 1 | MBP-MBPX 20, 25, 28, 31, 35, 40, 45 | **198,20** |



### DG
Diffusor with grid
Difusor con rejilla

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| DG125 | DG Ø125 | MBPC-MBPCX 20 | **109,10** |
| DG160 | DG Ø160 | MBPC-MBPCX 25 | **129,10** |
| DG180 | DG Ø180 | MBPC-MBPCX 28 | **143,80** |
| DG200 | DG Ø200 | MBPC-MBPCX 31 | **168,80** |
| DG225 | DG Ø225 | MBPC-MBPCX 35 | **193,30** |
| DG250 | DG Ø250 | MBPC-MBPCX 40 | **228,10** |
| DG280 | DG Ø280 | MBPC-MBPCX 45 | **243,00** |
| DG315 | DG Ø315 | MBPC-MBPCX 50 | **252,90** |
| DG400 | DG Ø400 | MBPC-MBPCX 56 | **357,00** |
| DG450 | DG Ø450 | MBPC-MBPCX 63 | **535,00** |



### RPI
Stainless protection grid
Rejilla de protección inoxidable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| RPI125 | RPI Ø125 | MBPC-MBPCX 20 | **53,10** |
| RPI160 | RPI Ø160 | MBPC-MBPCX 25 | **57,90** |
| RPI180 | RPI Ø180 | MBPC-MBPCX 28 | **62,70** |
| RPI200 | RPI Ø200 | MBPC-MBPCX 31 | **62,70** |
| RPI250 | RPI Ø250 | MBPC-MBPCX 40 | **77,30** |
| RPI280 | RPI Ø280 | MBPC-MBPCX 45 | **86,90** |
| RPI315 | RPI Ø315 | MBPC-MBPCX 50 | **106,20** |



### PD
Drain plug
Tapón de drenaje

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PD1 | PD 1 | MBPC-MBPCX 20, 25, 28, 31, 40, 45 | **24,90** |
| PD2 | PD 2 | MBPC-MBPCX 50, 56, 63 | **79,40** |

# MBPN



ErP Exempt

60 +info Hz

## MEDIUM PRESSURE WITH BACKWARD IMPELLER AND PLASTIC CONSTRUCTION

### MANUFACTURING FEATURES

- PE moulded housing.
- Backward impeller with self-cleaning system in PP.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz for motors until 4kW and 400/690V 50Hz for upper motors
- Standard orientation: LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: If it is clean air 70ºC, other depends on the gas (see table in documentation)

### UNDER REQUEST

- Single phase motors (up to 1,1Kw).
- Fans for special voltages.
- 2 speed motors.
- Stainless steel motor support.
- Casing made of PP.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR PLÁSTICO CON TURBINA REACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en PE.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción) en PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina de poliéster.
- Tornillería en acero inoxidable
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores hasta 4kW y 400/690V 50Hz para potencias superiores
- Orientación estándar: LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación)

### BAJO DEMANDA

- Motores monofásicos (hasta 1,1kW).
- Ventiladores para voltajes especiales.
- Motores 2 velocidades.
- Pie soporte en acero inoxidable.
- Carcasa en PP.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 510704536 | MBPN 45 T2 7,5kW | 2910 | 14,1 | 7,50 | 13.000 | 88 | 72 | **10.928,30** |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510705054 | MBPN 50 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 9.000 | 76 | 70 | **11.754,90** |
| 510705659 | MBPN 56 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 13.000 | 76 | 110 | **13.777,80** |
| 510706361 | MBPN 63 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 17.800 | 76 | 112 | **15.700,40** |
| 510708055 | MBPN 80 T4 22kW | 1465 | - | 40,1 | 22,00 | 38.500 | 77 | 400 | **33.724,20** |

## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510705071 | MBPN 50 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.000 | 67 | 62 | **11.028,50** |
| 510705673 | MBPN 56 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 8.500 | 66 | 87 | **12.938,60** |
| 510706378 | MBPN 63 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 11.500 | 66 | 102 | **14.804,80** |
| 510708087 | MBPN 80 T6 7,5kW | 965 | - | 15,2 | 7,50 | 15.000 | 67 | 390 | **30.799,60** |

## ACCESSORIES FOR MBPN | ACCESORIOS PARA MBPN



### FJ
Flexible joint
Junta flexible

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| FJ-355 | FJ Ø355 | MBPN-MBPNX ATEX 45 | **114,20** |
| FJ-400 | FJ Ø400 | MBPN-MBPNX ATEX 50 | **124,00** |
| FJ-450 | FJ Ø450 | MBPN-MBPNX ATEX 56 | **140,00** |
| FJ-500 | FJ Ø500 | MBPN-MBPNX ATEX 63 | **155,00** |
| FJ-700 | FJ Ø700 | MBPN-MBPNX ATEX 80 | **210,00** |



### DG
Diffusor with grid
Difusor con rejilla

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| DG355 | DG Ø355 | MBPN-MBPNX ATEX 45 | **312,50** |
| DG400 | DG Ø400 | MBPN-MBPNX ATEX 50 | **357,00** |
| DG450 | DG Ø450 | MBPN-MBPNX ATEX 56 | **535,00** |
| DG500 | DG Ø500 | MBPN-MBPNX ATEX 63 | **580,00** |
| DG700 | DG Ø700 | MBPN-MBPNX ATEX 80 | **890,00** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CSC355 | CSC Ø355 | MBPN-MBPNX ATEX 45 | **500,70** |
| CSC400 | CSC Ø400 | MBPN-MBPNX ATEX 50 | **530,70** |
| CSC450 | CSC Ø450 | MBPN-MBPNX ATEX 56 | **890,00** |
| CSC500 | CSC Ø500 | MBPN-MBPNX ATEX 63 | **975,00** |
| CSC700 | CSC Ø700 | MBPN-MBPNX ATEX 80 | **1.605,00** |



### AD
Adjustable damper
Compuerta ajustable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AD-355 | AD Ø355 | MBPN-MBPNX ATEX 45 | **361,90** |
| AD-400 | AD Ø400 | MBPN-MBPNX ATEX 50 | **395,00** |
| AD-450 | AD Ø450 | MBPN-MBPNX ATEX 56 | **2.070,00** |
| AD-500 | AD Ø500 | MBPN-MBPNX ATEX 63 | **2.490,00** |
| AD-700 | AD Ø700 | MBPN-MBPNX ATEX 80 | **3.860,00** |



### PD
Drain plug
Tapón de drenaje

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PD1 | PD1 | MBPN-MBPNX ATEX 50 | **24,90** |
| PD2 | PD2 | MBPN-MBPNX ATEX 56-80 | **79,00** |

# BSTB



SIMPLE INLET BACKWARD IMPELLER WITH FREE SHAFT

**MANUFACTURING FEATURES**
- Fully made of galvanized steel sheet.
- Single inlet backward curved impeller in all models.
- Belt driven shaft with anticorrosion treatment.

**APPLICATIONS**
Designed for assembly in equipment:
- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: carried air: 100ºC.

VENTILADOR A REACCIÓN SIMPLE ASPIRACIÓN A EJE LIBRE

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Ventiladores totalmente fabricados en acero.
- Turbina de álabes curvados hacia atrás de simple oído.
- Eje de transmisión con tratamiento anticorrosión

**APLICACIONES**
Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 100ºC.

## ACCESSORIES | ACCESORIOS



**SIL-C pg.505**
Duct circular silencer.
Silenciador circular conducto.



**BA-400 pg.484**
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45 pg.484**
Flexible joint.
Junta elástica.

| Code | Model | R.P.M. | Máx. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 300784400 | BSTB 315 | 1400/3250 | 3 | 5.500 | 69 | 63 | **668,80** |
| 300784500 | BSTB 355 | 1300/2900 | 3 | 7.000 | 68 | 64 | **794,10** |
| 300784600 | BSTB 400 | 1200/2800 | 4 | 8.700 | 74 | 66 | **991,00** |
| 300784700 | BSTB 450 | 1200/2800 | 7,5 | 13.000 | 79 | 93 | **1.274,80** |
| 300784800 | BSTB 500 | 900/2500 | 7,5 | 14.300 | 78 | 116 | **1.538,00** |
| 300822600 | BSTB 560 | 800/2200 | 11 | 19.100 | 79 | 146 | **2.074,50** |
| 300822700 | BSTB 630 | 800/1900 | 15 | 24.170 | 79 | 185 | **2.234,70** |
| 300822800 | BSTB 710 | 600/1800 | 18,5 | 29.390 | 79 | 223 | **2.753,20** |



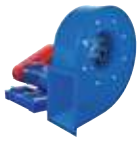
**MTCA**



**MTRL**



**MTRM**



**MTRU**



**MTGR**



**MTZM P/R**

ErP 60 +info Hz

## DIFFERENT CONFIGURATIONS OF FREE SHAFT WITHOUT MOTOR OR BELT DRIVEN MOTOR

### MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and protected against corrosion with polyester powder finishing coat.
- Forward models (MTCA) with galvanized sheet impeller, and backward models (rest of series) with sheet steel impeller protected against corrosion by polyester resin coating. MTZM P/R range with straight blade impeller in steel sheet protected with polyester powder.
- Motorized fan with base frame (configuration 12). Full equipped fans including: motor, pulleys, belts, belts guard and shaft guard. Fitted over a base plate.
- For models with motor: standard squirrel cage asynchronous motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Optional front support up to size 500, size 560 and upper front support is included.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air and pneumatic transport.
- Clean air or slightly dusty air transport (MTCA and MTRL).
- Transport of dusty air or with low load of granulated materials (MTRM y MTRU).
- Solid material transport and textile fibers (MTGR and MTZM P/R).

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- Fan with free shaft (configuration 1) or with motor supported on the pedestal side (configuration 9).
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

## EJE LIBRE SIN MOTOR O MOTOR A TRANSMISIÓN EN DIFERENTES CONFIGURACIONES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado totalmente soldada y protegida contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Turbina de chapa galvanizada para modelos a acción (MTCA) o de chapa de acero para los de reacción (resto de series) protegida contra la corrosión mediante recubrimiento de resina de poliéster. La serie MTZM P/R lleva turbina de pala recta en chapa de acero protegida con poliéster.
- Ventilador con motor montado sobre bancada (sistema 12). Equipo completo que incluye: motor, correas, poleas, protector de transmisión y eje.
- Para modelos con motor: motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Aire limpio y transporte neumático.
- Transporte de aire limpio o ligeramente polvoriento (MTCA y MTRL).
- Transporte de aire polvoriento o con ligera carga de materiales granulados (MTRM y MTRU).
- Transporte de materia sólida y fibra textil (MTGR y MTZM P/R).

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Ventilador a eje libre (sistema 1) o con motor en mochila (sistema 9).
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

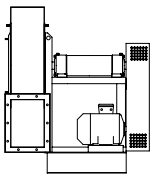


**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)



### MTCA

Centrifugal belt driven fan to move clean air
Ventilador centrífugo a transmisión para mover aire limpio

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 220 | 3.758,60 | 3.826,70 | 3.846,30 | 3.875,50 | 4.020,20 | 4.141,40 | | | | | | | | | |
| MTCA 250 | 4.084,30 | 4.152,40 | 4.172,00 | 4.201,20 | 4.345,90 | 4.467,10 | 4.676,20 | | | | | | | | |
| MTCA 280 | 4.375,60 | 4.443,70 | 4.463,30 | 4.492,50 | 4.637,20 | 4.758,40 | 4.967,50 | | | | | | | | |
| MTCA 310 | | 4.767,00 | 4.786,60 | 4.815,80 | 4.960,50 | 5.081,70 | 5.290,80 | 5.575,20 | | | | | | | |
| MTCA 350 | | 5.214,10 | 5.233,70 | 5.262,90 | 5.407,60 | 5.528,80 | 5.737,90 | 6.022,30 | 6.314,70 | 6.647,60 | | | | | |
| MTCA 400 | | | | | | 6.149,00 | 6.358,10 | 6.642,50 | 6.934,90 | 7.267,80 | 8.537,20 | 9.069,50 | | | |
| MTCA 450 | | | | | | 6.593,90 | 6.803,00 | 7.087,40 | 7.379,80 | 7.712,70 | 8.982,10 | 9.514,40 | | | |
| MTCA 500 | | | | | | | 7.805,50 | 8.089,90 | 8.382,30 | 8.715,20 | 9.984,60 | 10.516,90 | 11.560,40 | 11.917,70 | |
| MTCA 560 | | | | | | | | 9.281,80 | 9.574,20 | 9.907,10 | 11.176,50 | 11.708,80 | 12.752,30 | 13.109,60 | 14.617,30 |
| MTCA 630 | | | | | | | | | 10.754,20 | 11.087,10 | 12.356,50 | 12.888,80 | 13.932,30 | 14.289,60 | 15.797,30 |

### MTRL

Centrifugal belt driven fan, for clean or slightly dusty air
Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| MTRL 250 | 3.968,40 | 4.036,50 | 4.056,10 | 4.085,30 | 4.230,00 | 4.351,20 | 4.560,30 | | | | | | | | | | |
| MTRL 280 | 4.318,90 | 4.387,00 | 4.406,60 | 4.435,80 | 4.580,50 | 4.701,70 | 4.910,80 | | | | | | | | | | |
| MTRL 310 | | 4.813,90 | 4.833,50 | 4.862,70 | 5.007,40 | 5.128,60 | 5.337,70 | 5.622,10 | | | | | | | | | |
| MTRL 350 | | 5.554,50 | 5.574,10 | 5.603,30 | 5.748,00 | 5.869,20 | 6.078,30 | 6.362,70 | | | | | | | | | |
| MTRL 400 | | | | | 6.382,90 | 6.504,10 | 6.713,20 | 6.997,60 | 7.290,00 | 7.622,90 | 8.892,30 | | | | | | |
| MTRL 450 | | | | | | 6.914,50 | 7.123,60 | 7.408,00 | 7.700,40 | 8.033,30 | 9.302,70 | 9.835,00 | | | | | |
| MTRL 500 | | | | | | 7.904,70 | 8.113,80 | 8.398,20 | 8.690,60 | 9.023,50 | 10.292,90 | 10.825,20 | | | | | |
| MTRL 560 | | | | | | | 9.179,90 | 9.464,30 | 9.756,70 | 10.089,60 | 11.359,00 | 11.891,30 | 12.934,80 | 13.292,10 | | | |
| MTRL 630 | | | | | | | 10.266,10 | 10.550,50 | 10.842,90 | 11.175,80 | 12.445,20 | 12.977,50 | 14.021,00 | 14.378,30 | | | |
| MTRL 710 | | | | | | | | | 13.340,90 | 13.673,80 | 14.943,20 | 15.475,50 | 16.519,00 | 16.876,30 | 18.384,00 | 19.617,30 | |
| MTRL 800 | | | | | | | | | 15.096,50 | 15.429,40 | 16.698,80 | 17.231,10 | 18.274,60 | 18.631,90 | 20.139,60 | 21.372,90 | 22.214,50 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 | 220 | 250 | 280 | 315 |
| MTRL 900 | 19.095,20 | 19.627,50 | 20.671,00 | 21.028,30 | 22.536,00 | 23.769,30 | 24.610,90 | 26.554,80 | | | | | | | | | | |
| MTRL 1000 | 22.192,70 | 22.725,00 | 23.768,50 | 24.125,80 | 25.633,50 | 26.866,80 | 27.708,40 | 29.652,30 | | | | | | | | | | |
| MTRL 1120 | | 31.753,60 | 32.797,10 | 33.154,40 | 34.662,10 | 35.895,40 | 36.737,00 | 38.680,90 | 44.686,60 | 46.578,90 | | | | | | | | |
| MTRL 1250 | | | | | 40.898,50 | 42.131,80 | 42.973,40 | 44.917,30 | 50.923,00 | 52.815,30 | | | | | | | | |
| MTRL 1400 | | | | | | | 51.357,70 | 53.301,60 | 59.307,30 | 61.199,60 | 69.506,50 | 72.637,10 | | | | | | |
| MTRL 1600 | | | | | | | 66.704,10 | 68.648,00 | 74.653,70 | 76.546,00 | 84.852,90 | 87.983,50 | 91.565,70 | | | | | |
| MTRL 1800 | | | | | | | 82.179,40 | 84.123,30 | 90.129,00 | 92.021,30 | 100.328,20 | 103.458,80 | 107.041,00 | 112.736,90 | | | | |
| MTRL 2000 | | | | | | | | | 109.159,20 | 111.051,50 | 119.358,40 | 122.489,00 | 126.071,20 | 131.767,10 | 144.526,20 | 145.453,30 | 153.835,10 | 157.252,60 |

## MTRM

Centrifugal belt driven fan, for clean or dusty air
Ventilador centrífugo a transmisión, para aire limpio o polvoriento

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRM 220 | 3.487,30 | 3.555,40 | 3.575,00 | 3.604,20 | 3.748,90 | 3.870,10 | | | | | | | | | | | | |
| MTRM 250 | 3.751,40 | 3.819,50 | 3.839,10 | 3.868,30 | 4.013,00 | 4.134,20 | 4.343,30 | | | | | | | | | | | |
| MTRM 280 | 4.074,70 | 4.142,80 | 4.162,40 | 4.191,60 | 4.336,30 | 4.457,50 | 4.666,60 | 4.951,00 | | | | | | | | | | |
| MTRM 310 | | 4.429,10 | 4.448,70 | 4.477,90 | 4.622,60 | 4.743,80 | 4.952,90 | 5.237,30 | | | | | | | | | | |
| MTRM 350 | | 5.048,80 | 5.068,40 | 5.097,60 | 5.242,30 | 5.363,50 | 5.572,60 | 5.857,00 | 6.149,40 | 6.482,30 | | | | | | | | |
| MTRM 400 | | 5.671,40 | 5.691,00 | 5.720,20 | 5.864,90 | 5.986,10 | 6.195,20 | 6.479,60 | 6.772,00 | 7.104,90 | | | | | | | | |
| MTRM 450 | | | | 6.170,20 | 6.314,90 | 6.436,10 | 6.645,20 | 6.929,60 | 7.222,00 | 7.554,90 | 8.824,30 | 9.356,60 | | | | | | |
| MTRM 500 | | | | | | 7.325,10 | 7.534,20 | 7.818,60 | 8.111,00 | 8.443,90 | 9.713,30 | 10.245,60 | 11.289,10 | 11.646,40 | | | | |
| MTRM 560 | | | | | | | | 9.220,20 | 9.512,60 | 9.845,50 | 11.114,90 | 11.647,20 | 12.690,70 | 13.048,00 | 14.555,70 | | | |
| MTRM 630 | | | | | | | | 10.407,60 | 10.700,00 | 11.032,90 | 12.302,30 | 12.834,60 | 13.878,10 | 14.235,40 | 15.743,10 | 16.976,40 | | |
| MTRM 710 | | | | | | | | | 13.008,00 | 13.340,90 | 14.610,30 | 15.142,60 | 16.186,10 | 16.543,40 | 18.051,10 | 19.284,40 | 20.126,00 | 22.069,90 |
| MTRM 800 | | | | | | | | | 14.250,60 | 14.583,50 | 15.852,90 | 16.385,20 | 17.428,70 | 17.786,00 | 19.293,70 | 20.527,00 | 21.368,60 | 23.312,50 |
| MTRM 900 | | | | | | | | | | 17.228,90 | 18.498,30 | 19.030,60 | 20.074,10 | 20.431,40 | 21.939,10 | 23.172,40 | 24.014,00 | 25.957,90 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 | 220 | 250 | 280 | 315 |
| MTRM 1000 | 21.257,80 | 21.790,10 | 22.833,60 | 23.190,90 | 24.698,60 | 25.931,90 | 26.773,50 | 28.717,40 | 34.723,10 | 36.615,40 | | | | | | | | |
| MTRM 1120 | 30.555,40 | 31.087,70 | 32.131,20 | 32.488,50 | 33.996,20 | 35.229,50 | 36.071,10 | 38.015,00 | 44.020,70 | 45.913,00 | | | | | | | | |
| MTRM 1250 | | | 38.537,70 | 38.895,00 | 40.402,70 | 41.636,00 | 42.477,60 | 44.421,50 | 50.427,20 | 52.319,50 | 60.626,40 | 63.757,00 | 67.339,20 | 73.035,10 | | | | |
| MTRM 1400 | | | | | 47.869,50 | 49.102,80 | 49.944,40 | 51.888,30 | 57.894,00 | 59.786,30 | 68.093,20 | 71.223,80 | 74.806,00 | 80.501,90 | | | | |
| MTRM 1600 | | | | | 62.508,20 | 63.741,50 | 64.583,10 | 66.527,00 | 72.532,70 | 74.425,00 | 82.731,90 | 85.862,50 | 89.444,70 | 95.140,60 | | | | |
| MTRM 1800 | | | | | | 78.910,80 | 79.752,40 | 81.696,30 | 87.702,00 | 89.594,30 | 97.901,20 | 101.031,80 | 104.614,00 | 110.309,90 | 123.069,00 | 123.996,10 | 132.377,90 | 135.795,40 |
| MTRM 2000 | | | | | | | 99.303,10 | 101.247,00 | 107.252,70 | 109.145,00 | 117.451,90 | 120.582,50 | 124.164,70 | 129.860,60 | 142.619,70 | 143.546,80 | 151.928,60 | 155.346,10 |

## MTRU

Centrifugal belt driven fan, for clean or dusty air
Ventilador centrífugo a transmisión, para aire limpio o polvoriento

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRU 250 | 3.788,40 | 3.856,50 | 3.876,10 | 3.905,30 | 4.050,00 | 4.171,20 | | | | | | | | | | | | |
| MTRU 280 | 4.111,70 | 4.179,80 | 4.199,40 | 4.228,60 | 4.373,30 | 4.494,50 | 4.703,60 | | | | | | | | | | | |
| MTRU 310 | | 4.471,00 | 4.490,60 | 4.519,80 | 4.664,50 | 4.785,70 | 4.994,80 | 5.279,20 | | | | | | | | | | |
| MTRU 350 | | 5.108,10 | 5.127,70 | 5.156,90 | 5.301,60 | 5.422,80 | 5.631,90 | 5.916,30 | | | | | | | | | | |
| MTRU 400 | | | | | 5.998,20 | 6.119,40 | 6.328,50 | 6.612,90 | 6.905,30 | 7.238,20 | 8.507,60 | | | | | | | |
| MTRU 450 | | | | | | 6.611,30 | 6.820,40 | 7.104,80 | 7.397,20 | 7.730,10 | 8.999,50 | 9.531,80 | 10.575,30 | | | | | |
| MTRU 500 | | | | | | | 7.741,30 | 8.025,70 | 8.318,10 | 8.651,00 | 9.920,40 | 10.452,70 | 11.496,20 | 11.853,50 | | | | |
| MTRU 560 | | | | | | | | 9.523,50 | 9.815,90 | 10.148,80 | 11.418,20 | 11.950,50 | 12.994,00 | 13.351,30 | 14.859,00 | | | |
| MTRU 630 | | | | | | | | | 11.092,20 | 11.425,10 | 12.694,50 | 13.226,80 | 14.270,30 | 14.627,60 | 16.135,30 | 17.368,60 | | |
| MTRU 710 | | | | | | | | | | 13.844,00 | 15.113,40 | 15.645,70 | 16.689,20 | 17.046,50 | 18.554,20 | 19.787,50 | 20.629,10 | 22.573,00 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 | 220 | 250 | 280 | 315 |
| MTRU 800 | 16.701,20 | 17.233,50 | 18.277,00 | 18.634,30 | 20.142,00 | 21.375,30 | 22.216,90 | 24.160,80 | 30.166,50 | | | | | | | | | |
| MTRU 900 | | 20.283,60 | 21.327,10 | 21.684,40 | 23.192,10 | 24.425,40 | 25.267,00 | 27.210,90 | 33.216,60 | 35.108,90 | | | | | | | | |
| MTRU 1000 | | 23.139,30 | 24.182,80 | 24.540,10 | 26.047,80 | 27.281,10 | 28.122,70 | 30.066,60 | 36.072,30 | 37.964,60 | | | | | | | | |
| MTRU 1120 | | 32.905,50 | 33.949,00 | 34.306,30 | 35.814,00 | 37.047,30 | 37.888,90 | 39.832,80 | 45.838,50 | 47.730,80 | | | | | | | | |
| MTRU 1250 | | | | | 42.987,50 | 44.220,80 | 45.062,40 | 47.006,30 | 53.012,00 | 54.904,30 | 63.211,20 | 66.341,80 | 69.924,00 | | | | | |
| MTRU 1400 | | | | | 51.391,50 | 52.624,80 | 53.466,40 | 55.410,30 | 61.416,00 | 63.308,30 | 71.615,20 | 74.745,80 | 78.328,00 | 84.023,90 | | | | |
| MTRU 1600 | | | | | | | 70.675,00 | 72.618,90 | 78.624,60 | 80.516,90 | 88.823,80 | 91.954,40 | 95.536,60 | 101.232,50 | | | | |
| MTRU 1800 | | | | | | | | | 96.652,70 | 98.545,00 | 106.851,90 | 109.982,50 | 113.564,70 | 119.260,60 | 132.019,70 | 132.946,80 | 141.328,60 | 144.746,10 |
| MTRU 2000 | | | | | | | | | 114.370,70 | 116.263,00 | 124.569,90 | 127.700,50 | 131.282,70 | 136.978,60 | 149.737,70 | 150.664,80 | 159.046,60 | 162.464,10 |

## MTGR

Centrifugal belt driven fan, for clean or slightly dusty air
Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 400 | 5.883,10 | 6.027,80 | 6.149,00 | 6.358,10 | 6.642,50 | 6.934,90 | 7.267,80 | | | | | | | | | | |
| MTGR 450 | | 6.462,90 | 6.584,10 | 6.793,20 | 7.077,60 | 7.370,00 | 7.702,90 | 8.972,30 | | | | | | | | | |
| MTGR 500 | | | 7.505,20 | 7.714,30 | 7.998,70 | 8.291,10 | 8.624,00 | 9.893,40 | 10.425,70 | | | | | | | | |
| MTGR 560 | | | | 8.992,50 | 9.276,90 | 9.569,30 | 9.902,20 | 11.171,60 | 11.703,90 | 12.747,40 | 13.104,70 | | | | | | |
| MTGR 630 | | | | | | 11.139,00 | 11.471,90 | 12.741,30 | 13.273,60 | 14.317,10 | 14.674,40 | 16.182,10 | 17.415,40 | | | | |
| MTGR 710 | | | | | | | 13.718,20 | 14.987,60 | 15.519,90 | 16.563,40 | 16.920,70 | 18.428,40 | 19.661,70 | 20.503,30 | 22.447,20 | | |
| MTGR 800 | | | | | | | | 16.513,80 | 17.046,10 | 18.089,60 | 18.446,90 | 19.954,60 | 21.187,90 | 22.029,50 | 23.973,40 | 29.979,10 | 31.871,40 |
| MTGR 900 | | | | | | | | 19.174,10 | 19.706,40 | 20.749,90 | 21.107,20 | 22.614,90 | 23.848,20 | 24.689,80 | 26.633,70 | 32.639,40 | |
| MTGR 1000 | | | | | | | | | 22.273,70 | 23.317,20 | 23.674,50 | 25.182,20 | 26.415,50 | 27.257,10 | 29.201,00 | 35.206,70 | 37.099,00 |
| MTGR 1120 | | | | | | | | | 31.884,40 | 32.927,90 | 33.285,20 | 34.792,90 | 36.026,20 | 36.867,80 | 38.811,70 | 44.817,40 | 46.709,70 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 | 220 | 250 | 280 | 315 |
| MTGR1250 | 40.678,30 | 42.186,00 | 43.419,30 | 44.260,90 | 46.204,80 | 52.210,50 | 54.102,80 | 62.409,70 | 65.540,30 | 69.122,50 | | | | | |
| MTGR1400 | | 50.661,60 | 51.894,90 | 52.736,50 | 54.680,40 | 60.686,10 | 62.578,40 | 70.885,30 | 74.015,90 | 77.598,10 | 83.294,00 | | | | |
| MTGR1600 | | 66.400,20 | 67.633,50 | 68.475,10 | 70.419,00 | 76.424,70 | 78.317,00 | 86.623,90 | 89.754,50 | 93.336,70 | 99.032,60 | | | | |
| MTGR1800 | | | | | | 91.108,20 | 93.000,50 | 101.307,40 | 104.438,00 | 108.020,20 | 113.716,10 | 126.475,20 | 127.402,30 | 135.784,10 | 139.201,60 |
| MTGR2000 | | | | | | 110.264,20 | 112.156,50 | 120.463,40 | 123.594,00 | 127.176,20 | 132.872,10 | 145.631,20 | 146.558,30 | 154.940,10 | 158.357,60 |

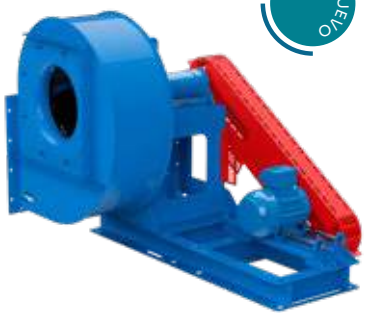
## MTZM P/R

Centrifugal belt driven fan for solid material transport
Ventilador centrífugo a transmisión para transporte de material sólido

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTZM 250 P/R | 3.748,90 | 3.817,00 | 3.836,60 | | | | | | | | | | | | |
| MTZM 280 P/R | 4.069,80 | 4.137,90 | 4.157,50 | 4.186,70 | 4.331,40 | | | | | | | | | | |
| MTZM 310 P/R | | 4.424,20 | 4.443,80 | 4.473,00 | 4.617,70 | 4.738,90 | 4.948,00 | 5.232,40 | | | | | | | |
| MTZM 350 P/R | | 5.039,00 | 5.058,60 | 5.087,80 | 5.232,50 | 5.353,70 | 5.562,80 | 5.847,20 | | | | | | | |
| MTZM 400 P/R | | | | 5.710,40 | 5.855,10 | 5.976,30 | 6.185,40 | 6.469,80 | 6.762,20 | 7.095,10 | | | | | |
| MTZM 450 P/R | | | | | | 6.401,60 | 6.610,70 | 6.895,10 | 7.187,50 | 7.520,40 | 8.789,80 | 9.322,10 | | | |
| MTZM 500 P/R | | | | | | | 7.507,00 | 7.791,40 | 8.083,80 | 8.416,70 | 9.686,10 | 10.218,40 | 11.261,90 | 11.619,20 | |
| MTZM 560 P/R | | | | | | | | 9.222,70 | 9.515,10 | 9.848,00 | 11.117,40 | 11.649,70 | 12.693,20 | 13.050,50 | 14.558,20 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM 630 P/R | 10.618,60 | 10.951,50 | 12.220,90 | 12.753,20 | 13.796,70 | 14.154,00 | 15.661,70 | 16.895,00 | | | | |
| MTZM 710 P/R | 12.773,70 | 13.106,60 | 14.376,00 | 14.908,30 | 15.951,80 | 16.309,10 | 17.816,80 | 19.050,10 | 19.891,70 | | | |
| MTZM 800 P/R | | 14.381,20 | 15.650,60 | 16.182,90 | 17.226,40 | 17.583,70 | 19.091,40 | 20.324,70 | 21.166,30 | 23.110,20 | | |
| MTZM 900 P/R | | 16.962,50 | 18.231,90 | 18.764,20 | 19.807,70 | 20.165,00 | 21.672,70 | 22.906,00 | 23.747,60 | 25.691,50 | | |
| MTZM 1000 P/R | | | 20.767,10 | 21.299,40 | 22.342,90 | 22.700,20 | 24.207,90 | 25.441,20 | 26.282,80 | 28.226,70 | 34.232,40 | 36.124,70 |

# NIMUS-TR




ErP Exempt

60 +info Hz

CENTRIFUGAL FAN, FOR CLEAN OR SLIGHTLY DUSTY AIR AND BELT TRANSMISION

### MANUFACTURING FEATURES

- Medium pressure centrifugal belt driven fan.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painted RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Motorized fan with base frame (configuration 12). Full equipped fans including: motor, pulleys, belts, belts guard and shaft guard.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Maximum working temperature: carried air: 200ºC, ambient: 60ºC.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270.

### APPLICATIONS

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths.
- Collection of dust.
- Food industry dryers.
- Food processing.
- Incineration.
- Odor control in industry.
- Indoor/Outdoor pollution control.
- Big buildings.
- Malls.
- Factories/Industrial buildings.
- Warehouses.
- Extraction of smoke.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Fully welded housing (waterproof).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight axle.
- Non-sparking air passage and standard motor.
- Other brands of motors.

CENTRÍFUGO A TRANSMISIÓN CON TURBINA A REACCIÓN, PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión a transmisión.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Ventilador con motor montado sobre bancada (sistema 12). Equipo completo que incluye: motor, correas, poleas, protector de transmisión y eje.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Temperatura máxima de trabajo en continuo: aire transportado: 200ºC, ambiente: 60ºC.
- Posiciones disponibles (a indicar en caso de pedido): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- Los códigos indicados corresponden al modelo en posición LG270.

### APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para instalarse en conducto para la aspiración o la impulsión.

- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas/Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Paso de aire antichispas y motor estándar.
- Otras marcas de motores.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**EIS** pg.482
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**CPD-NT** pg.475
Frontal feet suport for NIMUS-TR.
Conjunto pie soporte delantero para NIMUS-TR.

| Model<br>Modelo | R.P.M.<br>R.P.M. | Mín. Rat. Power kW<br>Mín. Pot. nom. kW | Máx. Rat. Power kW<br>Máx.Pot. nom. kW | Air flow m³/h<br>Q máx. m³/h | Sound dB (A)<br>Sonido dB (A) | Weight Kg<br>Peso Kg |
|---|---|---|---|---|---|---|
| NIMUS-TR 315 (Sist. 12) | 1700rpm - 4500rpm | 0,55 | 3,00 | 6.300 | 68 | 100 |
| NIMUS-TR 350 (Sist. 12) | 1500rpm - 4000rpm | 0,75 | 3,00 | 7.700 | 69 | 110 |
| NIMUS-TR 400 (Sist. 12) | 1600rpm - 4000rpm | 1,10 | 7,50 | 12.200 | 73 | 120 |
| NIMUS-TR 450 (Sist. 12) | 1350rpm - 4000rpm | 1,50 | 7,50 | 14.450 | 77 | 145 |
| NIMUS-TR 500 (Sist. 12) | 1400rpm - 3400rpm | 3,00 | 18,50 | 21.800 | 76 | 240 |
| NIMUS-TR 560 (Sist. 12) | 1100rpm - 2800rpm | 4,00 | 18,50 | 25.450 | 75 | 260 |
| NIMUS-TR 630 (Sist. 12) | 1000rpm - 2450rpm | 5,50 | 22,00 | 31.700 | 76 | 315 |
| NIMUS-TR 710 (Sist. 12) | 800rpm - 2050rpm | 5,50 | 22,00 | 37.800 | 75 | 370 |
| NIMUS-TR 800 (Sist. 12) | 500rpm - 3500rpm | 5,50 | 55,00 | 60.200 | 91 | 580 |
| NIMUS-TR 900 (Sist. 12) | 500rpm - 3500rpm | 7,50 | 55,00 | 70.400 | 95 | 700 |
| NIMUS-TR 1000 (Sist. 12) | 500rpm - 3500rpm | 11,00 | 55,00 | 81.400 | 98 | 780 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| NIMUS-TR 315 (S.12) | 5.097,60 | 5.117,20 | 5.146,40 | 5.291,10 | 5.412,30 | 5.621,40 | | | | | | | | | | | |
| NIMUS-TR 350 (S.12) | | 5.420,40 | 5.449,60 | 5.594,30 | 5.715,50 | 5.924,60 | | | | | | | | | | | |
| NIMUS-TR 400(S.12) | | | 5.831,00 | 5.975,70 | 6.096,90 | 6.306,00 | 6.590,40 | 6.882,80 | 7.215,70 | | | | | | | | |
| NIMUS-TR 450 (S.12) | | | | 6.301,60 | 6.422,80 | 6.631,90 | 6.916,30 | 7.208,70 | 7.541,60 | | | | | | | | |
| NIMUS-TR 500 (S.12) | | | | | | 8.295,70 | 8.580,10 | 8.872,50 | 9.205,40 | 10.474,80 | 11.007,10 | 12.050,60 | | | | | |
| NIMUS-TR 560 (S.12) | | | | | | | 9.130,10 | 9.422,50 | 9.755,40 | 11.024,80 | 11.557,10 | 12.600,60 | | | | | |
| NIMUS-TR 630 (S.12) | | | | | | | | 10.423,20 | 10.756,10 | 12.025,50 | 12.557,80 | 13.601,30 | 13.958,60 | | | | |
| NIMUS-TR 710 (S.12) | | | | | | | | 12.336,10 | 12.669,00 | 13.938,40 | 14.470,70 | 15.514,20 | 15.871,50 | | | | |
| NIMUS-TR 800 (S.12) | | | | | | | | 15.085,20 | 15.418,10 | 16.687,50 | 17.219,80 | 18.263,30 | 18.620,60 | 20.128,30 | 21.361,60 | 22.203,20 | 24.147,10 |
| NIMUS-TR 900 (S.12) | | | | | | | | | 17.021,60 | 18.291,00 | 18.823,30 | 19.866,80 | 20.224,10 | 21.731,80 | 22.965,10 | 23.806,70 | 25.750,60 |
| NIMUS-TR 1000 (S.12) | | | | | | | | | | 20.135,80 | 20.668,10 | 21.711,60 | 22.068,90 | 23.576,60 | 24.809,90 | 25.651,50 | 27.595,40 |

# WHEN THINGS ARE REALLY HEATING UP...

# CUANDO LA COSA ESTÁ QUE ARDE...

## PARK GUARD & SHIELD-KIT



º Fan control systems in case fire with control panel. Systems stair pressurization with detector smoke optics and fire department.

**º Sistemas de control de ventiladores en caso de incendios con cuadro de control. Sistemas de presurización de escaleras con detector óptico de humos y cuadro de bomberos.**

Casals
soul made fans

CLÚSTER DE SEGURETAT CONTRA INCENDIS

# AA



**AA 47-70**



**AA 45/5-60/7**

ErP 60 +info Hz

## HIGH PRESSURE FAN FOR CLEAN AIR

### MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded housing.
- AA 47-70: high efficiency single inlet and forward curved impeller manufactured in cast aluminium.
- AA 45/5-60/7: high efficiency single inlet and backward curved impeller manufactured in cast aluminium.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz, motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC, environment 60ºC.

### UNDER REQUEST

- 2 speed motors.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada.
- AA 47-70: turbina de álabes curvados hacia adelante de simple aspiración y alto rendimiento, fabricada en fundición de aluminio.
- AA 45/5-60/7: turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente 60ºC.

### BAJO DEMANDA

- Motores de 2 velocidades.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RBS** pg.459
Outlet protection guard.
Rejilla de protección.

## AA 47-70

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 255170160 | AA 47 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 520 | 64 | 49,5 | **2.029,90** |
| 255280160 | AA 53 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 880 | 67 | 67 | **2.246,20** |
| 255350160 | AA 59 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 580 | 69 | 70 | **2.472,90** |
| 255350163 | AA 59 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 890 | 69 | 77 | **2.659,40** |
| 255450160 | AA 66 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 900 | 72 | 82 | **3.174,30** |
| 255500160 | AA 70 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.030 | 77 | 118,5 | **3.427,60** |
| 255510160 | AA 70 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.790 | 78 | 125 | **3.483,90** |

## AA 45/5-60/7

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 255120106 | AA 45/5 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 1.680 | 83 | 62,5 | **2.258,80** |
| 255120120 | AA 45/5 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 2.760 | 83 | 69,5 | **2.530,60** |
| 255150106 | AA 50/5 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 2.930 | 86 | 79 | **3.255,80** |
| 255150120 | AA 50/5 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 4.650 | 87 | 92 | **3.777,00** |
| 255520120 | AA 60/7 T2 11kW | 2930 | - | 20,8 | 11 | 5.480 | 91 | 141 | **5.228,50** |

EEC



Plus EEC



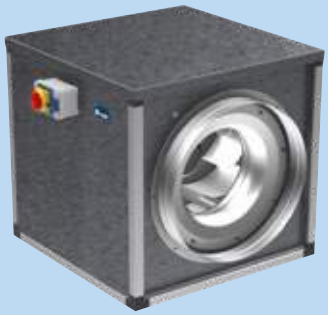
casals.com

ENKELBOX

Cased fans | **Cajas de ventilación**

Filter EEC





Plus EEC & tejadillo

Brochure

Folleto

# AAVA



ErP 60 +info Hz

## HIGH PRESSURE FAN FOR CLEAN AIR WITH BACKWARD BLADES

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 220 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO CON PALAS HACIA ATRÁS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502403114 | AAVA 310/P T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 120 | 58 | 29 | **1.564,60** |
| 502403515 | AAVA 350/P T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 190 | 59 | 33 | **1.645,80** |
| 502404016 | AAVA 400/P T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 260 | 62 | 44 | **1.924,80** |
| 502404517 | AAVA 450/P T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 330 | 64 | 46 | **2.258,90** |
| 502405018 | AAVA 500/P T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 330 | 66 | 51 | **2.447,40** |
| 502405619 | AAVA 560/P T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 370 | 68 | 89 | **3.114,80** |
| 502406319 | AAVA 631/P T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 330 | 69 | 116 | **3.402,40** |
| 502406327 | AAVA 632/P T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 400 | 70 | 119 | **3.464,10** |
| 502407129 | AAVA 711/P T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 480 | 72 | 149 | **4.312,00** |
| 502407132 | AAVA 712/P T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 550 | 73 | 168 | **4.410,90** |
| 502408032 | AAVA 801/P T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 480 | 75 | 195 | **5.236,80** |
| 502408034 | AAVA 802/P T2 5,5kW | 2910 | - | 10,6 | 5,50 | 550 | 77 | 197 | **5.516,80** |
| 502408036 | AAVA 803/P T2 7,5kW | 2910 | - | 14,1 | 7,50 | 730 | 79 | 197 | **5.667,00** |
| 502409021 | AAVA 901/P T2 11kW | 2940 | - | 20,8 | 11,00 | 870 | 81 | 330 | **8.263,90** |
| 502409024 | AAVA 902/P T2 15kW | 2935 | - | 27,4 | 15,00 | 1.230 | 83 | 390 | **8.505,80** |
| 502410026 | AAVA 1001/P T2 18,5kW | 2940 | - | 34,4 | 18,50 | 1.450 | 85 | 442 | **11.852,50** |
| 502410028 | AAVA 1002/P T2 22kW | 2940 | - | 39,8 | 22,00 | 1.640 | 87 | 501 | **12.584,60** |

50/60 Hz
FOCCETA



> the smoke extractor for fireplaces and barbacues <
**> el activador de tiraje para chimeneas y barbacoas <**

# AAVC/N



ErP 60 +info Hz

## HIGH PRESSURE FAN FOR CLEAN AIR WITH BACKWARD BLADES

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- It allows adjusting the orientation locally.
- Optional front support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO CON PALAS HACIA ATRÁS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino.
- Pie delantero opcional.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502505019 | AAVC/N 500 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 800 | 57 | 43 | **2.870,50** |
| 502505627 | AAVC/N 560 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 870 | 58 | 69 | **3.504,40** |
| 502506332 | AAVC/N 630 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 1.230 | 63 | 133 | **4.538,90** |
| 502506334 | AAVC/N 630 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 1.630 | 63 | 143 | **4.818,90** |
| 502507136 | AAVC/N 710 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 1.810 | 67 | 204 | **5.667,60** |
| 502507121 | AAVC/N 710 T2 11kW | 2940 | - | 20,8 | 11,00 | 2.530 | 68 | 238 | **6.803,20** |
| 502508021 | AAVC/N 800 T2 11kW | 2940 | - | 20,8 | 11,00 | 1.810 | 71 | 254 | **8.058,10** |
| 502508024 | AAVC/N 800 T2 15kW | 2935 | - | 27,4 | 15,00 | 2.890 | 72 | 254 | **8.300,00** |
| 502509026 | AAVC/N 900 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 2.170 | 74 | 348 | **10.211,20** |
| 502509028 | AAVC/N 900 T2 22kW | 2940 | - | 39,8 | 22,00 | 3.250 | 74 | 404 | **10.943,30** |
| 502510031 | AAVC/N 1000 T2 37kW | 2955 | - | 66,7 | 37,00 | 3.610 | 78 | 577 | **15.085,00** |
| 502510033 | AAVC/N 1000 T2 45kW | 2960 | - | 78,00 | 45,00 | 6.310 | 79 | 657 | **16.376,30** |
| 502511235 | AAVC/N 1120 T2 55kW | 2960 | - | 95,00 | 55,00 | 3.610 | 82 | 815 | **22.067,30** |
| 502511237 | AAVC/N 1120 T2 75kW | 2980 | - | 127,20 | 75,00 | 7.210 | 84 | 945 | **28.124,80** |
| 507105018 | AAVC/NR 500 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 660 | 56 | 40 | **2.812,50** |
| 507105619 | AAVC/NR 560 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 550 | 58 | 66 | **3.443,00** |
| 507106329 | AAVC/NR 630 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 1.090 | 61 | 118 | **4.439,90** |
| 507106332 | AAVC/NR 630 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 1.380 | 61 | 132 | **4.538,90** |
| 507107134 | AAVC/NR 710 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 1.450 | 66 | 200 | **5.517,20** |
| 507107136 | AAVC/NR 710 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 1.810 | 67 | 200 | **5.667,60** |
| 507108036 | AAVC/NR 800 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 1.230 | 70 | 214 | **6.922,40** |
| 507108021 | AAVC/NR 800 T2 11kW | 2940 | - | 20,8 | 11,00 | 2.530 | 71 | 248 | **8.058,10** |
| 507109024 | AAVC/NR 900 T2 15kW | 2935 | - | 27,4 | 15,00 | 2.170 | 73 | 333 | **9.847,50** |
| 507109026 | AAVC/NR 900 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 3.250 | 74 | 345 | **10.211,20** |
| 507110030 | AAVC/NR 1000 T2 30kW | 2955 | - | 56,6 | 30,00 | 3.250 | 77 | 570 | **14.592,00** |
| 507110031 | AAVC/NR 1000 T2 37kW | 2955 | - | 66,7 | 37,00 | 4.510 | 78 | 570 | **15.085,00** |
| 507111233 | AAVC/NR 1120 T2 45kW | 2960 | - | 78,00 | 45,00 | 4.510 | 81 | 725 | **20.455,90** |
| 507111235 | AAVC/NR 1120 T2 55kW | 2960 | - | 95,00 | 55,00 | 5.410 | 82 | 815 | **22.067,30** |

# AAVP/N



ErP 60 +info Hz

## HIGH PRESSURE FAN FOR CLEAN OR SLIGHTLY DUSTY AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1120 size the orientation is fixed.
- Optional front support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1120, la orientación es fija.
- Pie delantero opcional.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502604016 | AAVP/N 400 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 480 | 64 | 51 | **1.836,00** |
| 502604017 | AAVP/N 400 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 660 | 64 | 55 | **1.949,20** |
| 502604518 | AAVP/N 451 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 730 | 65 | 61 | **2.238,50** |
| 502604519 | AAVP/N 452 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 870 | 66 | 67 | **2.296,40** |
| 502605027 | AAVP/N 502 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 1.090 | 68 | 75 | **2.789,00** |
| 502605629 | AAVP/N 562 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 1.230 | 71 | 99 | **3.619,60** |
| 502605632 | AAVP/N 563 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 1.630 | 71 | 107 | **3.718,60** |
| 502606334 | AAVP/N 632 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 1.630 | 74 | 145 | **4.772,10** |
| 502606336 | AAVP/N 633 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 2.530 | 75 | 145 | **4.922,40** |
| 502607121 | AAVP/N 712 T2 11kW | 2940 | - | 20,8 | 11,00 | 2.530 | 77 | 222 | **6.773,60** |
| 502607124 | AAVP/N 713 T2 15kW | 2935 | - | 27,4 | 15,00 | 3.250 | 78 | 222 | **7.015,50** |
| 502608026 | AAVP/N 802 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 3.610 | 80 | 280 | **8.597,30** |
| 502608028 | AAVP/N 803 T2 22kW | 2940 | - | 39,8 | 22,00 | 4.690 | 80 | 336 | **9.329,30** |
| 502609030 | AAVP/N 902 T2 30kW | 2955 | - | 56,6 | 30,00 | 3.970 | 84 | 508 | **12.065,40** |
| 502609031 | AAVP/N 903 T2 37kW | 2955 | - | 66,7 | 37,00 | 5.410 | 85 | 508 | **12.558,40** |
| 502610035 | AAVP/N 1002 T2 55kW | 2960 | - | 95,00 | 55,00 | 7.210 | 91 | 780 | **18.397,10** |
| 502610037 | AAVP/N 1003 T2 75kW | 2980 | - | 127,20 | 75,00 | 9.010 | 92 | 924 | **23.585,20** |
| 502611238 | AAVP/N 1122 T2 90kW | 2980 | - | 152,40 | 90,00 | 7.930 | 97 | 1090 | **29.736,90** |
| 502611222 | AAVP/N 1123 T2 110kW | 2980 | - | 185,80 | 110,00 | 12.010 | 99 | 1270 | **37.117,40** |
| 507405019 | AAVP/NR 501 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 940 | 68 | 71 | **2.727,50** |
| 507405627 | AAVP/NR 562 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 940 | 71 | 86 | **3.462,50** |
| 507405629 | AAVP/NR 563 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 1.380 | 71 | 98 | **3.619,60** |
| 507406332 | AAVP/NR 632 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 1.380 | 74 | 131 | **4.492,00** |
| 507406334 | AAVP/NR 633 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 1.810 | 75 | 143 | **4.772,10** |
| 507407136 | AAVP/NR 711 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 1.810 | 77 | 205 | **5.637,90** |
| 507407121 | AAVP/NR 713 T2 11kW | 2940 | - | 20,8 | 11,00 | 2.890 | 78 | 218 | **6.773,60** |
| 507408024 | AAVP/NR 802 T2 15kW | 2935 | - | 27,4 | 15,00 | 3.250 | 81 | 256 | **8.233,50** |
| 507408026 | AAVP/NR 803 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 4.330 | 81 | 268 | **8.597,30** |
| 507409028 | AAVP/NR 902 T2 22kW | 2940 | - | 39,8 | 22,00 | 3.610 | 84 | 416 | **11.042,00** |
| 507409030 | AAVP/NR 903 T2 30kW | 2955 | - | 56,6 | 30,00 | 5.410 | 84 | 442 | **12.065,40** |
| 507410033 | AAVP/NR 1002 T2 45kW | 2960 | - | 78,00 | 45,00 | 6.130 | 89 | 680 | **16.785,70** |
| 507410035 | AAVP/NR 1003 T2 55kW | 2960 | - | 95,00 | 55,00 | 7.930 | 91 | 765 | **18.397,10** |
| 507411237 | AAVP/NR 1122 T2 75kW | 2980 | - | 127,20 | 75,00 | 7.930 | 96 | 1085 | **28.614,40** |
| 507409038 | AAVP/NR 1123 T2 90kW | 2980 | - | 152,40 | 90,00 | 12.010 | 98 | 1050 | **29.736,90** |

# AAVG/N



ErP 60 +info Hz

## HIGH PRESSURE FAN FOR CLEAN AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 450 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 450 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502704527 | AAVG/N 450 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 1.630 | 73 | 65 | **2.476,30** |
| 507205032 | AAVG/N 501 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 2.530 | 74 | 93 | **3.054,80** |
| 502705636 | AAVG/N 561 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 3.970 | 78 | 135 | **4.141,40** |
| 502706321 | AAVG/N 631 T2 11kW | 2940 | - | 20,8 | 11,00 | 3.610 | 81 | 196 | **5.979,10** |
| 502706324 | AAVG/N 632 T2 15kW | 2935 | - | 27,4 | 15,00 | 5.410 | 81 | 198 | **6.221,00** |
| 502707128 | AAVG/N 711 T2 22kW | 2940 | - | 39,8 | 22,00 | 6.130 | 83 | 272 | **8.446,70** |
| 502707130 | AAVG/N 712 T2 30kW | 2955 | - | 56,6 | 30,00 | 7.930 | 84 | 388 | **9.771,10** |
| 502708031 | AAVG/N 801 T2 37kW | 2955 | - | 66,7 | 37,00 | 7.930 | 88 | 440 | **12.505,60** |
| 502708033 | AAVG/N 802 T2 45kW | 2960 | - | 78,00 | 45,00 | 10.810 | 88 | 484 | **14.080,50** |
| 502709035 | AAVG/N 901 T2 55kW | 2960 | - | 95,00 | 55,00 | 7.930 | 91 | 808 | **18.174,10** |
| 502709037 | AAVG/N 902 T2 75kW | 2980 | - | 127,20 | 75,00 | 12.610 | 92 | 840 | **22.854,60** |
| 502710022 | AAVG/N 1001 T2 110kW | 2980 | - | 185,80 | 110,00 | 14.410 | 95 | 1085 | **35.341,00** |
| 502710023 | AAVG/N 1002 T2 132kW | 2980 | - | 225,50 | 132,00 | 19.810 | 95 | 1112 | **38.685,10** |
| 507205029 | AAVG/NR 501 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 2.170 | 74 | 87 | **2.955,90** |
| 507205634 | AAVG/NR 561 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 2.890 | 77 | 127 | **3.991,20** |
| 507206321 | AAVG/NR 632 T2 11kW | 2940 | - | 20,8 | 11,00 | 4.690 | 80 | 193 | **5.979,10** |
| 507207126 | AAVG/NR 711 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 6.130 | 83 | 246 | **7.714,60** |
| 507207128 | AAVG/NR 712 T2 22kW | 2940 | - | 39,8 | 22,00 | 7.210 | 83 | 368 | **8.446,70** |
| 507208030 | AAVG/NR 801 T2 30kW | 2955 | - | 56,6 | 30,00 | 7.210 | 87 | 424 | **12.012,60** |
| 507208031 | AAVG/NR 802 T2 37kW | 2955 | - | 66,7 | 37,00 | 10.090 | 88 | 435 | **12.505,60** |
| 507209033 | AAVG/NR 901 T2 45kW | 2960 | - | 78,00 | 45,00 | 7.930 | 90 | 701 | **16.562,70** |
| 507209035 | AAVG/NR 902 T2 55kW | 2960 | - | 95,00 | 55,00 | 10.810 | 91 | 802 | **18.174,10** |
| 507209038 | AAVG/NR 1001 T2 90kW | 2980 | - | 152,40 | 90,00 | 12.610 | 94 | 920 | **27.960,60** |
| 507210022 | AAVG/NR 1002 T2 110kW | 2980 | - | 185,80 | 110,00 | 18.010 | 94 | 1078 | **35.341,00** |

# AAVM/N



ErP 60 +info Hz

## HIGH PRESSURE FAN FOR CLEAN OR SLIGHTLY DUSTY AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 350 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 350 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502803518 | AAVM/N 350 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 1.450 | 66 | 36 | **1.464,50** |
| 502804027 | AAVM/N 400 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 2.170 | 68 | 50 | **1.781,90** |
| 502804532 | AAVM/N 450 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 2.890 | 71 | 80 | **2.429,10** |
| 502805034 | AAVM/N 500 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 3.610 | 74 | 107 | **3.019,20** |
| 502805621 | AAVM/N 560 T2 11kW | 2940 | - | 20,8 | 11,00 | 5.410 | 77 | 163 | **5.045,30** |
| 502806326 | AAVM/N 630 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 7.930 | 80 | 193 | **6.325,80** |
| 502807130 | AAVM/N 711 T2 30kW | 2955 | - | 56,6 | 30,00 | 9.010 | 83 | 390 | **9.665,00** |
| 502807131 | AAVM/N 711 T2 37kW | 2955 | - | 66,7 | 37,00 | 10.810 | 84 | 390 | **10.158,00** |
| 502808035 | AAVM/N 801 T2 55kW | 2960 | - | 95,00 | 55,00 | 12.610 | 85 | 664 | **15.361,40** |
| 502808037 | AAVM/N 801 T2 75kW | 2980 | - | 127,20 | 75,00 | 16.210 | 86 | 794 | **20.024,80** |
| 502809038 | AAVM/N 901 T2 90kW | 2980 | - | 152,40 | 90,00 | 18.010 | 88 | 969 | **23.600,40** |
| 502809022 | AAVM/N 901 T2 110kW | 2980 | - | 185,80 | 110,00 | 21.610 | 89 | 1109 | **30.980,80** |
| 502810025 | AAVM/N 1001 T2 160kW | 2980 | - | 269,50 | 160,00 | 21.610 | 92 | 1230 | **39.265,30** |
| 502810105 | AAVM/N 1001 T2 200kW | 2980 | - | 336,10 | 200,00 | 33.010 | 93 | 1230 | **42.163,40** |
| 507303517 | AAVM/NR 350 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 940 | 66 | 35 | **1.440,70** |
| 507304019 | AAVM/NR 400 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 1.630 | 68 | 46 | **1.720,40** |
| 507304529 | AAVM/NR 450 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 2.530 | 70 | 60 | **2.330,00** |
| 507305032 | AAVM/NR 500 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 3.250 | 73 | 92 | **2.739,20** |
| 507305636 | AAVM/NR 560 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 4.690 | 76 | 122 | **3.909,70** |
| 507306324 | AAVM/NR 630 T2 15kW | 2935 | - | 27,4 | 15,00 | 7.210 | 80 | 175 | **5.962,00** |
| 507307128 | AAVM/NR 711 T2 22kW | 2940 | - | 39,8 | 22,00 | 9.010 | 82 | 300 | **8.340,80** |
| 507308033 | AAVM/NR 801 T2 45kW | 2960 | - | 78,00 | 45,00 | 14.410 | 84 | 526 | **13.466,40** |
| 507309037 | AAVM/NR 901 T2 75kW | 2980 | - | 127,20 | 75,00 | 18.010 | 87 | 926 | **22.477,80** |
| 507310022 | AAVM/NR 1001 T2 110kW | 2980 | - | 185,80 | 110,00 | 18.010 | 91 | 1220 | **34.974,40** |
| 507310023 | AAVM/NR 1001 T2 132kW | 2980 | - | 225,50 | 132,00 | 21.610 | 92 | 1220 | **38.318,60** |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 502807161 | AAVM/N 712 T4 5,5kW | 1460 | 10,5 | 5,50 | 5.410 | 67 | 211 | **5.781,50** |
| 502808049 | AAVM/N 802 T4 11kW | 1455 | 21,2 | 11,00 | 7.930 | 69 | 286 | **9.339,30** |
| 502809052 | AAVM/N 902 T4 15kW | 1465 | 29,8 | 15,00 | 10.810 | 71 | 401 | **11.986,30** |
| 502810055 | AAVM/N 1002 T4 22kW | 1465 | 40,1 | 22,00 | 14.410 | 75 | 640 | **16.683,20** |
| 507307159 | AAVM/NR 712 T4 4kW | 1440 | 8,32 | 4,00 | 4.690 | 67 | 194 | **5.531,00** |
| 507308063 | AAVM/NR 802 T4 7,5kW | 1455 | 14,1 | 7,50 | 6.130 | 68 | 255 | **8.314,10** |
| 507309049 | AAVM/NR 902 T4 11kW | 1455 | 21,2 | 11,00 | 10.090 | 71 | 380 | **11.668,50** |
| 507310053 | AAVM/NR 1002 T4 18,5kW | 1470 | 35,6 | 18,50 | 12.610 | 74 | 620 | **16.456,70** |

# AA P/R



ErP Exempt

60 +info Hz

## STRAIGHT BLADE IMPELLER

### MANUFACTURING FEATURES
- Rolling steel sheet housing.
- Fully welded housing.
- Straight blade impeller manufactured in rolled steel sheet and polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC, environment 60ºC.

### UNDER REQUEST
- 2 speed motors.
- Orientations: LG0, LG45, LG90, LG135, LG180, LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA TRANSPORTE DE MATERIAL SÓLIDO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada.
- Turbina de pala recta fabricada en chapa de acero protegida contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA
- Motores de 2 velocidades.
- Orientación: LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 255120160 | AA 45/5 T2 2,2kW P/R | 2840 | 7,97 | 4,58 | 2,20 | 2.450 | 79 | 68 | **2.942,10** |
| 255120161 | AA 45/5 T2 3kW P/R | 2880 | 10,3 | 5,92 | 3,00 | 3.300 | 79 | 69 | **2.999,80** |
| 255150160 | AA 50/5 T2 4kW P/R | 2880 | 13,3 | 7,63 | 4,00 | 3.100 | 83 | 119 | **3.227,50** |
| 255150161 | AA 50/5 T2 5,5kW P/R | 2910 | - | 10,6 | 5,50 | 4.000 | 83 | 120 | **3.745,30** |
| 255520160 | AA 60/7 T2 11kW P/R | 2940 | - | 20,8 | 11,00 | 3.000 | 85 | 177 | **4.493,90** |
| 255520162 | AA 60/7 T2 15kW P/R | 2935 | - | 27,4 | 15,00 | 5.100 | 85 | 177 | **4.705,00** |

# AAZA



ErP Exempt

60 +info Hz

## HIGH PRESSURE FAN FOR TRANSPORT OF SOLID MATERIAL

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency simple inlet, curved, radial and open blades impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130ºC, environment 60ºC.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA TRANSPORTE DE MATERIAL SÓLIDO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala radial curvada y abierta de simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rat. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502904017 | AAZA 400 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 440 | 71 | 39 | **2.104,60** |
| 502904018 | AAZA 400 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 480 | 71 | 39 | **2.128,60** |
| 502904518 | AAZA 450 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 550 | 73 | 42 | **2.305,10** |
| 502904519 | AAZA 450 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 660 | 74 | 45 | **2.363,10** |
| 502905027 | AAZA 500 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 870 | 76 | 55 | **2.902,50** |
| 502905029 | AAZA 500 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 870 | 77 | 63 | **3.059,40** |
| 502905629 | AAZA 560 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 940 | 79 | 89 | **3.814,40** |
| 502905632 | AAZA 560 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 1.230 | 80 | 100 | **3.913,40** |
| 502906334 | AAZA 630 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 1.450 | 84 | 134 | **4.947,10** |
| 502906336 | AAZA 630 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 1.810 | 85 | 134 | **5.097,50** |
| 502907136 | AAZA 710 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 1.230 | 87 | 202 | **5.825,50** |
| 502907121 | AAZA 710 T2 11kW | 2940 | - | 20,8 | 11,00 | 2.530 | 88 | 218 | **6.961,10** |
| 502908024 | AAZA 800 T2 15kW | 2935 | - | 27,4 | 15,00 | 2.530 | 92 | 262 | **8.768,70** |
| 502908026 | AAZA 800 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 2.890 | 92 | 277 | **9.132,50** |

### 4 pole | 4 polos

| Code | Model | Rat. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502908056 | AAZA 800 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 1.810 | 76 | 195 | **6.898,80** |
| 502908059 | AAZA 800 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 1.810 | 76 | 202 | **7.054,80** |
| 502909061 | AAZA 900 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 2.530 | 78 | 307 | **9.424,90** |
| 502909063 | AAZA 900 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 2.890 | 79 | 341 | **9.639,50** |
| 502910063 | AAZA 1000 T4 7,5kW | 1455 | - | 14,1 | 7,50 | 3.250 | 80 | 370 | **13.165,00** |
| 502910049 | AAZA 1000 T4 11kW | 1455 | - | 21,2 | 11,00 | 4.010 | 82 | 410 | **14.190,20** |

# AAZB



ErP Exempt

60 +info Hz

## HIGH PRESSURE WITH SIMPLE INLET RADIAL, CURVED AND OPEN BLADES IMPELLER

### MANUFACTURING FEATURES

• Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
• Fully welded housing.
• High efficiency simple inlet radial, curved and open blades impeller made of Fe360 sheet statically and dynamically balanced.
Impellers are painted with polyester primer that resists temperatures up to 300ºC.
• Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
• Standard orientation LG270.
• It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation can be modified if the fan is without frontal support.

### APPLICATIONS

Designed for inline installation, they are suitable for:
• Industrial applications, extraction or injection of air.
• Cooling of machines and parts.
• Clean and dusty air transport.
• Exhaust after filters, separators and cyclones.
• Pneumatic transport.
• Maximum working temperature: carried air: 130ºC, ambient: 60ºC.

### UNDER REQUEST

· Fans for 60Hz and special voltages.
· 2 speed motor.
· C4 coating painting
· Hot dip galvanized
· Special steel (Cor-Ten A, Hardox...)
· Inox 304 (normal or electropolished finish)
· Inox 316 (normal or electropolished finish)
· Cooling wheel
· Anticaloric paint
· Reinforced housing
· Insulated housing
· Split casing (for big sizes)
· Inspection door to facilitate maintenance and cleaning
· Drain plug.
· Frontal foot
· Double suction flange
· Available in non-sparking air passage and standard motor.
· Other brands of motors.
· Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CON TURBINA DE PALA RADIAL CURVADA Y ABIERTA DE SIMPLE ASPIRACIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

• Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
• Carcasa totalmente soldada.
• Turbina de pala radial curvada y abierta de simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
• Orientación estándar LG270.
• Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es variable si no lleva pie soporte frontal.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:
• Procesos industriales, extracción o inyección localizada.
• Refrigeración de máquinas, enfriamiento de piezas.
• Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos
• Aspiración después de filtros, separadores y ciclones.
• Transporte neumático.
• Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC

### BAJO DEMANDA

· Ventiladores para 60Hz voltajes especiales.
· Motor 2 velocidades.
· Acabado pintura C4.
· Galvanizado en caliente
· Aceros especiales (Corten, Hardox...)
· Inox 304 (acabado normal o electropulido)
· Inox 316 (acabado normal o electropulido)
· Rodete de refrigeración
· Pintura anticalórica
· Carcasa reforzada
· Carcasa aislada
· Carcasa partida (para tamaños grandes)
· Puerta inspección para facilitar el mantenimiento y la limpieza
· Drenaje
· Pie frontal
· Doble anillo aspiración
· Disponibles con paso de aire antichispas y motor estándar
· Otras marcas de motores
· Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rat. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510404027 | AAZB/P 400 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 1.370 | 64 | 60 | **2.477,90** |
| 510404529 | AAZB/P 450 T2 3kW | 2880 | 10,3 | 5,92 | 3,00 | 1.620 | 66 | 70 | **2.943,50** |
| 510404532 | AAZB/P 450 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 2.160 | 68 | 78 | **3.054,40** |
| 510405034 | AAZB/P 500 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 2.520 | 69 | 106 | **3.875,60** |
| 510405036 | AAZB/P 500 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 3.240 | 71 | 107 | **4.044,00** |
| 510405636 | AAZB/P 560 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 2.880 | 71 | 130 | **4.551,50** |
| 510405621 | AAZB/P 560 T2 11kW | 2940 | - | 20,8 | 11,00 | 3.960 | 73 | 164 | **5.635,50** |
| 510406324 | AAZB/P 630 T2 15kW | 2935 | - | 27,4 | 15,00 | 4.320 | 73 | 182 | **6.432,90** |
| 510406326 | AAZB/P 630 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 5.400 | 74 | 194 | **6.811,00** |
| 510407130 | AAZB/P 710 T2 30kW | 2955 | - | 56,6 | 30,00 | 7.200 | 77 | 445 | **10.191,30** |
| 510407131 | AAZB/P 710 T2 37kW | 2955 | - | 66,7 | 37,00 | 7.920 | 77 | 447 | **10.703,60** |
| 510408033 | AAZB/P 800 T2 45kW | 2960 | - | 78,00 | 45,00 | 7.920 | 88 | 603 | **14.667,90** |
| 510408035 | AAZB/P 800 T2 55kW | 2960 | - | 95,00 | 55,00 | 10.600 | 107 | 661 | **16.342,60** |
| 510407128 | AAZB/PR 710 T2 22kW | 2940 | - | 39,00 | 22,00 | 6.120 | 75 | 311 | **8.815,00** |
| 510408031 | AAZB/PR 800 T2 37kW | 2955 | - | 66,7 | 37,00 | 7.200 | 89 | 520 | **13.031,10** |

### 4 pole | 4 polos

| Code | Model | Rat. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 510408049 | AAZB/P 800 T4 11kW | 1455 | 21,2 | 11,00 | 6.120 | 68 | 276 | **10.083,90** |
| 510409052 | AAZB/P 900 T4 15kW | 1465 | 29,8 | 15,00 | 7.920 | 70 | 406 | **12.859,40** |
| 510410055 | AAZB/P 1000 T4 22kW | 1465 | 40,1 | 22,00 | 10.600 | 72 | 577 | **18.429,40** |
| 510408063 | AAZB/PR 800 T4 7,5kW | 1455 | 14,1 | 7,50 | 6.120 | 69 | 250 | **9.125,20** |
| 510409049 | AAZB/PR 900 T4 11kW | 1455 | 21,2 | 11,00 | 7.200 | 69 | 393 | **12.529,20** |
| 510410053 | AAZB/PR 1000 T4 18,5kW | 1470 | 35,6 | 18,50 | 9.000 | 71 | 562 | **18.193,90** |

# AAZC



ErP Exempt

60 +info Hz

## HIGH PRESSURE WITH SIMPLE INLET STRAIGHT AND OPEN BLADE IMPELLER

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency simple inlet radial, curved and open blades impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation can be modified if the fan is without frontal support.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air: 130ºC, ambient: 60ºC.

### UNDER REQUEST

- Fans for 60Hz and special voltages.
- 2 speed motor.
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CON TURBINA DE PALA RECTA ABIERTA DE SIMPLE ASPIRACIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala recta y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC

### BAJO DEMANDA

- Ventiladores para 60Hz voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rat. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 510504032 | AAZC/R 400 T2 4kW | 2880 | 13,3 | 7,63 | 4,00 | 3.600 | 75 | 80 | **2.534,10** |
| 510504536 | AAZC/R 450 T2 7,5kW | 2910 | - | 14,1 | 7,50 | 5.400 | 77 | 104 | **3.400,60** |
| 510505021 | AAZC/R 500 T2 11kW | 2940 | - | 20,8 | 11,00 | 6.480 | 78 | 174 | **4.897,30** |
| 510505024 | AAZC/R 500 T2 15kW | 2935 | - | 27,4 | 15,00 | 7.920 | 83 | 178 | **5.148,70** |
| 510505628 | AAZC/R 560 T2 22kW | 2940 | - | 39,00 | 22,00 | 10.800 | 84 | 271 | **7.287,30** |
| 510504034 | AAZC 400 T2 5,5kW | 2910 | - | 10,6 | 5,50 | 4.680 | 77 | 92 | **2.847,70** |
| 510504521 | AAZC 450 T2 11kW | 2940 | - | 20,8 | 11,00 | 5.760 | 76 | 148 | **4.566,60** |
| 510505026 | AAZC 500 T2 18,5kW | 2940 | - | 34,4 | 18,50 | 9.360 | 86 | 191 | **5.526,70** |
| 510505630 | AAZC 560 T2 30kW | 2955 | - | 56,6 | 30,00 | 12.600 | 137 | 366 | **8.350,80** |

### 4 pole | 4 polos

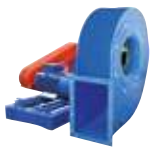
| Code | Model | Rat. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 510506361 | AAZC/R 630 T4 5,5kW | 1460 | 10,5 | 5,50 | 9.360 | 77 | 194 | **5.544,80** |
| 510507149 | AAZC/R 710 T4 11kW | 1455 | 21,2 | 11,00 | 12.600 | 77 | 332 | **7.969,20** |
| 510508055 | AAZC/R 800 T4 22kW | 1465 | 40,1 | 22,00 | 19.800 | 82 | 512 | **10.480,60** |
| 510509058 | AAZC/R 900 T4 37kW | 1470 | 69,2 | 37,00 | 28.800 | 87 | 640 | **14.646,70** |
| 510510060 | AAZC/R 1000 T4 45kW | 1475 | 80,7 | 45,00 | 36.000 | 87 | 924 | **16.718,50** |
| 510505659 | AAZC 560 T4 4kW | 1440 | 8,32 | 4,00 | 6.480 | 70 | 154 | **4.300,40** |
| 510506363 | AAZC 630 T4 7,5kW | 1455 | 14,1 | 7,50 | 10.800 | 77 | 195 | **5.785,20** |
| 510507152 | AAZC 710 T4 15kW | 1465 | 29,8 | 15,00 | 16.200 | 78 | 345 | **8.299,30** |
| 510508057 | AAZC 800 T4 30kW | 1475 | 56,3 | 30,00 | 19.800 | 80 | 614 | **11.778,40** |
| 510509060 | AAZC 900 T4 45kW | 1475 | 80,7 | 45,00 | 32.400 | 89 | 665 | **15.383,10** |
| 510510062 | AAZC 1000 T4 55kW | 1475 | 97,1 | 55,00 | 36.000 | 86 | 1011 | **18.380,00** |



**AATVA**



**AATVP**



**AATVM**



**AATVC**



**AATVG**



**AATZA**



**AATZB**



**AATZC**

## DIFFERENT CONFIGURATIONS OF FREE SHAFT WITHOUT MOTOR OR BELT DRIVEN MOTOR

### MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and protected against corrosion with polyester powder finishing coat.
- High efficiency single inlet backward curved impeller manufactured in rolling steel sheet protected against corrosion with polyester powder finishing coat. AATZC range with straight blade impeller in steel sheet protected with polyester powder. The AATZA and AATZB series have an open curved radial blade impeller in steel sheet protected with polyester powder.
- Motorized fan with base frame (configuration 12). Full equipped fans including: motor, pulleys, belts, belts guard and shaft guard. Fitted over a base plate.
- For models with motor: standard squirrel cage asynchronous motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Front support included from size 710. Not available for lower sizes (AATVA - front support not available).

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Pneumatic transport.
- Clean air (AATVA, AATVC) or slightly dusty air transport (AATVP, AATVG/N, AATVM).
- Transport of solid material and textile fibers (AATZA, AATZB, AATZC).

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- Fan with free shaft (configuration 1) or with motor supported on the pedestal side (configuration 9).
- C4 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

ErP 60 +info Hz

## EJE LIBRE SIN MOTOR O MOTOR A TRANSMISIÓN EN DIFERENTES CONFIGURACIONES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado totalmente soldada y protegida contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en chapa de acero laminado y recubierta contra la corrosión en polvo de resina de poliéster. La serie AATZC lleva turbina de pala recta en chapa de acero protegida con poliéster. Las series AATZA y AATZB llevan turbina de pala radial curvada abierta en chapa de acero protegida con poliéster.
- Ventilador con motor montado sobre bancada (sistema 12). Equipo completo que incluye: motor, correas, poleas, protector de transmisión y eje.
- Para modelos con motor: motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Pie delantero incluido a partir del tamaño 710. No disponible para tamaños inferiores (AATVA - pie delantero no disponible).

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte neumático.
- Transporte de aire limpio (AATVA, AATVC) o ligeramente polvoriento (AATVP, AATVG/N, AATVM).
- Transporte de materia sólida y fibra textil (AATZA, AATZB, AATZC).

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Ventilador a eje libre (sistema 1) o con motor en mochila (sistema 9).
- Acabado pintura C4.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticalórica.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

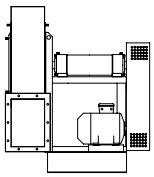


**BADS** pg.485
Circular-circular coupling flange.
Brida antivibratoria circular-circular.



**BIDS** pg.489
Rectangular-Rectangular anti-vibration flange.
Brida antivibratoria rectangular-rectangular.

## FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)



### AATVA

High pressure belt driven fan for clean air
Ventilador a transmisión de alta presión para aire limpio

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P | 4.980,70 | 5.048,80 | 5.068,40 | 5.097,60 | | | | | | | | | | |
| AATVA 400/P | 5.635,40 | 5.703,50 | 5.723,10 | 5.752,30 | 5.897,00 | | | | | | | | | |
| AATVA 450/P | 5.939,80 | 6.007,90 | 6.027,50 | 6.056,70 | 6.201,40 | 6.322,60 | 6.531,70 | | | | | | | |
| AATVA 500/P | 6.325,60 | 6.393,70 | 6.413,30 | 6.442,50 | 6.587,20 | 6.708,40 | 6.917,50 | | | | | | | |
| AATVA 560/P | 7.710,00 | 7.778,10 | 7.797,70 | 7.826,90 | 7.971,60 | 8.092,80 | 8.301,90 | | | | | | | |
| AATVA 630/P | | 8.366,20 | 8.385,80 | 8.415,00 | 8.559,70 | 8.680,90 | 8.890,00 | 9.174,40 | 9.466,80 | | | | | |
| AATVA 710/P | | | | 10.017,60 | 10.162,30 | 10.283,50 | 10.492,60 | 10.777,00 | 11.069,40 | 11.402,30 | | | | |
| AATVA 800/P | | | | | 11.774,80 | 11.896,00 | 12.105,10 | 12.389,50 | 12.681,90 | 13.014,80 | 14.284,20 | | | |
| AATVA 900/P | | | | | | | 14.930,60 | 15.215,00 | 15.507,40 | 15.840,30 | 17.109,70 | 17.642,00 | 18.685,50 | |
| AATVA 1000/P | | | | | | | | 19.792,30 | 20.084,70 | 20.417,60 | 21.687,00 | 22.219,30 | 23.262,80 | 23.620,10 |

### AATVP

High pressure belt driven fan for clean or slightly dusty air
Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVP 400 | 5.600,90 | 5.669,00 | 5.688,60 | 5.717,80 | 5.862,50 | | | | | | | | | |
| AATVP 450 | | 6.017,90 | 6.037,50 | 6.066,70 | 6.211,40 | 6.332,60 | 6.541,70 | | | | | | | |
| AATVP 500 | | | | 6.921,00 | 7.065,70 | 7.186,90 | 7.396,00 | 7.680,40 | 7.972,80 | 8.305,70 | | | | |
| AATVP 560 | | | | 8.317,70 | 8.462,40 | 8.583,60 | 8.792,70 | 9.077,10 | 9.369,50 | 9.702,40 | | | | |
| AATVP 630 | | | | | 9.536,30 | 9.657,50 | 9.866,60 | 10.151,00 | 10.443,40 | 10.776,30 | 12.045,70 | | | |
| AATVP 710 | | | | | | | 11.683,90 | 11.968,30 | 12.260,70 | 12.593,60 | 13.863,00 | 14.395,30 | 15.438,80 | 15.796,10 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| AATVP 800 | 13.995,10 | 14.287,50 | 14.620,40 | 15.889,80 | 16.422,10 | 17.465,60 | 17.822,90 | 19.330,60 | | | | | |
| AATVP 900 | | | | 18.979,20 | 19.511,50 | 20.555,00 | 20.912,30 | 22.420,00 | 23.653,30 | 24.494,90 | 26.438,80 | | |
| AATVP 1000 | | | | 23.302,60 | 23.834,90 | 24.878,40 | 25.235,70 | 26.743,40 | 27.976,70 | 28.818,30 | 30.762,20 | 36.767,90 | |
| AATVP 1120 | | | | | 28.599,00 | 29.642,50 | 29.999,80 | 31.507,50 | 32.740,80 | 33.582,40 | 35.526,30 | 41.532,00 | 43.424,30 |

## AATVM

High pressure belt driven fan for clean or slightly dusty air
Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVM 350 | 4.894,40 | 4.962,50 | 4.982,10 | 5.011,30 | 5.156,00 | 5.277,20 | 5.486,30 | | | | | | | | | | | |
| AATVM 400 | | 5.555,50 | 5.575,10 | 5.604,30 | 5.749,00 | 5.870,20 | 6.079,30 | 6.363,70 | 6.656,10 | 6.989,00 | | | | | | | | |
| AATVM 450 | | | | 6.081,40 | 6.226,10 | 6.347,30 | 6.556,40 | 6.840,80 | 7.133,20 | 7.466,10 | | | | | | | | |
| AATVM 500 | | | | | | 7.260,90 | 7.470,00 | 7.754,40 | 8.046,80 | 8.379,70 | 9.649,10 | 10.181,40 | 11.224,90 | | | | | |
| AATVM 560 | | | | | | | 8.938,30 | 9.222,70 | 9.515,10 | 9.848,00 | 11.117,40 | 11.649,70 | 12.693,20 | 13.050,50 | | | | |
| AATVM 630 | | | | | | | | | 10.490,40 | 10.823,30 | 12.092,70 | 12.625,00 | 13.668,50 | 14.025,80 | 15.533,50 | 16.766,80 | | |
| AATVM 710 | | | | | | | | | 13.168,30 | 13.501,20 | 14.770,60 | 15.302,90 | 16.346,40 | 16.703,70 | 18.211,40 | 19.444,70 | 20.286,30 | |
| AATVM 800 | | | | | | | | | | 16.667,50 | 17.936,90 | 18.469,20 | 19.512,70 | 19.870,00 | 21.377,70 | 22.611,00 | 23.452,60 | 25.396,50 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 | 220 | 250 | 280 | 315 |
| AATVM 900 | 21.667,70 | 22.200,00 | 23.243,50 | 23.600,80 | 25.108,50 | 26.341,80 | 27.183,40 | 29.127,30 | 35.133,00 | 37.025,30 | | | | | | | | |
| AATVM 1000 | | | | 28.982,10 | 30.489,80 | 31.723,10 | 32.564,70 | 34.508,60 | 40.514,30 | 42.406,60 | 50.713,50 | 53.844,10 | 57.426,30 | 63.122,20 | | | | |
| AATVM 1120 | | | | | 34.901,40 | 36.134,70 | 36.976,30 | 38.920,20 | 44.925,90 | 46.818,20 | 55.125,10 | 58.255,70 | 61.837,90 | 67.533,80 | | | | |
| AATVM 1250 | | | | | | | 48.806,40 | 50.750,30 | 56.756,00 | 58.648,30 | 66.955,20 | 70.085,80 | 73.668,00 | 79.363,90 | | | | |
| AATVM 1400 | | | | | | | 55.634,40 | 57.578,30 | 63.584,00 | 65.476,30 | 73.783,20 | 76.913,80 | 80.496,00 | 86.191,90 | | | | |
| AATVM 1600 | | | | | | | | | 78.642,00 | 80.534,30 | 88.841,20 | 91.971,80 | 95.554,00 | 101.249,90 | 114.009,00 | 114.936,10 | 123.317,90 | 126.735,40 |
| AATVM 1800 | | | | | | | | | 93.204,60 | 95.096,90 | 103.403,80 | 106.534,40 | 110.116,60 | 115.812,50 | 128.571,60 | 129.498,70 | 137.880,50 | 141.298,00 |
| AATVM 2000 | | | | | | | | | 112.599,90 | 114.492,20 | 122.799,10 | 125.929,70 | 129.511,90 | 135.207,80 | 147.966,90 | 148.894,00 | 157.275,80 | 160.693,30 |

## AATVC

High pressure belt driven fan for clean air
Ventilador a transmisión de alta presión para aire limpio

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| AATVC 500 | 6.947,20 | 7.015,30 | 7.034,90 | 7.064,10 | 7.208,80 | 7.330,00 | 7.539,10 | 7.823,50 | 8.115,90 | | | |
| AATVC 560 | | 8.310,80 | 8.330,40 | 8.359,60 | 8.504,30 | 8.625,50 | 8.834,60 | 9.119,00 | 9.411,40 | | | |
| AATVC 630 | | | | 9.438,60 | 9.583,30 | 9.704,50 | 9.913,60 | 10.198,00 | 10.490,40 | 10.823,30 | 12.092,70 | |
| AATVC 710 | | | | | | 11.504,40 | 11.713,50 | 11.997,90 | 12.290,30 | 12.623,20 | 13.892,60 | 14.424,90 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| AATVC 800 | 13.777,30 | 14.061,70 | 14.354,10 | 14.687,00 | 15.956,40 | 16.488,70 | 17.532,20 | 17.889,50 | | | | | | |
| AATVC 900 | | | 17.278,30 | 17.611,20 | 18.880,60 | 19.412,90 | 20.456,40 | 20.813,70 | 22.321,40 | 23.554,70 | | | | |
| AATVC 1000 | | | | | 22.893,20 | 23.425,50 | 24.469,00 | 24.826,30 | 26.334,00 | 27.567,30 | 28.408,90 | 30.352,80 | | |
| AATVC 1120 | | | | | | 28.128,10 | 29.171,60 | 29.528,90 | 31.036,60 | 32.269,90 | 33.111,50 | 35.055,40 | 41.061,10 | 42.953,40 |
| AATVC 1250 | | | | | | | 41.655,20 | 42.012,50 | 43.520,20 | 44.753,50 | 45.595,10 | 47.539,00 | 53.544,70 | 55.437,00 |

## AATVG

High pressure belt driven fan for clean air
Ventilador a transmisión de alta presión para aire limpio

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| AATVG/N 450 | 6.267,90 | 6.336,00 | 6.355,60 | 6.384,80 | 6.529,50 | 6.650,70 | 6.859,80 | 7.144,20 | 7.436,60 | 7.769,50 | | | | | |
| AATVG/N 500 | | 7.261,90 | 7.281,50 | 7.310,70 | 7.455,40 | 7.576,60 | 7.785,70 | 8.070,10 | 8.362,50 | 8.695,40 | 9.964,80 | 10.497,10 | | | |
| AATVG/N 560 | | | | | | 8.960,90 | 9.170,00 | 9.454,40 | 9.746,80 | 10.079,70 | 11.349,10 | 11.881,40 | 12.924,90 | | |
| AATVG/N 630 | | | | | | | | 10.456,90 | 10.749,30 | 11.082,20 | 12.351,60 | 12.883,90 | 13.927,40 | 14.284,70 | 15.792,40 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATVG/N 710 | 13.274,30 | 13.607,20 | 14.876,60 | 15.408,90 | 16.452,40 | 16.809,70 | 18.317,40 | 19.550,70 | 20.392,30 | | | | | |
| AATVG/N 800 | | 16.998,10 | 18.267,50 | 18.799,80 | 19.843,30 | 20.200,60 | 21.708,30 | 22.941,60 | 23.783,20 | 25.727,10 | | | | |
| AATVG/N 900 | | | | 22.562,50 | 23.606,00 | 23.963,30 | 25.471,00 | 26.704,30 | 27.545,90 | 29.489,80 | 35.495,50 | 37.387,80 | | |
| AATVG/N 1000 | | | | | | 29.334,80 | 30.842,50 | 32.075,80 | 32.917,40 | 34.861,30 | 40.867,00 | 42.759,30 | 51.066,20 | 54.196,80 |

## AATZA

High pressure belt driven fan for transporting solid material
Ventilador a transmisión de alta presión para transporte de material sólido

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATZA 400 | 5.756,20 | 5.824,30 | 5.843,90 | 5.873,10 | 6.017,80 | 6.139,00 | 6.348,10 | 6.632,50 | | | | | | |
| AATZA 450 | 6.016,30 | 6.084,40 | 6.104,00 | 6.133,20 | 6.277,90 | 6.399,10 | 6.608,20 | 6.892,60 | 7.185,00 | | | | | |
| AATZA 500 | 6.917,60 | 6.985,70 | 7.005,30 | 7.034,50 | 7.179,20 | 7.300,40 | 7.509,50 | 7.793,90 | 8.086,30 | | | | | |
| AATZA 560 | | 8.463,80 | 8.483,40 | 8.512,60 | 8.657,30 | 8.778,50 | 8.987,60 | 9.272,00 | 9.564,40 | 9.897,30 | | | | |
| AATZA 630 | | | | 9.566,80 | 9.711,50 | 9.832,70 | 10.041,80 | 10.326,20 | 10.618,60 | 10.951,50 | | | | |
| AATZA 710 | | | | | 11.541,00 | 11.662,20 | 11.871,30 | 12.155,70 | 12.448,10 | 12.781,00 | 14.050,40 | | | |
| AATZA 800 | | | | | | 14.036,80 | 14.245,90 | 14.530,30 | 14.822,70 | 15.155,60 | 16.425,00 | 16.957,30 | | |
| AATZA 900 | | | | | | | 17.742,30 | 18.026,70 | 18.319,10 | 18.652,00 | 19.921,40 | 20.453,70 | 21.497,20 | |
| AATZA 1000 | | | | | | | | 22.939,50 | 23.231,90 | 23.564,80 | 24.834,20 | 25.366,50 | 26.410,00 | 26.767,30 |

## AATZB

High pressure belt driven fan for transporting solid material
Ventilador a transmisión de alta presión para transporte de material sólido

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZB 400 | 5.579,40 | 5.724,10 | 5.845,30 | 6.054,40 | 6.338,80 | 6.631,20 | 6.964,10 | | | | | | | | | | | | |
| AATZB 450 | 6.404,70 | 6.549,40 | 6.670,60 | 6.879,70 | 7.164,10 | 7.456,50 | 7.789,40 | | | | | | | | | | | | |
| AATZB 500 | | | 7.332,00 | 7.541,10 | 7.825,50 | 8.117,90 | 8.450,80 | 9.720,20 | 10.252,50 | 11.296,00 | | | | | | | | | |
| AATZB 560 | | | | 8.802,20 | 9.086,60 | 9.379,00 | 9.711,90 | 10.981,30 | 11.513,60 | 12.557,10 | 12.914,40 | | | | | | | | |
| AATZB 630 | | | | | 9.947,90 | 10.240,30 | 10.573,20 | 11.842,60 | 12.374,90 | 13.418,40 | 13.775,70 | 15.283,40 | 16.516,70 | | | | | | |
| AATZB 710 | | | | | | 12.939,40 | 13.272,30 | 14.541,70 | 15.074,00 | 16.117,50 | 16.474,80 | 17.982,50 | 19.215,80 | 20.057,40 | | | | | |
| AATZB 800 | | | | | | | 16.812,20 | 18.081,60 | 18.613,90 | 19.657,40 | 20.014,70 | 21.522,40 | 22.755,70 | 23.597,30 | 25.541,20 | | | | |
| AATZB 900 | | | | | | | 20.762,30 | 22.031,70 | 22.564,00 | 23.607,50 | 23.964,80 | 25.472,50 | 26.705,80 | 27.547,40 | 29.491,30 | 35.497,00 | | | |
| AATZB 1000 | | | | | | | | 28.339,90 | 28.872,20 | 29.915,70 | 30.273,00 | 31.780,70 | 33.014,00 | 33.855,60 | 35.799,50 | 41.805,20 | 43.697,50 | | |
| AATZB 1120 | | | | | | | | | 37.179,80 | 38.223,30 | 38.580,60 | 40.088,30 | 41.321,60 | 42.163,20 | 44.107,10 | 50.112,80 | 52.005,10 | 60.312,00 | |
| AATZB 1250 | | | | | | | | | | 49.212,20 | 49.569,50 | 51.077,20 | 52.310,50 | 53.152,10 | 55.096,00 | 61.101,70 | 62.994,00 | 71.300,90 | 74.431,50 |

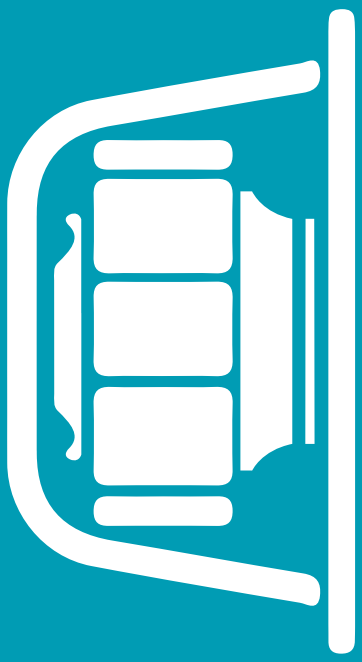
## AATZC

High pressure belt driven fan for transporting solid material
Ventilador a transmisión de alta presión para transporte de material sólido

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZC 400 | 5.246,10 | 5.390,80 | 5.512,00 | 5.721,10 | 6.005,50 | 6.297,90 | 6.630,80 | | | | | | | | | | | | |
| AATZC 450 | | 5.816,30 | 5.937,50 | 6.146,60 | 6.431,00 | 6.723,40 | 7.056,30 | 8.325,70 | 8.858,00 | | | | | | | | | | |
| AATZC 500 | | | 6.819,30 | 7.028,40 | 7.312,80 | 7.605,20 | 7.938,10 | 9.207,50 | 9.739,80 | 10.783,30 | 11.140,60 | | | | | | | | |
| AATZC 560 | | | | | 8.697,00 | 8.989,40 | 9.322,30 | 10.591,70 | 11.124,00 | 12.167,50 | 12.524,80 | 14.032,50 | | | | | | | |
| AATZC 630 | | | | | 10.078,60 | 10.371,00 | 10.703,90 | 11.973,30 | 12.505,60 | 13.549,10 | 13.906,40 | 15.414,10 | | | | | | | |
| AATZC 710 | | | | | | 12.590,80 | 12.923,70 | 14.193,10 | 14.725,40 | 15.768,90 | 16.126,20 | 17.633,90 | 18.867,20 | 19.708,80 | 21.652,70 | | | | |
| AATZC 800 | | | | | | | 14.407,90 | 15.677,30 | 16.209,60 | 17.253,10 | 17.610,40 | 19.118,10 | 20.351,40 | 21.193,00 | 23.136,90 | | | | |
| AATZC 900 | | | | | | | 16.771,20 | 18.040,60 | 18.572,90 | 19.616,40 | 19.973,70 | 21.481,40 | 22.714,70 | 23.556,30 | 25.500,20 | | | | |
| AATZC 1000 | | | | | | | | 20.496,20 | 21.028,50 | 22.072,00 | 22.429,30 | 23.937,00 | 25.170,30 | 26.011,90 | 27.955,80 | 33.961,50 | 35.853,80 | | |
| AATZC 1120 | | | | | | | | 26.109,80 | 26.642,10 | 27.685,60 | 28.042,90 | 29.550,60 | 30.783,90 | 31.625,50 | 33.569,40 | 39.575,10 | 41.467,40 | | |
| AATZC 1250 | | | | | | | | | 38.207,70 | 39.251,20 | 39.608,50 | 41.116,20 | 42.349,50 | 43.191,10 | 45.135,00 | 51.140,70 | 53.033,00 | 61.339,90 | 64.470,50 |

# º Plug fans

º Plug fans





CIKSTORM



CLIBOS



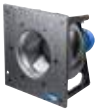
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ENKELFAN EEC
Ø155-190



ENKELFAN EEC
Ø250-630



KENTALFAN
Ø 315-400



KENTALFAN
Ø 450-630

# CIKSTORM



ErP 60 +Info Hz

## BACKWARD CENTRIFUGAL PLUG FAN FOR INDUSTRIAL APPLICATIONS

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan direct driven, type plug fan.
- Squared frame made of carbon laminated steel, protected against corrosion with C3 finishing coat.
- Self-cleaning and reinforced impeller with high-performance backward blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. C3 black colour painting.
- IE3 motor for continuous operation (S1). Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5) and waterproof shaft.
- Maximum continuous working temperature: environment (motor): 60ºC.
- Suitable for transferring gases from -40ºC to 120ºC continuously.

### APPLICATIONS

Plug fan installation for gas recirculation in:

- Integrated in Machinery
- Paint booths
- Dryers of tobacco leaves, barley, ceramics, glass, wood
- Odor control in industry
- Indoor / outdoor pollution control
- Clean air drive and renewal
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Manufacture and treatment of chemical products.

### UNDER REQUEST

- Fans for special voltages
- Refrigeration roll
- 2 speed motor
- C5 corrosion protection
- Anti-caloric paint
- Inox 304
- Inox 316
- Spark construction
- Other construction sizes
- Other motors according to customer requirements

## PLUG FAN CENTRÍFUGO A REACCIÓN PARA APLICACIONES INDUSTRIALES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión de acoplamiento directo tipo plug fan.
- Marco soporte de acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de pintura acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintura C3 de color negro.
- Motor IE3 para funcionamiento en continuo (S1. Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Temperatura máxima de trabajo en continuo: ambiente (motor): 60ºC.
- Apto para trasegar gases desde -40ºC hasta 120ºC en continuo.

### APLICACIONES

Instalación tipo plug fan para la recirculación de gases en:

- Integrado en Maquinaria
- Cabinas de pintura
- Secaderos de hojas de tabaco, cebada, cerámica, vidrio, madera
- Control de olores en industria
- Control de polución interior/exterior
- Impulsión y renovación de aire limpio
- Grandes edificios
- Centros comerciales
- Fábricas / Naves industriales
- Almacenes
- Fabricación y tratamiento de productos químicos.

### BAJO DEMANDA

- Ventiladores para voltajes especiales
- Rodete de refrigeración
- Motor 2 velocidades
- Protección contra la corrosión C5
- Pintura anticalórica
- Inox 304
- Inox 316
- Construcción antichispas
- Otros tamaños constructivos
- Otras motorizaciones según requerimientos del cliente

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**CLBC** pg.501
Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG FAN en cabina



**CLBI** pg.495
Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG FAN en cabina

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 4 pole | 4 polos

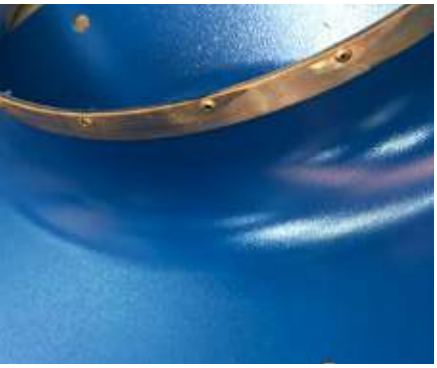
| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PF4514905LG | CIKSTORM 451 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 6.740 | 59 | 99 | **2.255,60** |
| PF4544905LG | CIKSTORM 454 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 8.750 | 58 | 101 | **2.274,10** |
| PF5014125LG | CIKSTORM 501 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 9.240 | 60 | 105 | **2.727,90** |
| PF5044125LG | CIKSTORM 504 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 12.010 | 61 | 108 | **2.749,80** |
| PF5614105LG | CIKSTORM 561 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 12.970 | 64 | 139 | **3.046,50** |
| PF5644105LG | CIKSTORM 564 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 16.850 | 65 | 142 | **3.072,30** |
| PF6314135LG | CIKSTORM 631 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 18.820 | 67 | 154 | **3.513,80** |
| PF6344135LG | CIKSTORM 634 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 24.460 | 68 | 158 | **3.568,70** |
| PF7114165LG | CIKSTORM 711 T4 11kW | 1455 | - | 21,2 | 11,00 | 26.920 | 72 | 239 | **4.989,60** |
| PF7144165LG | CIKSTORM 714 T4 11kW | 1455 | - | 21,2 | 11,00 | 35.110 | 73 | 244 | **5.025,60** |
| PF8014185LG | CIKSTORM 801 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 38.500 | 75 | 265 | **6.194,70** |
| PF8044185LG | CIKSTORM 804 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 50.190 | 76 | 271 | **6.235,90** |

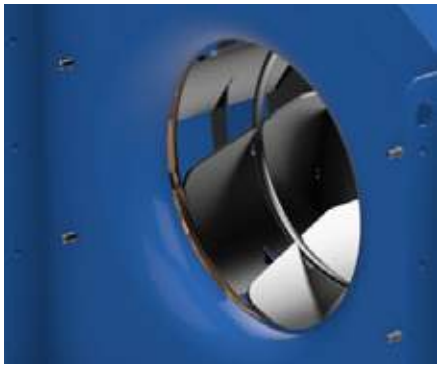


CV.28.02.25

## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| PF5016105LG | CIKSTORM 501 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 5.990 | 49 | 105 | **2.736,10** |
| PF5046105LG | CIKSTORM 504 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 7.780 | 50 | 108 | **2.758,00** |
| PF5616105LG | CIKSTORM 561 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 8.400 | 53 | 139 | **2.943,30** |
| PF5646105LG | CIKSTORM 564 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 10.920 | 54 | 142 | **2.969,20** |
| PF6316115LG | CIKSTORM 631 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 12.190 | 57 | 148 | **3.427,70** |
| PF6346115LG | CIKSTORM 634 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 15.850 | 58 | 151 | **3.482,60** |
| PF7116135LG | CIKSTORM 711 T6 3kW | 960 | 12,7 | 7,3 | 3,00 | 17.440 | 61 | 225 | **4.081,60** |
| PF7146135LG | CIKSTORM 714 T6 3kW | 960 | 12,7 | 7,3 | 3,00 | 22.750 | 62 | 230 | **4.117,30** |
| PF8016135LG | CIKSTORM 801 T6 5,5kW | 960 | - | 12,8 | 5,50 | 24.940 | 64 | 239 | **4.798,30** |
| PF8046135LG | CIKSTORM 804 T6 5,5kW | 960 | - | 12,8 | 5,50 | 32.520 | 65 | 244 | **4.839,50** |






NIMUS ATEX PRESTUR ATEX

Folleto

Storm industrial

Brochure

# CLIBOS



ErP Exempt

60 +info Hz

**BACKWARD CENTRIFUGAL PLUG FAN TYPE, DIRECT DRIVEN, FOR RECIRCULATION OF HOT GASES**

### MANUFACTURING FEATURES

- Direct driven centrifugal medium pressure fan, type plug fan.
- Insulated casing made of carbon laminated steel, protected against corrosion by powder polyester coat. Finish C3.
- Thermal insulation with high density rock wool, 90Kg/m³, thickness 50 mm.
- Self-cleaning and reinforced impeller with high performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations painted In black heat-resistant paint coating.
- IE3 Motor for continuous operation (S1) Squirrel cage standardized asynchronous IEC motor with IP-55 protection and Class F electrical insulation. Standard voltages 230/400V 50Hz for three phase motors Up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5).
- Integrated cooling impeller.
- Maximum continuous working temperature ambient (motor): 60ºC.
- Suitable for transferring gases from -40ºC to 250ºC in continuous.

### APPLICATIONS

Plug-type installation made for the recirculation of gases in:

- Ovens.
- Boilers.
- Paint booths.
- Drying of tobacco, barley, ceramic, glass and wood leaves.
- Insulated thermal cameras subjected to temperature control.
- Burners and incinerators.
- Melting furnaces.

### UNDER REQUEST

- Fans for special voltages.
- 2 Speed motor.
- Inox 304 or Inox 316.
- Sparking proof construction.
- Other sizes.
- Other motors according to customer requeriment.

**CENTRÍFUGO A REACCIÓN TIPO PLUG FAN, ACOPLAMIENTO DIRECTO PARA LA RECIRCULACIÓN DE GASES CALIENTES**

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión de acoplamiento directo tipo plug fan.
- Cajón aislado fabricado en acero laminado al carbono, protegido contra la corrosión mediante recubrimiento de pintura acabado C3.
- Aislamiento térmico con lana de roca de alta densidad, 90Kg/m³, espesor 50 mm.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintura anticalórica de color negro.
- Motor IE3 para funcionamiento en continuo (S1. Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5).
- Rodete de refrigeración integrado.
- Temperatura máxima de trabajo en continuo: ambiente (motor): 60ºC.
- Apto para trasegar gases desde -40ºC hasta 250ºC en continuo.

### APLICACIONES

Instalación tipo plug fan para la recirculación de gases en:

- Hornos.
- Calderas.
- Cabinas de pintura.
- Secaderos de hojas de tabaco, cebada, cerámica, vidrio, madera.
- Cámaras térmicas aisladas sometidas a un control de temperatura.
- Quemadores e incineradoras.
- Hornos de fusión.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Fabricación en aceros especiales, INOX 304, INOX 316.
- Construcción antichispas.
- Otros tamaños constructivos.
- Otras motorizaciones según requerimientos del cliente.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**CLBI** pg.495
Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG FAN en cabina



**CLBC** pg.501
Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG FAN en cabina



**LENTICHEK** pg.518
Vibration monitoring system.
Sistema supervisión de vibraciones.



**LARIDIS** pg.518
Automatic bearing lubricator.
Lubricador automático de cojinetes.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| CD4514905LGRRA1 | CLIBOS 451 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 6.740 | 57 | 117 | **2.772,50** |
| CD4544905LGRRA1 | CLIBOS 454 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 8.750 | 58 | 119 | **2.791,10** |
| CD5014125LGRRA1 | CLIBOS 501 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 9.240 | 61 | 125 | **3.196,30** |
| CD5044125LGRRA1 | CLIBOS 504 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 12.010 | 61 | 128 | **3.218,00** |
| CD5614105LGRRA1 | CLIBOS 561 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 12.970 | 64 | 161 | **3.556,80** |
| CD5644105LGRRA1 | CLIBOS 564 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 16.850 | 65 | 164 | **3.582,70** |
| CD6314135LGRRA1 | CLIBOS 631 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 18.820 | 67 | 179 | **3.963,30** |
| CD6344135LGRRA1 | CLIBOS 634 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 24.460 | 68 | 183 | **4.060,80** |
| CD7114165LGRRA1 | CLIBOS 711 T4 11kW | 1455 | - | 21,2 | 11,00 | 26.920 | 72 | 267 | **5.749,20** |
| CD7144165LGRRA1 | CLIBOS 714 T4 11kW | 1455 | - | 21,2 | 11,00 | 35.110 | 73 | 272 | **5.785,10** |
| CD8014185LGRRA1 | CLIBOS 801 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 38.500 | 75 | 297 | **6.990,40** |
| CD8044185LGRRA1 | CLIBOS 804 T4 18,5kW | 1470 | - | 35,6 | 18,50 | 50.190 | 76 | 303 | **7.031,90** |



CV.28.02.25

## 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| CD5016105LGRRA1 | CLIBOS 501 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 5.990 | 49 | 125 | **3.204,40** |
| CD5046105LGRRA1 | CLIBOS 504 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 7.780 | 50 | 128 | **3.226,20** |
| CD5616105LGRRA1 | CLIBOS 561 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 8.400 | 53 | 161 | **3.453,70** |
| CD5646105LGRRA1 | CLIBOS 564 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 10.920 | 54 | 164 | **3.479,50** |
| CD6316115LGRRA1 | CLIBOS 631 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 12.190 | 57 | 173 | **3.877,40** |
| CD6346115LGRRA1 | CLIBOS 634 T6 2,2kW | 965 | 10,3 | 5,94 | 2,20 | 15.850 | 58 | 176 | **3.974,70** |
| CD7116135LGRRA1 | CLIBOS 711 T6 3kW | 960 | 12,7 | 7,3 | 3,00 | 17.440 | 61 | 253 | **4.841,00** |
| CD7146135LGRRA1 | CLIBOS 714 T6 3kW | 960 | 12,7 | 7,3 | 3,00 | 22.750 | 62 | 258 | **4.876,70** |
| CD8016135LGRRA1 | CLIBOS 801 T6 5,5kW | 960 | - | 12,8 | 5,50 | 24.940 | 64 | 271 | **5.594,00** |
| CD8046135LGRRA1 | CLIBOS 804 T6 5,5kW | 960 | - | 12,8 | 5,50 | 32.520 | 65 | 276 | **5.635,50** |




Brochure

Folleto

# CLIBOS-TR



ErP Exempt

60 +info Hz

## CENTRIFUGAL FAN TO REACT, DRIVEN TO TRANSMISSION FOR THE RECIRCULATION OF HOT GASES

### MANUFACTURING FEATURES

- Centrifugal transmission fan of medium pressure type plug fan.
- Insulated box made of carbon laminated steel, protected against corrosion by powder coating of anticaloric painting. Finish C3.
- High density rock wool insulation, 145Kg/m$^3$, thickness 150mm.
- Self-cleaning turbine and reinforced impeller of backward (reaction) high performance blades manufactured in carbon laminated steel dynamically balanced to minimize noise and vibrations. Anti-heat paint of black color.
- Transmission Assembly with protections according to ISO 13857 standard.
- High efficiency belt without maintenance.
- Heavy duty waterproof monobloc.
- IE3 motor for continuous operation (S1) Squirrel cage standardized asynchronous IEC motor with IP-55 protection and Class F electrical insulation. Standard voltages 230/400V 50for three phase motors Up to 4kW and 400/690V 50Hz for higher powers.
- Motor with legs (B3) supported on a bench.
- Maximum continuous working temperature ambient (motor): 60ºC.
- Suitable for transferring gases from -40ºC to 350ºC continuously due to cooling impeller.

### APPLICATIONS

Plug-type installation made for the recirculation of gases in:

- Ovens.
- Boilers.
- Paint booths.
- Drying of tobacco, barley, ceramic, glass and wood leaves.
- Insulated thermal cameras subjected to temperature control.
- Burners and incinerators.
- Melting furnaces.

### UNDER REQUEST

- Fans for special voltages
- Motor 2 Speed
- Manufacturing in special steels for work Up to 550ºC in continuous
- Other Insulation thicknesses (200mm)
- Inox 304
- Inox 316
- Sparking proof construction
- Other sizes
- Other motors according to customer requeriments

***This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.***

## CENTRÍFUGO A REACCIÓN, A TRANSMISIÓN PARA LA RECIRCULACIÓN DE GASES CALIENTES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión a transmisión tipo plug fan.
- Cajón aislado fabricado en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de pintura anticalórica. Acabado C3.
- Aislamiento térmico con lana de roca de alta densidad, 145Kg/m$^3$, espesor 150mm.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintura anticalórica de color negro.
- Conjunto transmisión con protecciones según norma ISO 13857.
- Correa de alta eficiencia sin mantenimiento.
- Monobloque estanco heavy duty.
- Motor IE3 para funcionamiento en continuo (S1. Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre bancada.
- Temperatura máxima de trabajo en continuo ambiente (motor): 60ºC.
- Apto para trasegar gases desde -40ºC hasta 350ºC en continuo gracias al rodete de regrigeración.

### APLICACIONES

Instalación tipo plug fan para la recirculación de gases en:

- Hornos.
- Calderas.
- Cabinas de pintura.
- Secaderos de hojas de tabaco, cebada, cerámica, vidrio, madera.
- Cámaras térmicas aisladas sometidas a un control de temperatura.
- Quemadores e incineradoras.
- Hornos de fusión.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Fabricación en aceros especiales para trabajo hasta 550ºC en continuo.
- Otros espesores de aislamiento (200mm).
- Inox 304.
- Inox 316.
- Construcción antichispas.
- Otros tamaños constructivos.
- Otras motorizaciones según requerimientos del cliente.

***Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.***

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**CLBI** pg.495
Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG FAN en cabina



**CLBC** pg.501
Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG FAN en cabina



**LENTICHEK** pg.518
Vibration monitoring system.
Sistema supervisión de vibraciones.



**LARIDIS** pg.518
Automatic bearing lubricator.
Lubricador automático de cojinetes.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4 pole | 4 polos

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| CLIBOS-TR 451 T4 | 4.722,50 | 4.842,50 | 5.090,00 | 5.429,70 | | | | | |
| CLIBOS-TR 501 T4 | | 4.979,70 | 5.227,20 | 5.566,90 | 5.797,40 | | | | |
| CLIBOS-TR 561 T4 | | 5.202,50 | 5.450,00 | 5.789,70 | 6.020,20 | | | | |
| CLIBOS-TR 631 T4 | | | 5.543,10 | 5.876,80 | 6.103,20 | 8.056,50 | | | |
| CLIBOS-TR 711 T4 | | | | 6.386,80 | 6.613,20 | 8.566,50 | 8.852,00 | | |
| CLIBOS-TR 801 T4 | | | | | 6.864,70 | 8.818,00 | 9.103,50 | 9.735,10 | 10.007,20 |




Casals
soul made fans

>IKHUNA<
>100/120/150



*Designed by:* DANIEL PIVA

> EXTRACTOR **PARA VENTANA**
CON **PERSIANA AUTOMÁTICA**
**ANTIRRETORNO** <

> **WINDOW** EXTRACTOR
WITH **AUTOMATIC BACKDRAUGHT**
**SHUTTER** <

# ENKELFAN EEC



155-190



250-630

ErP | 50 & 60 Hz | EEC PM motors

## CENTRIFUGAL FAN WITH EXTERNAL ROTOR EC MOTOR

### MANUFACTURING FEATURES

- Plug-type fan with self-cleaning impeller with back curved blades (backward), high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Polyamide reinforced impeller for models 155 and 190 and aluminum plate for the rest.
- High efficiency (IE4 for three phase motors and IE5 for single motors), low noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply for models 155 to 310 and three-phase 400V 50/60Hz for sizes 355 to 630. IP54 motor and class B insulation.
- Frame and motor support arms made of galvanized steel.

### APPLICATIONS

- Ideal to integrate in air conditioners, plenums, compressors, dryers, booths, photovoltaic inverters.
- Working temperature range from -20ºC to 60ºC for models size 155-310, -25ºC to 60ºC for 355-450 sizes, -30ºC to 50ºC for size 500 and -30ºC to 40ºC for 560 and 630 models.

### UNDER REQUEST

- Fan (size between 250 and 450) with k-factor reading.

## CENTRÍFUGO CON MOTOR EC DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tipo plug fan con turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para los modelos 155 y 190 y chapa de aluminio para el resto de modelos.
- Motor EC de rotor exterior de alta eficiencia (IE4 para motores trifásicos e IE5 para monofásicos) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos 155 a 310 y trifásica 400V 50/60Hz para tamaños 355 a 630. Motor IP54 y aislamiento clase B.
- Marco y brazos soporte motor fabricados en acero galvanizado.

### APLICACIONES

- Ideal para integrar en climatizadoras, plénums, compresores, secaderos, cabinas, inversores fotovoltaicos.
- Rango de temperatura de trabajo de -20ºC a 60ºC para modelos de 155 a 310, de -25ºC a 60ºC para modelos 355 a 450, de -30ºC a 50ºC para el modelo 500 y de -30ºC a 40ºC para los tamaños 560 i 630.

### BAJO DEMANDA

- Ventilador (tamaño entre 250 y 450) con lectura de factor k.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**PMR** pg.516
Speed controller with safety switch for EEC engine.
Regulador velocidad con interruptor de seguridad para motor EEC

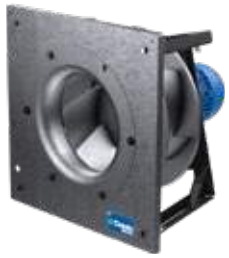
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | Pot. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKEC155 | ENKELFAN 155 EEC | 3950 | 0,25 | 0,06 | 460 | 46 | 3 | **300,00** |
| ENKEC190 | ENKELFAN 190 EEC | 3570 | 0,6 | 0,09 | 760 | 49 | 4,5 | **320,00** |
| ENKEC250 | ENKELFAN 250 EEC | 2500 | 1,00 | 0,15 | 1.640 | 51 | 7,5 | **410,00** |
| ENKEC310 | ENKELFAN 310 EEC | 2350 | 1,7 | 0,36 | 3.160 | 55 | 13 | **650,00** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | Pot. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| ENKEC355 | ENKELFAN 355 EEC | 2100 | 1,63 | 0,99 | 4.890 | 55 | 17,50 | **1.080,00** |
| ENKEC450 | ENKELFAN 450 EEC | 1450 | 1,67 | 1,01 | 6.955 | 48 | 26 | **1.240,00** |
| ENKEC500 | ENKELFAN 500 EEC | 1800 | 4,95 | 3,00 | 13.850 | 73 | 40 | **2.191,00** |
| ENKEC560 | ENKELFAN 560 EEC | 1520 | 4,4 | 2,77 | 16.100 | 85 | 48 | **2.335,00** |
| ENKEC630 | ENKELFAN 630 EEC | 1250 | 4,4 | 2,70 | 18.600 | 100 | 53 | **2.475,10** |

# KENTALFAN



Ø 315-400



Ø 450-630

ErP 60 +info Hz

## PLUG FAN WITH IEC MOTOR

- Medium size plug fan available from Ø315mm to Ø630mm.
- It offers flows up to 22.300 m³/h and pressures up to 1.200Pa.

### MANUFACTURING FEATURES

- Latest generation impeller made of galvanized sheet metal with built-in diffuser to increase efficiency. Self-cleaning impeller with backward curved (reaction) blades, high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration.
- Galvanized sheet metal structure for small sizes up to Ø400mm, and the rest of the models in pickled sheet metal painted with black epoxy polyester.
- IEC standard asynchronous squirrel cage motor with IP-55 protection and class F. electrical insulation. Standard voltages 230/400V 50Hz for threephase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

- Ideal to integrate in air conditioners, plenums, compressors, dryers, booths, photovoltaic inverters.
- Maximum continuous working temperature: 60ºC.
- System prepared to comply with future European efficiency regulations (ErP).

### UNDER REQUEST

- Other possible fabrications up to 100ºC and up to IP66.

## PLUG FAN CON MOTOR IEC

- Ventilador tipo plug fan de tamaño medio disponible desde Ø315mm hasta Ø630mm.
- Ofrece caudales hasta 21.000 m³/h y presiones hasta 1.200Pa.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de última generación de chapa galvanizada engatillada con difusor incorporado para incrementar la eficiencia. Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones.
- Estructura de chapa galvanizada para los tamaños pequeños hasta Ø400mm, y el resto de modelos de chapa decapada pintada de epoxy poliéster de color negro.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

- Ideal para integrar en climatizadoras, plénums, compresores, secaderos, cabinas, inversores fotovoltaicos.
- Temperatura máxima de trabajo en continuo: 60ºC.
- Sistema preparado para cumplir con los futuros reglamentos europeos de eficiencia (ErP).

### BAJO DEMANDA

- Otras fabricaciones posibles hasta 100ºC y hasta IP66.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | Pot. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 248314103 | KENTALFAN 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.590 | 15 | **650,00** |
| 248354103 | KENTALFAN 355 M4 0,25kW | 1400 | 1,93 | 0,25 | 3.610 | 17 | **685,00** |
| 248404103 | KENTALFAN 400 M4 0,55kW | 1400 | 3,98 | 0,55 | 5.340 | 26 | **925,00** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) 230V | | Pot. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 248312106 | KENTALFAN 315 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.260 | 59 | 16 | **900,00** |

## 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) 230V | | Pot. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 248314106 | KENTALFAN 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.590 | 43 | 15 | **735,00** |
| 248354106 | KENTALFAN 355 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 3.610 | 45 | 17 | **775,00** |
| 248404106 | KENTALFAN 400 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.340 | 48 | 26 | **980,00** |
| 248454106 | KENTALFAN 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 7.870 | 52 | 33 | **1.179,00** |
| 248504106 | KENTALFAN 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 10.430 | 55 | 52 | **1.654,10** |
| 248564106 | KENTALFAN 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 15.040 | 55 | 62 | **2.000,00** |
| 248634106 | KENTALFAN 630 T4 5,5kW | 960 | - | 12,8 | 5,50 | 22.550 | 60 | 82 | **2.650,00** |

## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) 230V | | Pot. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 248506106 | KENTALFAN 500 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.850 | 46 | 50 | **1.540,00** |
| 248566106 | KENTALFAN 560 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 10.020 | 46 | 60 | **1.800,00** |
| 248636106 | KENTALFAN 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 14.820 | 51 | 71 | **2.150,00** |


# Casals tiene soluciones para la ventilación, recuperación y renovación de aire en hoteles

Brochure

Folleto

## Casals has solutions for ventilation, energy recovery and air renewal in hotels



Recuperadores terciarios, extractores de baño, cocinas, parkings, presurización de escaleras y cortinas de aire.
Heat recovery units, bathroom extractors, kitchens, parkings, stair pressurization and air curtains.



° MB



° HJBM PLUS



° HI

# ° SOLUCIONES EN VENTILACIÓN Y FILTRACIÓN PARA LA INDUSTRIA GANADERA.

° VENTILATION AND FILTRATION SOLUTIONS FOR THE LIVESTOCK INDUSTRY.



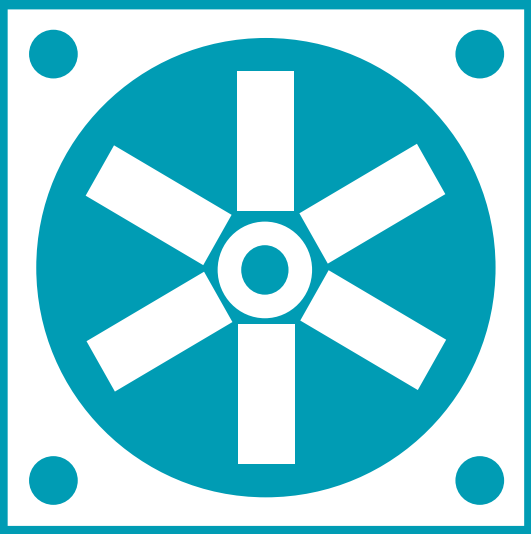


° HJB

° ENKELBOX PLUS EEC & BOX FILTER

# º Axial fans

# º Ventiladores helicoidales





HJEM



HJBM PLUS



HJBM EEC



HJB



HB



HBA



HC



HCA



HC EVO EEC



HCA EVO EEC



HM



HMA



HM EVO EEC



HMA EVO EEC



HI



HH-2

# HJEM



ErP 60 +info Hz

## WALL FAN WITH SQUARED PLATE

### MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with polyester finishing coat.
- Aluminium sheet impeller.
- Supplied with motor support and protection guard according to the UNE-EN 294 standard.
- Shaded-pole asynchronous motor with Electromagnetic Compatibility Certification (EMC) according to the EN 55014, EN 61000-3-2 (95) and EN 61000-3-3 (95) Standards; rated Class F isolation and IP-42 protection according to the DIN40050 standard.
- Standard voltages 230V 50Hz.

### APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal in all kind of closed environments.
- Maximum working temperature: 50ºC.

## MURAL CON MARCO CUADRADO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado recubierto de pintura de poliéster.
- Hélice en chapa de aluminio.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 294.
- Motores asíncronos de espira de sombra con homologación de Compatibilidad Electromagnética (CEM), según normas EN 55014, EN 61000-3-2 (95) y EN 61000-3-3 (95), aislamiento clase F y grado de protección IP-42 según DIN40050.
- Voltajes estándar a 230V 50Hz.

### APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de locales.
- Temperatura máxima de trabajo en continuo: 50ºC.

## ACCESSORIES | ACCESORIOS



**REG** pg.511
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M.nominal | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 265201103 | HJEM 20 M4 | 1320 | 0,21 | 0,029 | 500 | 24 | 1,5 | **166,30** |
| 265251103 | HJEM 25 M4 | 1370 | 0,35 | 0,054 | 760 | 30 | 2,5 | **192,80** |
| 265301103 | HJEM 30 M4 | 1260 | 0,7 | 0,075 | 1.220 | 36 | 3,5 | **234,10** |
| 265351103 | HJEM 35 M4 | 1320 | 0,75 | 0,08 | 1.690 | 42 | 4 | **279,60** |



CV.28.02.25

# HJBM PLUS



ErP 60 +info Hz

**WALL FAN WITH SQUARED PLATE, VARIABLE PITCH BLADES AND HIGH EFFICIENCY MOTOR**

### MANUFACTURING FEATURES

- Squared frame in galvanized steel sheet with C4 anti-corrosion finish.
- Variable pitch angle polyamide impeller reinforced with fibreglass.
- Supplied with motor support and protection guard according to the UNE-EN 20-359-74. In compliance with ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Standard asynchronous squirrel-cage motor with IP-55 protection (wiring box IP-65) and Class F insulation.
- Standard voltages 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.

### APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: single phase 50ºC, three phase 60ºC.

### UNDER REQUEST

- Aluminium impeller. 15% additional cost.

**MURAL CON MARCO CUADRADO, PALA VARIABLE Y MOTOR DE ALTA EFICIENCIA**

### CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado con acabado anticorrosión C4.
- Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor de alta eficiencia asíncrono de jaula de ardilla con protección IP-55 (caja de conexiones IP-65) y aislamiento clase F.
- Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.

### APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

### BAJO DEMANDA

- Hélice aluminio. Incremento 15% sobre PVP.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 268253103 | HJBM PLUS 25 M2 0,18kW | 2790 | 1,36 | 0,18 | 1.980 | 53 | 4,5 | **463,70** |
| 268303103 | HJBM PLUS 30 M2 0,55kW | 2800 | 3,71 | 0,55 | 3.920 | 56 | 6,5 | **515,20** |
| 268353103 | HJBM PLUS 35 M2 1,1kW | 2800 | 6,71 | 1,1 | 5.770 | 57 | 7,5 | **629,60** |

### 4 pole | 4 polos

| Code | Model | R.P.M | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 268263103 | HJBM PLUS 25 M4 0,06kW | 1400 | 0,58 | 0,06 | 1.290 | 39 | 4 | **447,70** |
| 268313103 | HJBM PLUS 30 M4 0,08kW | 1370 | 0,9 | 0,08 | 2.210 | 42 | 5 | **497,50** |
| 268363103 | HJBM PLUS 35 M4 0,12kW | 1380 | 0,93 | 0,12 | 2.850 | 42 | 6,5 | **552,60** |
| 268403103 | HJBM PLUS 40 M4 0,25kW | 1410 | 1,6 | 0,25 | 4.700 | 48 | 9 | **633,00** |
| 268453103 | HJBM PLUS 45 M4 0,37kW | 1400 | 2,82 | 0,37 | 6.380 | 49 | 13 | **779,60** |
| 268503103 | HJBM PLUS 50 M4 0,55kW | 1400 | 3,98 | 0,55 | 8.060 | 50 | 18 | **925,00** |
| 268563103 | HJBM PLUS 56 M4 0,75kW | 1400 | 5,21 | 0,75 | 12.010 | 55 | 20 | **994,10** |

### 6 pole | 6 polos

| Code | Model | R.P.M | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 268413103 | HJBM PLUS 40 M6 0,04kW | 920 | 0,6 | 0,04 | 2.770 | 36 | 9 | **645,10** |
| 268463103 | HJBM PLUS 45 M6 0,13kW | 920 | 1,3 | 0,13 | 4.720 | 41 | 13 | **740,90** |
| 268513103 | HJBM PLUS 50 M6 0,13kW | 920 | 1,3 | 0,13 | 6.050 | 43 | 18 | **888,00** |
| 268573103 | HJBM PLUS 56 M6 0,21kW | 945 | 2 | 0,21 | 7.810 | 45 | 20 | **954,10** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 268253106 | HJBM PLUS 25 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.980 | 53 | 4,5 | **454,60** |
| 268303106 | HJBM PLUS 30 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 4.480 | 57 | 6,5 | **504,80** |
| 268353106 | HJBM PLUS 35 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 5.770 | 57 | 7,5 | **617,30** |

### 4 pole | 4 polos

| Code | Model | R.P.M | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 268263106 | HJBM PLUS 25 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.290 | 39 | 4 | **424,20** |
| 268313106 | HJBM PLUS 30 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 2.210 | 42 | 5 | **471,40** |
| 268363106 | HJBM PLUS 35 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.850 | 42 | 6,5 | **576,10** |
| 268403106 | HJBM PLUS 40 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 4.700 | 48 | 9 | **615,90** |
| 268453106 | HJBM PLUS 45 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 7.270 | 50 | 13 | **842,00** |
| 268503106 | HJBM PLUS 50 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 9.330 | 52 | 18 | **972,70** |
| 268563106 | HJBM PLUS 56 T4 0,75kW | 1410 | 2,57 | 1,49 | 0,75 | 12.010 | 55 | 20 | **1.011,70** |

### 6 pole | 6 polos

| Code | Model | R.P.M | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 268413106 | HJBM PLUS 40 T6 0,12kW | 850 | 1,08 | 0,62 | 0,12 | 2.770 | 36 | 9 | **648,80** |
| 268463106 | HJBM PLUS 45 T6 0,13kW | 920 | 0,69 | 0,40 | 0,13 | 4.720 | 41 | 13 | **816,70** |
| 268513106 | HJBM PLUS 50 T6 0,13kW | 920 | 0,69 | 0,40 | 0,13 | 6.050 | 43 | 18 | **933,90** |
| 268573106 | HJBM PLUS 56 T6 0,21kW | 945 | 1,02 | 0,59 | 0,21 | 7.810 | 45 | 20 | **961,90** |



# 400°C/2h



# HJBM EEC



WALL FAN WITH SQUARED PLATE, VARIABLE PITCH BLADES AND BRUSHLESS ELECTRONIC MOTOR (EEC)

### MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with polyester finishing coat.
- Variable pitch angle polyamide impeller reinforced with fibreglass.
- Supplied with motor support and protection guard according to the UNE-EN 20-359-74. In compliance with ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.

### APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal for all kind of buildings and industries.
- Maximum working temperature: 50ºC.

### UNDER REQUEST

- Aluminium impeller. 15% additional cost.

MURAL CON MARCO CUADRADO, PALA VARIABLE Y MOTOR ELECTRÓNICO BRUSHLESS (EEC)

### CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado recubierto de pintura de poliéster.
- Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos.
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.

### APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 50ºC.

### BAJO DEMANDA

- Hélice aluminio. Incremento 15% sobre PVP.

## ACCESSORIES | ACCESORIOS



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. nominal kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 268351103 | HJBM 35 0,37kW EEC (1420RPM) | 1420 | 5,00 | 0,37 | 2.830 | 42 | 7 | **1.058,00** |
| 268401103 | HJBM 40 0,37kW EEC (1420RPM) | 1420 | 5,00 | 0,37 | 5.040 | 46 | 9 | **1.134,70** |
| 268451103V2 | HJBM 45 0,75kW EEC (1420RPM) | 1420 | 5,8 | 0,75 | 6.020 | 48 | 12,50 | **1.165,60** |
| 268501103V2 | HJBM 50 0,75kW EEC (1420RPM) | 1420 | 5,8 | 0,75 | 9.100 | 50 | 18 | **1.420,70** |
| 268561103 | HJBM 56 1,5kW EEC (1420RPM) | 1420 | 10,00 | 1,5 | 11.4780 | 53 | 22 | **1.628,70** |

# HJB



ErP Exempt

60 +info Hz

WALL AXIAL BELT DRIVEN FAN FOR HIGH FLOWRATES AND LOW RPM

### MANUFACTURING FEATURES

- Casing made of galvanized steel sheet.
- Equipped with gravity shutter.
- Impeller made of stainless steel sheet (AISI 430).
- Protection guard on back side.
- Inspection cover for motor access. Wiring box inside the casing.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltage, three phase 4 pole motor, 230/400V 50Hz IE2.

### APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal in buildings and industries.
- Farms and greenhouses.
- Maximum continuous working temperature: 50ºC.

MURAL A TRANSMISIÓN DE GRAN CAUDAL Y BAJAS RPM

### CARACTERÍSTICAS CONSTRUCTIVAS

- Totalmente construido en chapa de acero galvanizado.
- Equipados con persiana sobre presión.
- Hélice fabricada en acero inoxidable (AISI 430).
- Rejilla de protección en la parte posterior del ventilador.
- Tapa de registro para acceder al motor. Caja de bornes accesible en el interior.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltaje estándar trifásico de 4 polos 230/400V 50Hz IE2.

### APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Granjas e invernaderos.
- Temperatura máxima de trabajo en continuo: 50ºC.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514

Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515

Safety switch.
Interruptor de corte.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 509111034 | HJB 90 T4 0,55kW | 1390 | 2,5 | 1,4 | 0,55 | 15.600 | 63 | 80 | **950,00** |
| 509111044 | HJB 110 T4 0,75KW | 1450 | 3,5 | 2,00 | 0,75 | 25.800 | 65 | 88 | **1.327,70** |
| 509112244 | HJB 120 T4 1,1KW | 1450 | 4,7 | 2,7 | 1,10 | 32.600 | 62 | 97 | **1.537,50** |
| 509113845 | HJB 140 T4 1,1KW | 1450 | 4,7 | 2,7 | 1,10 | 41.100 | 61 | 110 | **1.711,80** |

# HB & HBA



HB



HBA

ErP 60 +info Hz

## WALL FAN WITH VARIABLE PITCH BLADES

### MANUFACTURING FEATURES

- Wall axial fan with circular reinforced frame made of sheet steel.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- HB: polyamide impeller with variable pitch angle reinforced with fibreglass
- HBA: cast aluminium impeller with variable pitch angle.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum continuous working temperature: single phase 50ºC, three phase 60ºC.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Hot-dipped galvanized or stainless steel housing.
- Fan to move air up to 100ºC (HBA).

## MURAL DE PALA VARIABLE

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado con nervio intermedio en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- HB: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en origen.
- HBA: élice en fundición de aluminio de ángulo variable en origen.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP
- Hélice reversible 100%. Incremento 5% sobre PVP
- Envolvente en chapa galvanizada en caliente o acero inoxidable.
- Ventilador para mover aire hasta 100ºC (HBA).

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**MC HB** pg.483
Square mounting frame.
Marco soporte cuadrado.

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HB)

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | |
|---|---|---|---|
| | 0,55 | 0,75 | 1,1 |
| HB 35 M2 (A0:6) | **603,90** | **693,70** | **739,20** |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 |
| HB 35 M4 (A0:6) | 471,40 | | | | |
| HB 40 M4 (A0:6) | | 550,10 | | | |
| HB 45 M4 (A0:6) | | 604,40 | | | |
| HB 45 M4 (A5:6) | | 692,40 | 717,90 | 784,70 | |
| HB 50 M4 (A0:6) | | | 736,40 | | |
| HB 50 M4 (A5:6) | | 798,80 | 824,30 | 891,10 | 928,60 |
| HB 56 M4 (A2:6) | | | 872,50 | 939,30 | 976,80 |
| HB 56 M4 (A2:9) | | | 905,90 | 972,70 | 1.010,20 |
| HB 56 M4 (A5:6) | | | 887,00 | 953,80 | 991,30 |
| HB 63 M4 (A2:6) | | | | 1.037,00 | 1.074,50 |
| HB 63 M4 (A2:9) | | | | 1.070,50 | 1.108,00 |
| HB 63 M4 (A5:6) | | | | 1.051,40 | 1.088,90 |
| HB 71 M4 (A2:6) | | | | | 1.173,10 |
| HB 71 M4 (A2:9) | | | | | 1.206,40 |
| HB 71 M4 (A5:6) | | | | | 1.187,50 |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HBA)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | |
|---|---|---|---|
| | 0,55 | 0,75 | 1,1 |
| HBA 35 M2 (A0:6) | 665,50 | 755,30 | 800,80 |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 |
| HBA 35 M4 (A0:6) | 522,20 | | | | |
| HBA 40 M4 (A0:6) | | 600,80 | | | |
| HBA 45 M4 (A0:6) | | 655,30 | | | |
| HBA 45 M4 (A5:6) | | 837,10 | 862,60 | 929,40 | |
| HBA 50 M4 (A0:6) | | | 787,40 | | |
| HBA 50 M4 (A5:6) | | 943,60 | 969,10 | 1.035,90 | 1.073,40 |
| HBA 56 M4 (A2:6) | | | 995,10 | 1.061,90 | 1.099,40 |
| HBA 56 M4 (A2:9) | | | 1.089,80 | 1.156,60 | 1.194,10 |
| HBA 56 M4 (A5:6) | | | 1.031,80 | 1.098,60 | 1.136,10 |
| HBA 63 M4 (A2:6) | | | | 1.159,60 | 1.197,10 |
| HBA 63 M4 (A2:9) | | | | 1.254,20 | 1.291,70 |
| HBA 63 M4 (A5:6) | | | | 1.196,20 | 1.233,70 |
| HBA 71 M4 (A2:6) | | | | | 1.295,60 |
| HBA 71 M4 (A2:9) | | | | | 1.390,30 |
| HBA 71 M4 (A5:6) | | | | | 1.332,20 |

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HB)

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HB 35 T4 (A0:6) | 558,80 | | | | | | | | | | | |
| HB 40 T4 (A0:6) | | 641,40 | | | | | | | | | | |
| HB 45 T4 (A0:6) | | 695,70 | | | | | | | | | | |
| HB 45 T4 (A5:6) | | 783,70 | 790,50 | 812,60 | | | | | | | | |
| HB 50 T4 (A0:6) | | | 809,00 | | | | | | | | | |
| HB 50 T4 (A5:6) | | 890,10 | 896,90 | 919,00 | 925,10 | | | | | | | |
| HB 56 T4 (A2:6) | | | 945,10 | 967,20 | 973,30 | 1.028,10 | 1.085,20 | 1.208,00 | | | | |
| HB 56 T4 (A2:9) | | | 978,50 | 1.000,60 | 1.006,70 | 1.061,50 | 1.118,60 | 1.241,40 | 1.351,60 | | | |
| HB 56 T4 (A5:6) | | | 959,60 | 981,70 | 987,80 | 1.042,60 | 1.099,70 | 1.222,50 | | | | |
| HB 63 T4 (A2:6) | | | | 1.064,90 | 1.071,00 | 1.125,80 | 1.182,90 | 1.305,70 | 1.415,90 | | | |
| HB 63 T4 (A2:9) | | | | 1.098,40 | 1.104,50 | 1.159,30 | 1.216,40 | 1.339,20 | 1.449,40 | | | |
| HB 63 T4 (A5:6) | | | | 1.079,30 | 1.085,40 | 1.140,20 | 1.197,30 | 1.320,10 | 1.430,30 | | | |
| HB 71 T4 (A2:6) | | | | | 1.169,60 | 1.224,40 | 1.281,50 | 1.404,30 | 1.514,50 | 1.677,30 | | |
| HB 71 T4 (A2:9) | | | | | 1.202,90 | 1.257,70 | 1.314,80 | 1.437,60 | 1.547,80 | 1.710,60 | | |
| HB 71 T4 (A5:6) | | | | | 1.184,00 | 1.238,80 | 1.295,90 | 1.418,70 | 1.528,90 | 1.691,70 | | |
| HB 80 T4 (A2:6) | | | | | | 1.361,00 | 1.418,10 | 1.540,90 | 1.651,10 | 1.813,90 | 2.061,30 | 2.273,20 |
| HB 80 T4 (A2:9) | | | | | | 1.394,40 | 1.451,50 | 1.574,30 | 1.684,50 | 1.847,30 | 2.094,70 | 2.306,60 |
| HB 80 T4 (A5:6) | | | | | | 1.375,30 | 1.432,40 | 1.555,20 | 1.665,40 | 1.828,20 | | |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HB 90 T4 (A6:3) | 2.493,40 | 2.656,20 | 2.903,60 | 3.115,50 | 3.784,70 | 4.051,80 | | | | | |
| HB 90 T4 (A6:6) | 2.668,00 | 2.830,80 | 3.078,20 | 3.290,10 | 3.959,30 | 4.226,40 | | | | | |
| HB 100 T4 (A6:3) | | | 3.207,60 | 3.419,50 | 4.088,70 | 4.355,80 | 4.947,40 | 5.137,80 | | | |
| HB 100 T4 (A6:6) | | | 3.381,90 | 3.593,80 | 4.263,00 | 4.530,10 | 5.121,70 | 5.312,10 | | | |
| HB 112 T4 (A6:3) | | | 4.252,70 | 4.464,60 | 5.133,80 | 5.400,90 | 5.992,50 | 6.182,90 | 7.233,20 | 8.187,40 | |
| HB 112 T4 (A6:6) | | | 4.427,20 | 4.639,10 | 5.308,30 | 5.575,40 | 6.167,00 | 6.357,40 | 7.407,70 | 8.361,90 | |
| HB 125 T4 (A7:4) | | | | 5.064,10 | 5.733,30 | 6.000,40 | 6.592,00 | 6.782,40 | 7.832,70 | 8.786,90 | 9.382,90 |
| HB 125 T4 (A7:8) | | | | | 6.062,10 | 6.329,20 | 6.920,80 | 7.111,20 | 8.161,50 | 9.115,70 | 9.711,70 |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 6 pole | 6 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HB 35 T6 (A0:6) | 647,70 | | | | | | | | | | | | | | |
| HB 40 T6 (A0:6) | | 703,60 | | | | | | | | | | | | | |
| HB 45 T6 (A0:6) | 739,90 | | | | | | | | | | | | | | |
| HB 45 T6 (A5:6) | | 845,90 | | | | | | | | | | | | | |
| HB 50 T6 (A0:6) | | 864,40 | | | | | | | | | | | | | |
| HB 50 T6 (A5:6) | | 952,30 | | | | | | | | | | | | | |
| HB 56 T6 (A2:6) | | 1.000,50 | 1.007,80 | 1.025,70 | 1.010,90 | | | | | | | | | | |
| HB 56 T6 (A2:9) | | 1.033,90 | 1.041,20 | 1.059,10 | 1.044,30 | | | | | | | | | | |
| HB 56 T6 (A5:6) | | 1.015,00 | 1.022,30 | 1.040,20 | 1.025,40 | | | | | | | | | | |
| HB 63 T6 (A2:6) | | | | 1.123,40 | 1.108,60 | 1.140,50 | | | | | | | | | |
| HB 63 T6 (A2:9) | | | | 1.156,90 | 1.142,10 | 1.174,00 | | | | | | | | | |
| HB 63 T6 (A5:6) | | | | 1.137,80 | 1.123,00 | 1.154,90 | | | | | | | | | |
| HB 71 T6 (A2:6) | | | | 1.222,00 | 1.207,20 | 1.239,10 | 1.302,70 | | | | | | | | |
| HB 71 T6 (A2:9) | | | | 1.255,30 | 1.240,50 | 1.272,40 | 1.336,00 | | | | | | | | |
| HB 71 T6 (A5:6) | | | | 1.236,40 | 1.221,60 | 1.253,50 | 1.317,10 | | | | | | | | |
| HB 80 T6 (A2:6) | | | | | | 1.375,70 | 1.439,30 | 1.548,90 | 1.728,80 | | | | | | |
| HB 80 T6 (A2:9) | | | | | | 1.409,10 | 1.472,70 | 1.582,30 | 1.762,20 | | | | | | |
| HB 80 T6 (A5:6) | | | | | | 1.390,00 | 1.453,60 | 1.563,20 | 1.743,10 | | | | | | |
| HB 90 T6 (A6:3) | | | | | | | | 2.391,20 | 2.571,10 | 2.885,00 | 3.040,40 | | | | |
| HB 90 T6 (A6:6) | | | | | | | | 2.565,80 | 2.745,70 | 3.059,60 | 3.215,00 | | | | |
| HB 100 T6 (A6:3) | | | | | | | | | | 3.189,00 | 3.344,40 | 3.564,10 | 3.867,70 | | |
| HB 100 T6 (A6:6) | | | | | | | | | | 3.363,30 | 3.518,70 | 3.738,40 | 4.042,00 | | |
| HB 112 T6 (A6:3) | | | | | | | | | | 4.234,10 | 4.389,50 | 4.609,20 | 4.912,80 | 5.365,70 | |
| HB 112 T6 (A6:6) | | | | | | | | | | 4.408,60 | 4.564,00 | 4.783,70 | 5.087,30 | 5.540,20 | |
| HB 125 T6 (A7:4) | | | | | | | | | | 4.833,60 | 4.989,00 | 5.208,70 | 5.512,30 | 5.965,20 | 6.652,10 |
| HB 125 T6 (A7:8) | | | | | | | | | | 5.162,40 | 5.317,80 | 5.537,50 | 5.841,10 | 6.294,00 | 6.980,90 |

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4/8 pole | 4/8 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| HB 35 T4/T8 (A0:6) | 633,40 | | | | | | | | | | | | | | | | | | |
| HB 40 T4/T8 (A0:6) | 671,30 | | | | | | | | | | | | | | | | | | |
| HB 45 T4/T8 (A0:6) | 725,60 | | | | | | | | | | | | | | | | | | |
| HB 45 T4/T8 (A5:6) | 813,60 | 821,10 | 876,30 | | | | | | | | | | | | | | | | |
| HB 50 T4/T8 (A0:6) | | 839,60 | | | | | | | | | | | | | | | | | |
| HB 50 T4/T8 (A5:6) | 920,00 | 927,50 | 982,70 | 1.030,00 | | | | | | | | | | | | | | | |
| HB 56 T4/T8 (A2:6) | | 975,70 | 1.030,90 | 1.078,20 | 1.128,80 | 1.196,30 | 1.365,00 | | | | | | | | | | | | |
| HB 56 T4/T8 (A2:9) | | 1.009,10 | 1.064,30 | 1.111,60 | 1.162,20 | 1.229,70 | 1.398,40 | 1.499,60 | | | | | | | | | | | |
| HB 56 T4/T8 (A5:6) | | 990,20 | 1.045,40 | 1.092,70 | 1.143,30 | 1.210,80 | 1.379,50 | | | | | | | | | | | | |
| HB 63 T4/T8 (A2:6) | | | 1.128,60 | 1.175,90 | 1.226,50 | 1.294,00 | 1.462,70 | 1.563,90 | | | | | | | | | | | |
| HB 63 T4/T8 (A2:9) | | | 1.162,10 | 1.209,40 | 1.260,00 | 1.327,50 | 1.496,20 | 1.597,40 | | | | | | | | | | | |
| HB 63 T4/T8 (A5:6) | | | 1.143,00 | 1.190,30 | 1.240,90 | 1.308,40 | 1.477,10 | 1.578,30 | | | | | | | | | | | |
| HB 71 T4/T8 (A2:6) | | | | 1.274,50 | 1.325,10 | 1.392,60 | 1.561,30 | 1.662,50 | 1.881,80 | | | | | | | | | | |
| HB 71 T4/T8 (A2:9) | | | | 1.307,80 | 1.358,40 | 1.425,90 | 1.594,60 | 1.695,80 | 1.915,10 | | | | | | | | | | |
| HB 71 T4/T8 (A5:6) | | | | 1.288,90 | 1.339,50 | 1.407,00 | 1.575,70 | 1.676,90 | 1.896,20 | | | | | | | | | | |
| HB 80 T4/T8 (A2:6) | | | | | 1.461,70 | 1.529,20 | 1.697,90 | 1.799,10 | 2.018,40 | 2.423,30 | 2.625,80 | | | | | | | | |
| HB 80 T4/T8 (A2:9) | | | | | 1.495,10 | 1.562,60 | 1.731,30 | 1.832,50 | 2.051,80 | 2.456,70 | 2.659,20 | | | | | | | | |
| HB 80 T4/T8 (A5:6) | | | | | 1.476,00 | 1.543,50 | 1.712,20 | 1.813,40 | 2.032,70 | | | | | | | | | | |
| HB 90 T4/T8 (A6:3) | | | | | | | | 2.641,40 | 2.860,70 | 3.265,60 | 3.468,10 | 3.863,10 | 4.204,50 | | | | | | |
| HB 90 T4/T8 (A6:6) | | | | | | | | 2.816,00 | 3.035,30 | 3.440,20 | 3.642,70 | 4.037,70 | 4.379,10 | | | | | | |
| HB 100 T4/T8 (A6:3) | | | | | | | | | | 3.569,60 | 3.772,10 | 4.167,10 | 4.508,50 | 5.450,30 | 5.534,00 | | | | |
| HB 100 T4/T8 (A6:6) | | | | | | | | | | 3.743,90 | 3.946,40 | 4.341,40 | 4.682,80 | 5.624,60 | 5.708,30 | | | | |
| HB 112 T4/T8 (A6:3) | | | | | | | | | | 4.614,70 | 4.817,20 | 5.212,20 | 5.553,60 | 6.495,40 | 6.579,10 | 7.897,90 | 8.223,90 | 10.062,40 | |
| HB 112 T4/T8 (A6:6) | | | | | | | | | | 4.789,20 | 4.991,70 | 5.386,70 | 5.728,10 | 6.669,90 | 6.753,60 | 8.072,40 | 8.398,40 | 10.236,90 | |
| HB 125 T4/T8 (A7:4) | | | | | | | | | | | 5.416,70 | 5.811,70 | 6.153,10 | 7.094,90 | 7.178,60 | 8.497,40 | 8.823,40 | 10.661,90 | 11.491,00 |
| HB 125 T4/T8 (A7:8) | | | | | | | | | | | | 6.140,50 | 6.481,90 | 7.423,70 | 7.507,40 | 8.826,20 | 9.152,20 | 10.990,70 | 11.819,80 |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HBA)
## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 |
| HBA 35 T2 (A0:6) | 730,10 | 727,50 | 751,60 | | |
| HBA 40 T2 (A0:6) | | 776,50 | 800,60 | | |
| HBA 45 T2 (A0:6) | | | | 956,10 | 1.010,10 |

## 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HBA 35 T4 (A0:6) | 609,60 | | | | | | | | | | | |
| HBA 40 T4 (A0:6) | | 692,10 | | | | | | | | | | |
| HBA 45 T4 (A0:6) | | 746,60 | | | | | | | | | | |
| HBA 45 T4 (A5:6) | | 928,40 | 935,20 | 957,30 | | | | | | | | |
| HBA 50 T4 (A0:6) | | | 860,00 | | | | | | | | | |
| HBA 50 T4 (A5:6) | | 1.034,90 | 1.041,70 | 1.063,80 | 1.069,90 | | | | | | | |
| HBA 56 T4 (A2:6) | | | 1.067,70 | 1.089,80 | 1.095,90 | 1.150,70 | 1.207,80 | 1.330,60 | | | | |
| HBA 56 T4 (A2:9) | | | 1.162,40 | 1.184,50 | 1.190,60 | 1.245,40 | 1.302,50 | 1.425,30 | | | | |
| HBA 56 T4 (A5:6) | | | 1.104,40 | 1.126,50 | 1.132,60 | 1.187,40 | 1.244,50 | 1.367,30 | | | | |
| HBA 63 T4 (A2:6) | | | | 1.187,50 | 1.193,60 | 1.248,40 | 1.305,50 | 1.428,30 | 1.538,50 | | | |
| HBA 63 T4 (A2:9) | | | | 1.282,10 | 1.288,20 | 1.343,00 | 1.400,10 | 1.522,90 | 1.633,10 | | | |
| HBA 63 T4 (A5:6) | | | | 1.224,10 | 1.230,20 | 1.285,00 | 1.342,10 | 1.464,90 | 1.575,10 | | | |
| HBA 71 T4 (A2:6) | | | | | 1.292,10 | 1.346,90 | 1.404,00 | 1.526,80 | 1.637,00 | 1.799,80 | | |
| HBA 71 T4 (A2:9) | | | | | 1.386,80 | 1.441,60 | 1.498,70 | 1.621,50 | 1.731,70 | 1.894,50 | | |
| HBA 71 T4 (A5:6) | | | | | 1.328,70 | 1.383,50 | 1.440,60 | 1.563,40 | 1.673,60 | 1.836,40 | | |
| HBA 80 T4 (A2:6) | | | | | | 1.483,60 | 1.540,70 | 1.663,50 | 1.773,70 | 1.936,50 | 2.183,90 | 2.395,80 |
| HBA 80 T4 (A2:9) | | | | | | 1.578,20 | 1.635,30 | 1.758,10 | 1.868,30 | 2.031,10 | 2.278,50 | 2.490,40 |
| HBA 80 T4 (A5:6) | | | | | | 1.520,10 | 1.577,20 | 1.700,00 | 1.810,20 | 1.973,00 | | |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HBA 90 T4 (A6:3) | 2.657,90 | 2.820,70 | 3.068,10 | 3.280,00 | 3.949,20 | 4.216,30 | | | | | |
| HBA 90 T4 (A6:6) | 2.971,80 | 3.134,60 | 3.382,00 | 3.593,90 | 4.263,10 | 4.530,20 | | | | | |
| HBA 100 T4 (A6:3) | | | 3.372,00 | 3.583,90 | 4.253,10 | 4.520,20 | 5.111,80 | 5.302,20 | | | |
| HBA 100 T4 (A6:6) | | | 3.685,90 | 3.897,80 | 4.567,00 | 4.834,10 | 5.425,70 | 5.616,10 | | | |
| HBA 112 T4 (A6:3) | | | 4.417,10 | 4.629,00 | 5.298,20 | 5.565,30 | 6.156,90 | 6.347,30 | 7.397,60 | 8.351,80 | |
| HBA 112 T4 (A6:6) | | | 4.731,00 | 4.942,90 | 5.612,10 | 5.879,20 | 6.470,80 | 6.661,20 | 7.711,50 | 8.665,70 | |
| HBA 125 T4 (A7:4) | | | | 5.288,20 | 5.957,40 | 6.224,50 | 6.816,10 | 7.006,50 | 8.056,80 | 9.011,00 | 9.607,00 |
| HBA 125 T4 (A7:8) | | | | | 6.375,90 | 6.643,00 | 7.234,60 | 7.425,00 | 8.475,30 | 9.429,50 | 10.025,50 |

## 6 pole | 6 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBA 35 T6 (A0:6) | 698,50 | | | | | | | | | | | | | | |
| HBA 40 T6 (A0:6) | | 754,30 | | | | | | | | | | | | | |
| HBA 45 T6 (A0:6) | 790,80 | | | | | | | | | | | | | | |
| HBA 45 T6 (A5:6) | | 990,60 | | | | | | | | | | | | | |
| HBA 50 T6 (A0:6) | | 915,40 | | | | | | | | | | | | | |
| HBA 50 T6 (A5:6) | | 1.097,10 | | | | | | | | | | | | | |
| HBA 56 T6 (A2:6) | | 1.123,10 | 1.130,40 | 1.148,30 | 1.133,50 | | | | | | | | | | |
| HBA 56 T6 (A2:9) | | 1.217,80 | 1.225,10 | 1.243,00 | 1.228,20 | | | | | | | | | | |
| HBA 56 T6 (A5:6) | | 1.159,80 | 1.167,10 | 1.185,00 | 1.170,20 | | | | | | | | | | |
| HBA 63 T6 (A2:6) | | | | 1.246,00 | 1.231,20 | 1.263,10 | | | | | | | | | |
| HBA 63 T6 (A2:9) | | | | 1.340,60 | 1.325,80 | 1.357,70 | | | | | | | | | |
| HBA 63 T6 (A5:6) | | | | 1.282,60 | 1.267,80 | 1.299,70 | | | | | | | | | |
| HBA 71 T6 (A2:6) | | | | 1.344,50 | 1.329,70 | 1.361,60 | 1.425,20 | | | | | | | | |
| HBA 71 T6 (A2:9) | | | | 1.439,20 | 1.424,40 | 1.456,30 | 1.519,90 | | | | | | | | |
| HBA 71 T6 (A5:6) | | | | 1.381,10 | 1.366,30 | 1.398,20 | 1.461,80 | | | | | | | | |
| HBA 80 T6 (A2:6) | | | | | | 1.498,30 | 1.561,90 | 1.671,50 | 1.851,40 | | | | | | |
| HBA 80 T6 (A2:9) | | | | | | 1.592,90 | 1.656,50 | 1.766,10 | 1.946,00 | | | | | | |
| HBA 80 T6 (A5:6) | | | | | | 1.534,80 | 1.598,40 | 1.708,00 | 1.887,90 | | | | | | |
| HBA 90 T6 (A6:3) | | | | | | | | 2.555,70 | 2.735,60 | 3.049,50 | 3.204,90 | | | | |
| HBA 90 T6 (A6:6) | | | | | | | | 2.869,60 | 3.049,50 | 3.363,40 | 3.518,80 | | | | |
| HBA 100 T6 (A6:3) | | | | | | | | | | 3.353,40 | 3.508,80 | 3.728,50 | 4.032,10 | | |
| HBA 100 T6 (A6:6) | | | | | | | | | | 3.667,30 | 3.822,70 | 4.042,40 | 4.346,00 | | |
| HBA 112 T6 (A6:3) | | | | | | | | | | 4.398,50 | 4.553,90 | 4.773,60 | 5.077,20 | 5.530,10 | |
| HBA 112 T6 (A6:6) | | | | | | | | | | 4.712,40 | 4.867,80 | 5.087,50 | 5.391,10 | 5.844,00 | |
| HBA 125 T6 (A7:4) | | | | | | | | | | 5.057,70 | 5.213,10 | 5.432,80 | 5.736,40 | 6.189,30 | 6.876,20 |
| HBA 125 T6 (A7:8) | | | | | | | | | | 5.476,20 | 5.631,60 | 5.851,30 | 6.154,90 | 6.607,80 | 7.294,70 |

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4/8 pole | 4/8 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| HBA 35 T4/T8 (A0:6) | 684,20 | | | | | | | | | | | | | | | | | | |
| HBA 40 T4/T8 (A0:6) | 722,00 | | | | | | | | | | | | | | | | | | |
| HBA 45 T4/T8 (A0:6) | 776,50 | | | | | | | | | | | | | | | | | | |
| HBA 45 T4/T8 (A5:6) | 958,30 | 965,80 | 1.021,00 | | | | | | | | | | | | | | | | |
| HBA 50 T4/T8 (A0:6) | | 890,60 | | | | | | | | | | | | | | | | | |
| HBA 50 T4/T8 (A5:6) | 1.064,80 | 1.072,30 | 1.127,50 | 1.174,80 | | | | | | | | | | | | | | | |
| HBA 56 T4/T8 (A2:6) | | 1.098,30 | 1.153,50 | 1.200,80 | 1.251,40 | 1.318,90 | 1.487,60 | | | | | | | | | | | | |
| HBA 56 T4/T8 (A2:9) | | 1.193,00 | 1.248,20 | 1.295,50 | 1.346,10 | 1.413,60 | 1.582,30 | 1.683,50 | | | | | | | | | | | |
| HBA 56 T4/T8 (A5:6) | | 1.135,00 | 1.190,20 | 1.237,50 | 1.288,10 | 1.355,60 | 1.524,30 | | | | | | | | | | | | |
| HBA 63 T4/T8 (A2:6) | | | 1.251,20 | 1.298,50 | 1.349,10 | 1.416,60 | 1.585,30 | 1.686,50 | | | | | | | | | | | |
| HBA 63 T4/T8 (A2:9) | | | 1.345,80 | 1.393,10 | 1.443,70 | 1.511,20 | 1.679,90 | 1.781,10 | | | | | | | | | | | |
| HBA 63 T4/T8 (A5:6) | | | 1.287,80 | 1.335,10 | 1.385,70 | 1.453,20 | 1.621,90 | 1.723,10 | | | | | | | | | | | |
| HBA 71 T4/T8 (A2:6) | | | | 1.397,00 | 1.447,60 | 1.515,10 | 1.683,80 | 1.785,00 | 2.004,30 | | | | | | | | | | |
| HBA 71 T4/T8 (A2:9) | | | | 1.491,70 | 1.542,30 | 1.609,80 | 1.778,50 | 1.879,70 | 2.099,00 | | | | | | | | | | |
| HBA 71 T4/T8 (A5:6) | | | | 1.433,60 | 1.484,20 | 1.551,70 | 1.720,40 | 1.821,60 | 2.040,90 | | | | | | | | | | |
| HBA 80 T4/T8 (A2:6) | | | | | 1.584,30 | 1.651,80 | 1.820,50 | 1.921,70 | 2.141,00 | 2.545,90 | 2.748,40 | | | | | | | | |
| HBA 80 T4/T8 (A2:9) | | | | | 1.678,90 | 1.746,40 | 1.915,10 | 2.016,30 | 2.235,60 | 2.640,50 | 2.843,00 | | | | | | | | |
| HBA 80 T4/T8 (A5:6) | | | | | 1.620,80 | 1.688,30 | 1.857,00 | 1.958,20 | 2.177,50 | | | | | | | | | | |
| HBA 90 T4/T8 (A6:3) | | | | | | | | 2.805,90 | 3.025,20 | 3.430,10 | 3.632,60 | 4.027,60 | 4.369,00 | | | | | | |
| HBA 90 T4/T8 (A6:6) | | | | | | | | 3.119,80 | 3.339,10 | 3.744,00 | 3.946,50 | 4.341,50 | 4.682,90 | | | | | | |
| HBA 100 T4/T8 (A6:3) | | | | | | | | | | 3.734,00 | 3.936,50 | 4.331,50 | 4.672,90 | 5.614,70 | 5.698,40 | | | | |
| HBA 100 T4/T8 (A6:6) | | | | | | | | | | 4.047,90 | 4.250,40 | 4.645,40 | 4.986,80 | 5.928,60 | 6.012,30 | | | | |
| HBA 112 T4/T8 (A6:3) | | | | | | | | | | 4.779,10 | 4.981,60 | 5.376,60 | 5.718,00 | 6.659,80 | 6.743,50 | 8.062,30 | 8.388,30 | 10.226,80 | |
| HBA 112 T4/T8 (A6:6) | | | | | | | | | | 5.093,00 | 5.295,50 | 5.690,50 | 6.031,90 | 6.973,70 | 7.057,40 | 8.376,20 | 8.702,20 | 10.540,70 | |
| HBA 125 T4/T8 (A7:4) | | | | | | | | | | | 5.640,80 | 6.035,80 | 6.377,20 | 7.319,00 | 7.402,70 | 8.721,50 | 9.047,50 | 10.886,00 | 11.715,10 |
| HBA 125 T4/T8 (A7:8) | | | | | | | | | | | | 6.454,30 | 6.795,70 | 7.737,50 | 7.821,20 | 9.140,00 | 9.466,00 | 11.304,50 | 12.133,60 |

# AIR CURTAINS
# CORTINAS DE AIRE



## COURSALIS

Only air | sólo aire



## COURSALIS & COURSALIS E

Only air | sólo aire & with heating | con calefacción

# HC & HCA



HC



HCA

ErP 60 +info Hz

## SHORT CASED AXIAL FAN WITH ALUMINIUM OR POLYAMIDE IMPELLER

### MANUFACTURING FEATURES

- Short cased axial fan with reinforced body, made of laminated steel.
- Modular motor-impeller assembly.
- Protected against corrosion by powder coating of polyester resin.
- Standard asynchronous squirrel-cage motor, IP-55 protection and rated class F insulation. Manufactured with standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- HC: impeller made of fibre glass reinforced polyamide. Variable pitch angle (stopped and in origin).
- HCA: impeller made of aluminium cast. Variable pitch angle (stopped and in origin).

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renovation in all types of buildings and industries.
- Smoke extraction (maximum 50-60ºC).
- Maximum continuous working temperature: 50ºC single phase, 60ºC three phase.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Casing made of hot dipped galvanized or stainless steel.
- Fan to move air up to 100ºC (HCA).

## HELICOIDAL TUBULAR DE CAMISA CORTA CON PALA DE ALUMINIO O POLIAMIDA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa corta fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- HC: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HCA: hélice en fundición de aluminio de ángulo variable en paro y en origen.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 50-60ºC).
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Envolvente en chapa galvanizada en caliente o acero inoxidable.
- Ventilador para mover aire hasta 100ºC (HCA).

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**PO** pg.473
Optional support.
Pie opcional.

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HC)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA
### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 |
| HC 35 M4 (A0:6) | **494,20** | | | | |
| HC 40 M4 (A0:6) | | **575,00** | | | |
| HC 45 M4 (A0:6) | | **628,40** | | | |
| HC 45 M4 (A5:6) | | **716,30** | **741,80** | **808,60** | |
| HC 50 M4 (A0:6) | | | **772,00** | | |
| HC 50 M4 (A5:6) | | **834,40** | **859,90** | **926,70** | **964,20** |
| HC 56 M4 (A2:6) | | | **907,40** | **974,20** | **1.011,70** |
| HC 56 M4 (A2:9) | | | **940,90** | **1.007,70** | **1.045,20** |
| HC 56 M4 (A5:6) | | | **921,90** | **988,70** | **1.026,20** |
| HC 63 M4 (A2:6) | | | | **1.071,30** | **1.108,80** |
| HC 63 M4 (A2:9) | | | | **1.104,70** | **1.142,20** |
| HC 63 M4 (A5:6) | | | | **1.085,70** | **1.123,20** |
| HC 71 M4 (A2:6) | | | | | **1.268,40** |
| HC 71 M4 (A2:9) | | | | | **1.301,60** |
| HC 71 M4 (A5:6) | | | | | **1.282,70** |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HCA)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA
### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 |
| HCA 35 M4 (A0:6) | 545,00 | | | | |
| HCA 40 M4 (A0:6) | | 626,00 | | | |
| HCA 45 M4 (A0:6) | | 679,30 | | | |
| HCA 45 M4 (A5:6) | | 861,10 | 886,60 | 953,40 | |
| HCA 50 M4 (A0:6) | | | 823,00 | | |
| HCA 50 M4 (A5:6) | | 979,20 | 1.004,70 | 1.071,50 | 1.109,00 |
| HCA 56 M4 (A2:6) | | | 1.029,90 | 1.096,70 | 1.134,20 |
| HCA 56 M4 (A2:9) | | | 1.124,80 | 1.191,60 | 1.229,10 |
| HCA 56 M4 (A5:6) | | | 1.066,60 | 1.133,40 | 1.170,90 |
| HCA 63 M4 (A2:6) | | | | 1.193,80 | 1.231,30 |
| HCA 63 M4 (A2:9) | | | | 1.288,50 | 1.326,00 |
| HCA 63 M4 (A5:6) | | | | 1.230,50 | 1.268,00 |
| HCA 71 M4 (A2:6) | | | | | 1.391,00 |
| HCA 71 M4 (A2:9) | | | | | 1.485,50 |
| HCA 71 M4 (A5:6) | | | | | 1.427,50 |

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HC)
## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HC 35 T4 (A0:6) | 581,60 | | | | | | | | | | | |
| HC 40 T4 (A0:6) | | 666,30 | | | | | | | | | | |
| HC 45 T4 (A0:6) | | 719,70 | | | | | | | | | | |
| HC 45 T4 (A5:6) | | 807,60 | 814,40 | 836,50 | | | | | | | | |
| HC 50 T4 (A0:6) | | | 844,60 | | | | | | | | | |
| HC 50 T4 (A5:6) | | 925,70 | 932,50 | 954,60 | 960,70 | | | | | | | |
| HC 56 T4 (A2:6) | | | 980,00 | 1.002,10 | 1.008,20 | 1.063,00 | 1.120,10 | 1.242,90 | | | | |
| HC 56 T4 (A2:9) | | | 1.013,50 | 1.035,60 | 1.041,70 | 1.096,50 | 1.153,60 | 1.276,40 | 1.386,60 | | | |
| HC 56 T4 (A5:6) | | | 994,50 | 1.016,60 | 1.022,70 | 1.077,50 | 1.134,60 | 1.257,40 | | | | |
| HC 63 T4 (A2:6) | | | | 1.099,20 | 1.105,30 | 1.160,10 | 1.217,20 | 1.340,00 | 1.450,20 | | | |
| HC 63 T4 (A2:9) | | | | 1.132,60 | 1.138,70 | 1.193,50 | 1.250,60 | 1.373,40 | 1.483,60 | | | |
| HC 63 T4 (A5:6) | | | | 1.113,60 | 1.119,70 | 1.174,50 | 1.231,60 | 1.354,40 | 1.464,60 | | | |
| HC 71 T4 (A2:6) | | | | | 1.264,90 | 1.319,70 | 1.376,80 | 1.499,60 | 1.609,80 | 1.772,60 | | |
| HC 71 T4 (A2:9) | | | | | 1.298,10 | 1.352,90 | 1.410,00 | 1.532,80 | 1.643,00 | 1.805,80 | | |
| HC 71 T4 (A5:6) | | | | | 1.279,20 | 1.334,00 | 1.391,10 | 1.513,90 | 1.624,10 | 1.786,90 | | |
| HC 80 T4 (A2:6) | | | | | | 1.447,70 | 1.504,80 | 1.627,60 | 1.737,80 | 1.900,60 | 2.148,00 | 2.359,90 |
| HC 80 T4 (A2:9) | | | | | | 1.481,10 | 1.538,20 | 1.661,00 | 1.771,20 | 1.934,00 | 2.181,40 | 2.393,30 |
| HC 80 T4 (A5:6) | | | | | | 1.462,00 | 1.519,10 | 1.641,90 | 1.752,10 | 1.914,90 | | |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HC 90 T4 (A6:3) | 2.573,60 | 2.736,40 | 2.983,80 | 3.195,70 | 3.864,90 | 4.132,00 | | | | | |
| HC 90 T4 (A6:6) | 2.747,90 | 2.910,70 | 3.158,10 | 3.370,00 | 4.039,20 | 4.306,30 | | | | | |
| HC 100 T4 (A6:3) | | | 3.315,20 | 3.527,10 | 4.196,30 | 4.463,40 | 5.055,00 | 5.245,40 | | | |
| HC 100 T4 (A6:6) | | | 3.489,60 | 3.701,50 | 4.370,70 | 4.637,80 | 5.229,40 | 5.419,80 | | | |
| HC 112 T4 (A6:3) | | | 4.592,20 | 4.804,10 | 5.473,30 | 5.740,40 | 6.332,00 | 6.522,40 | 7.572,70 | 8.526,90 | |
| HC 112 T4 (A6:6) | | | 4.766,50 | 4.978,40 | 5.647,60 | 5.914,70 | 6.506,30 | 6.696,70 | 7.747,00 | 8.701,20 | |
| HC 125 T4 (A7:4) | | | | 5.442,70 | 6.111,90 | 6.379,00 | 6.970,60 | 7.161,00 | 8.211,30 | 9.165,50 | 9.761,50 |
| HC 125 T4 (A7:8) | | | | | 6.440,70 | 6.707,80 | 7.299,40 | 7.489,80 | 8.540,10 | 9.494,30 | 10.090,30 |

## 6 pole | 6 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HC 35 T6 (A0:6) | 670,50 | | | | | | | | | | | | | | |
| HC 40 T6 (A0:6) | | 728,50 | | | | | | | | | | | | | |
| HC 45 T6 (A0:6) | 763,90 | | | | | | | | | | | | | | |
| HC 45 T6 (A5:6) | | 869,80 | | | | | | | | | | | | | |
| HC 50 T6 (A0:6) | | 900,00 | | | | | | | | | | | | | |
| HC 50 T6 (A5:6) | | 987,90 | | | | | | | | | | | | | |
| HC 56 T6 (A2:6) | | 1.035,40 | 1.042,70 | 1.060,60 | 1.045,80 | | | | | | | | | | |
| HC 56 T6 (A2:9) | | 1.068,90 | 1.076,20 | 1.094,10 | 1.079,30 | | | | | | | | | | |
| HC 56 T6 (A5:6) | | 1.049,90 | 1.057,20 | 1.075,10 | 1.060,30 | | | | | | | | | | |
| HC 63 T6 (A2:6) | | | | 1.157,70 | 1.142,90 | 1.174,80 | | | | | | | | | |
| HC 63 T6 (A2:9) | | | | 1.191,10 | 1.176,30 | 1.208,20 | | | | | | | | | |
| HC 63 T6 (A5:6) | | | | 1.172,10 | 1.157,30 | 1.189,20 | | | | | | | | | |
| HC 71 T6 (A2:6) | | | | 1.317,30 | 1.302,50 | 1.334,40 | 1.398,00 | | | | | | | | |
| HC 71 T6 (A2:9) | | | | 1.350,50 | 1.335,70 | 1.367,60 | 1.431,20 | | | | | | | | |
| HC 71 T6 (A5:6) | | | | 1.331,60 | 1.316,80 | 1.348,70 | 1.412,30 | | | | | | | | |
| HC 80 T6 (A2:6) | | | | | | 1.462,40 | 1.526,00 | 1.635,60 | 1.815,50 | | | | | | |
| HC 80 T6 (A2:9) | | | | | | 1.495,80 | 1.559,40 | 1.669,00 | 1.848,90 | | | | | | |
| HC 80 T6 (A5:6) | | | | | | 1.476,70 | 1.540,30 | 1.649,90 | 1.829,80 | | | | | | |
| HC 90 T6 (A6:3) | | | | | | | | 2.471,40 | 2.651,30 | 2.965,20 | 3.120,60 | | | | |
| HC 90 T6 (A6:6) | | | | | | | | 2.645,70 | 2.825,60 | 3.139,50 | 3.294,90 | | | | |
| HC 100 T6 (A6:3) | | | | | | | | | | 3.296,60 | 3.452,00 | 3.671,70 | 3.975,30 | | |
| HC 100 T6 (A6:6) | | | | | | | | | | 3.471,00 | 3.626,40 | 3.846,10 | 4.149,70 | | |
| HC 112 T6 (A6:3) | | | | | | | | | | 4.573,60 | 4.729,00 | 4.948,70 | 5.252,30 | 5.705,20 | |
| HC 112 T6 (A6:6) | | | | | | | | | | 4.747,90 | 4.903,30 | 5.123,00 | 5.426,60 | 5.879,50 | |
| HC 125 T6 (A7:4) | | | | | | | | | | 5.212,20 | 5.367,60 | 5.587,30 | 5.890,90 | 6.343,80 | 7.030,70 |
| HC 125 T6 (A7:8) | | | | | | | | | | 5.541,00 | 5.696,40 | 5.916,10 | 6.219,70 | 6.672,60 | 7.359,50 |

## 4/8 pole | 4/8 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| HC 35 T4/T8 (A0:6) | 656,20 | | | | | | | | | | | | | | | | | | |
| HC 40 T4/T8 (A0:6) | 696,20 | | | | | | | | | | | | | | | | | | |
| HC 45 T4/T8 (A0:6) | 749,60 | | | | | | | | | | | | | | | | | | |
| HC 45 T4/T8 (A5:6) | 837,50 | 845,00 | 900,20 | | | | | | | | | | | | | | | | |
| HC 50 T4/T8 (A0:6) | | 875,20 | | | | | | | | | | | | | | | | | |
| HC 50 T4/T8 (A5:6) | 955,60 | 963,10 | 1.018,30 | 1.065,60 | | | | | | | | | | | | | | | |
| HC 56 T4/T8 (A2:6) | | 1.010,60 | 1.065,80 | 1.113,10 | 1.163,70 | 1.231,20 | 1.399,90 | | | | | | | | | | | | |
| HC 56 T4/T8 (A2:9) | | 1.044,10 | 1.099,30 | 1.146,60 | 1.197,20 | 1.264,70 | 1.433,40 | 1.534,60 | | | | | | | | | | | |
| HC 56 T4/T8 (A5:6) | | 1.025,10 | 1.080,30 | 1.127,60 | 1.178,20 | 1.245,70 | 1.414,40 | | | | | | | | | | | | |
| HC 63 T4/T8 (A2:6) | | | 1.162,90 | 1.210,20 | 1.260,80 | 1.328,30 | 1.497,00 | 1.598,20 | | | | | | | | | | | |
| HC 63 T4/T8 (A2:9) | | | 1.196,30 | 1.243,60 | 1.294,20 | 1.361,70 | 1.530,40 | 1.631,60 | | | | | | | | | | | |
| HC 63 T4/T8 (A5:6) | | | 1.177,30 | 1.224,60 | 1.275,20 | 1.342,70 | 1.511,40 | 1.612,60 | | | | | | | | | | | |
| HC 71 T4/T8 (A2:6) | | | | 1.369,80 | 1.420,40 | 1.487,90 | 1.656,60 | 1.757,80 | 1.977,10 | | | | | | | | | | |
| HC 71 T4/T8 (A2:9) | | | | 1.403,00 | 1.453,60 | 1.521,10 | 1.689,80 | 1.791,00 | 2.010,30 | | | | | | | | | | |
| HC 71 T4/T8 (A5:6) | | | | 1.384,10 | 1.434,70 | 1.502,20 | 1.670,90 | 1.772,10 | 1.991,40 | | | | | | | | | | |
| HC 80 T4/T8 (A2:6) | | | | | 1.548,40 | 1.615,90 | 1.784,60 | 1.885,80 | 2.105,10 | 2.510,00 | 2.712,50 | | | | | | | | |
| HC 80 T4/T8 (A2:9) | | | | | 1.581,80 | 1.649,30 | 1.818,00 | 1.919,20 | 2.138,50 | 2.543,40 | 2.745,90 | | | | | | | | |
| HC 80 T4/T8 (A5:6) | | | | | 1.562,70 | 1.630,20 | 1.798,90 | 1.900,10 | 2.119,40 | | | | | | | | | | |
| HC 90 T4/T8 (A6:3) | | | | | | | | 2.721,60 | 2.940,90 | 3.345,80 | 3.548,30 | 3.943,30 | 4.284,70 | | | | | | |
| HC 90 T4/T8 (A6:6) | | | | | | | | 2.895,90 | 3.115,20 | 3.520,10 | 3.722,60 | 4.117,60 | 4.459,00 | | | | | | |
| HC 100 T4/T8 (A6:3) | | | | | | | | | | 3.677,20 | 3.879,70 | 4.274,70 | 4.616,10 | 5.557,90 | 5.641,60 | | | | |
| HC 100 T4/T8 (A6:6) | | | | | | | | | | 3.851,60 | 4.054,10 | 4.449,10 | 4.790,50 | 5.732,30 | 5.816,00 | | | | |
| HC 112 T4/T8 (A6:3) | | | | | | | | | | 4.954,20 | 5.156,70 | 5.551,70 | 5.893,10 | 6.834,90 | 6.918,60 | 8.237,40 | 8.563,40 | 10.401,90 | |
| HC 112 T4/T8 (A6:6) | | | | | | | | | | 5.128,50 | 5.331,00 | 5.726,00 | 6.067,40 | 7.009,20 | 7.092,90 | 8.411,70 | 8.737,70 | 10.576,20 | |
| HC 125 T4/T8 (A7:4) | | | | | | | | | | | 5.795,30 | 6.190,30 | 6.531,70 | 7.473,50 | 7.557,20 | 8.876,00 | 9.202,00 | 11.040,50 | 11.869,60 |
| HC 125 T4/T8 (A7:8) | | | | | | | | | | | | 6.519,10 | 6.860,50 | 7.802,30 | 7.886,00 | 9.204,80 | 9.530,80 | 11.369,30 | 12.198,40 |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HCA)
## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | |
|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 |
| HCA 40 T2 (A0:6) | 809,40 | 833,50 | | |
| HCA 45 T2 (A0:6) | | | 987,30 | 1.041,30 |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HCA 35 T4 (A0:6) | 632,40 | | | | | | | | | | | |
| HCA 40 T4 (A0:6) | | 717,30 | | | | | | | | | | |
| HCA 45 T4 (A0:6) | | 770,60 | | | | | | | | | | |
| HCA 45 T4 (A5:6) | | 952,40 | 959,20 | 981,30 | | | | | | | | |
| HCA 50 T4 (A0:6) | | | 895,60 | | | | | | | | | |
| HCA 50 T4 (A5:6) | | 1.070,50 | 1.077,30 | 1.099,40 | 1.105,50 | | | | | | | |
| HCA 56 T4 (A2:6) | | | 1.102,50 | 1.124,60 | 1.130,70 | 1.185,50 | 1.242,60 | 1.365,40 | | | | |
| HCA 56 T4 (A2:9) | | | 1.197,40 | 1.219,50 | 1.225,60 | 1.280,40 | 1.337,50 | 1.460,30 | 1.570,50 | | | |
| HCA 56 T4 (A5:6) | | | 1.139,20 | 1.161,30 | 1.167,40 | 1.222,20 | 1.279,30 | 1.402,10 | | | | |
| HCA 63 T4 (A2:6) | | | | 1.221,70 | 1.227,80 | 1.282,60 | 1.339,70 | 1.462,50 | 1.572,70 | | | |
| HCA 63 T4 (A2:9) | | | | 1.316,40 | 1.322,50 | 1.377,30 | 1.434,40 | 1.557,20 | 1.667,40 | | | |
| HCA 63 T4 (A5:6) | | | | 1.258,40 | 1.264,50 | 1.319,30 | 1.376,40 | 1.499,20 | 1.609,40 | | | |
| HCA 71 T4 (A2:6) | | | | | 1.387,50 | 1.442,30 | 1.499,40 | 1.622,20 | 1.732,40 | 1.895,20 | | |
| HCA 71 T4 (A2:9) | | | | | 1.482,00 | 1.536,80 | 1.593,90 | 1.716,70 | 1.826,90 | 1.989,70 | | |
| HCA 71 T4 (A5:6) | | | | | 1.424,00 | 1.478,80 | 1.535,90 | 1.658,70 | 1.768,90 | 1.931,70 | | |
| HCA 80 T4 (A2:6) | | | | | | 1.570,30 | 1.627,40 | 1.750,20 | 1.860,40 | 2.023,20 | 2.270,60 | 2.482,50 |
| HCA 80 T4 (A2:9) | | | | | | 1.665,00 | 1.722,10 | 1.844,90 | 1.955,10 | 2.117,90 | 2.365,30 | 2.577,20 |
| HCA 80 T4 (A5:6) | | | | | | 1.606,90 | 1.664,00 | 1.786,80 | 1.897,00 | 2.059,80 | | |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HCA 90 T4 (A6:3) | 2.738,00 | 2.900,80 | 3.148,20 | 3.360,10 | 4.029,30 | 4.296,40 | | | | | |
| HCA 90 T4 (A6:6) | 3.051,80 | 3.214,60 | 3.462,00 | 3.673,90 | 4.343,10 | 4.610,20 | | | | | |
| HCA 100 T4 (A6:3) | | | 3.479,50 | 3.691,40 | 4.360,60 | 4.627,70 | 5.219,30 | 5.409,70 | | | |
| HCA 100 T4 (A6:6) | | | 3.793,50 | 4.005,40 | 4.674,60 | 4.941,70 | 5.533,30 | 5.723,70 | | | |
| HCA 112 T4 (A6:3) | | | 4.756,50 | 4.968,40 | 5.637,60 | 5.904,70 | 6.496,30 | 6.686,70 | 7.737,00 | 8.691,20 | |
| HCA 112 T4 (A6:6) | | | 5.070,40 | 5.282,30 | 5.951,50 | 6.218,60 | 6.810,20 | 7.000,60 | 8.050,90 | 9.005,10 | |
| HCA 125 T4 (A7:4) | | | | 5.666,80 | 6.336,00 | 6.603,10 | 7.194,70 | 7.385,10 | 8.435,40 | 9.389,60 | 9.985,60 |
| HCA 125 T4 (A7:8) | | | | | 6.754,50 | 7.021,60 | 7.613,20 | 7.803,60 | 8.853,90 | 9.808,10 | 10.404,10 |

## 6 pole | 6 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCA 35 T6 (A0:6) | 721,30 | | | | | | | | | | | | | | |
| HCA 40 T6 (A0:6) | | 779,50 | | | | | | | | | | | | | |
| HCA 45 T6 (A0:6) | 814,80 | | | | | | | | | | | | | | |
| HCA 45 T6 (A5:6) | | 1.014,60 | | | | | | | | | | | | | |
| HCA 50 T6 (A0:6) | | 951,00 | | | | | | | | | | | | | |
| HCA 50 T6 (A5:6) | | 1.132,70 | | | | | | | | | | | | | |
| HCA 56 T6 (A2:6) | | 1.157,90 | 1.165,20 | 1.183,10 | 1.168,30 | | | | | | | | | | |
| HCA 56 T6 (A2:9) | | 1.252,80 | 1.260,10 | 1.278,00 | 1.263,20 | | | | | | | | | | |
| HCA 56 T6 (A5:6) | | 1.194,60 | 1.201,90 | 1.219,80 | 1.205,00 | | | | | | | | | | |
| HCA 63 T6 (A2:6) | | | | 1.280,20 | 1.265,40 | 1.297,30 | | | | | | | | | |
| HCA 63 T6 (A2:9) | | | | 1.374,90 | 1.360,10 | 1.392,00 | | | | | | | | | |
| HCA 63 T6 (A5:6) | | | | 1.316,90 | 1.302,10 | 1.334,00 | | | | | | | | | |
| HCA 71 T6 (A2:6) | | | | 1.439,90 | 1.425,10 | 1.457,00 | 1.520,60 | | | | | | | | |
| HCA 71 T6 (A2:9) | | | | 1.534,40 | 1.519,60 | 1.551,50 | 1.615,10 | | | | | | | | |
| HCA 71 T6 (A5:6) | | | | 1.476,40 | 1.461,60 | 1.493,50 | 1.557,10 | | | | | | | | |
| HCA 80 T6 (A2:6) | | | | | | 1.585,00 | 1.648,60 | 1.758,20 | 1.938,10 | | | | | | |
| HCA 80 T6 (A2:9) | | | | | | 1.679,70 | 1.743,30 | 1.852,90 | 2.032,80 | | | | | | |
| HCA 80 T6 (A5:6) | | | | | | 1.621,60 | 1.685,20 | 1.794,80 | 1.974,70 | | | | | | |
| HCA 90 T6 (A6:3) | | | | | | | | 2.635,80 | 2.815,70 | 3.129,60 | 3.285,00 | | | | |
| HCA 90 T6 (A6:6) | | | | | | | | 2.949,60 | 3.129,50 | 3.443,40 | 3.598,80 | | | | |
| HCA 100 T6 (A6:3) | | | | | | | | | | 3.460,90 | 3.616,30 | 3.836,00 | 4.139,60 | | |
| HCA 100 T6 (A6:6) | | | | | | | | | | 3.774,90 | 3.930,30 | 4.150,00 | 4.453,60 | | |
| HCA 112 T6 (A6:3) | | | | | | | | | | 4.737,90 | 4.893,30 | 5.113,00 | 5.416,60 | 5.869,50 | |
| HCA 112 T6 (A6:6) | | | | | | | | | | 5.051,80 | 5.207,20 | 5.426,90 | 5.730,50 | 6.183,40 | |
| HCA 125 T6 (A7:4) | | | | | | | | | | 5.436,30 | 5.591,70 | 5.811,40 | 6.115,00 | 6.567,90 | 7.254,80 |
| HCA 125 T6 (A7:8) | | | | | | | | | | 5.854,80 | 6.010,20 | 6.229,90 | 6.533,50 | 6.986,40 | 7.673,30 |

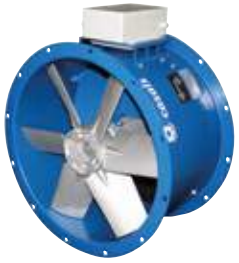
## 4/8 pole | 4/8 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| HCA 35 T4/T8 (A0:6) | 707,00 | | | | | | | | | | | | | | | | | | |
| HCA 40 T4/T8 (A0:6) | 747,20 | | | | | | | | | | | | | | | | | | |
| HCA 45 T4/T8 (A0:6) | 800,50 | | | | | | | | | | | | | | | | | | |
| HCA 45 T4/T8 (A5:6) | 982,30 | 989,80 | 1.045,00 | | | | | | | | | | | | | | | | |
| HCA 50 T4/T8 (A0:6) | | 926,20 | | | | | | | | | | | | | | | | | |
| HCA 50 T4/T8 (A5:6) | 1.100,40 | 1.107,90 | 1.163,10 | 1.210,40 | | | | | | | | | | | | | | | |
| HCA 56 T4/T8 (A2:6) | | 1.133,10 | 1.188,30 | 1.235,60 | 1.286,20 | 1.353,70 | 1.522,40 | | | | | | | | | | | | |
| HCA 56 T4/T8 (A2:9) | | 1.228,00 | 1.283,20 | 1.330,50 | 1.381,10 | 1.448,60 | 1.617,30 | 1.718,50 | | | | | | | | | | | |
| HCA 56 T4/T8 (A5:6) | | 1.169,80 | 1.225,00 | 1.272,30 | 1.322,90 | 1.390,40 | 1.559,10 | | | | | | | | | | | | |
| HCA 63 T4/T8 (A2:6) | | | 1.285,40 | 1.332,70 | 1.383,30 | 1.450,80 | 1.619,50 | 1.720,70 | | | | | | | | | | | |
| HCA 63 T4/T8 (A2:9) | | | 1.380,10 | 1.427,40 | 1.478,00 | 1.545,50 | 1.714,20 | 1.815,40 | | | | | | | | | | | |
| HCA 63 T4/T8 (A5:6) | | | 1.322,10 | 1.369,40 | 1.420,00 | 1.487,50 | 1.656,20 | 1.757,40 | | | | | | | | | | | |
| HCA 71 T4/T8 (A2:6) | | | | 1.492,40 | 1.543,00 | 1.610,50 | 1.779,20 | 1.880,40 | 2.099,70 | | | | | | | | | | |
| HCA 71 T4/T8 (A2:9) | | | | 1.586,90 | 1.637,50 | 1.705,00 | 1.873,70 | 1.974,90 | 2.194,20 | | | | | | | | | | |
| HCA 71 T4/T8 (A5:6) | | | | 1.528,90 | 1.579,50 | 1.647,00 | 1.815,70 | 1.916,90 | 2.136,20 | | | | | | | | | | |
| HCA 80 T4/T8 (A2:6) | | | | | 1.671,00 | 1.738,50 | 1.907,20 | 2.008,40 | 2.227,70 | 2.632,60 | 2.835,10 | | | | | | | | |
| HCA 80 T4/T8 (A2:9) | | | | | 1.765,70 | 1.833,20 | 2.001,90 | 2.103,10 | 2.322,40 | 2.727,30 | 2.929,80 | | | | | | | | |
| HCA 80 T4/T8 (A5:6) | | | | | 1.707,60 | 1.775,10 | 1.943,80 | 2.045,00 | 2.264,30 | | | | | | | | | | |
| HCA 90 T4/T8 (A6:3) | | | | | | | | 2.886,00 | 3.105,30 | 3.510,20 | 3.712,70 | 4.107,70 | 4.449,10 | | | | | | |
| HCA 90 T4/T8 (A6:6) | | | | | | | | 3.199,80 | 3.419,10 | 3.824,00 | 4.026,50 | 4.421,50 | 4.762,90 | | | | | | |
| HCA 100 T4/T8 (A6:3) | | | | | | | | | | 3.841,50 | 4.044,00 | 4.439,00 | 4.780,40 | 5.722,20 | 5.805,90 | | | | |
| HCA 100 T4/T8 (A6:6) | | | | | | | | | | 4.155,50 | 4.358,00 | 4.753,00 | 5.094,40 | 6.036,20 | 6.119,90 | | | | |
| HCA 112 T4/T8 (A6:3) | | | | | | | | | | 5.118,50 | 5.321,00 | 5.716,00 | 6.057,40 | 6.999,20 | 7.082,90 | 8.401,70 | 8.727,70 | 10.566,20 | |
| HCA 112 T4/T8 (A6:6) | | | | | | | | | | 5.432,40 | 5.634,90 | 6.029,90 | 6.371,30 | 7.313,10 | 7.396,80 | 8.715,60 | 9.041,60 | 10.880,10 | |
| HCA 125 T4/T8 (A7:4) | | | | | | | | | | | 6.019,40 | 6.414,40 | 6.755,80 | 7.697,60 | 7.781,30 | 9.100,10 | 9.426,10 | 11.264,60 | 12.093,70 |
| HCA 125 T4/T8 (A7:8) | | | | | | | | | | | | 6.832,90 | 7.174,30 | 8.116,10 | 8.199,80 | 9.518,60 | 9.844,60 | 11.683,10 | 12.512,20 |

# HC & HCA EVO EEC



HC EVO EEC



HCA EVO EEC

ErP | 50 & 60 Hz | EEC PM motors

## SHORT CASED VARIABLE PITCH BLADES WITH EEC MOTOR

### MANUFACTURING FEATURES

- Short cased axial fan with reinforced body, with double flange, made of rolling steel sheet.
- Pad mounted motor support system with guide vanes.
- Protected against corrosion by powder coating of polyester resin.
- Low sound level and high performance.
- Electronic high performance permanent magnet motor EEC Probat by Casals.
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.
- 100% controllable thanks to the control. Controlled by high efficiency drive.
- HC EVO EEC: Polyamide impeller with variable pitch angle (Stopped and in origin) reinforced with fibreglass.
- HCA EVO EEC: Cast aluminium impeller with variable pitch angle (Stopped and in origin).

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum continuous working temperature 50ºC.

### UNDER REQUEST

- Casing in hot galvanized sheet or stainless steel.

## TUBULAR DE CAMISA CORTA DE PALA VARIABLE CON MOTOR EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa corta, de doble brida, fabricada en chapa de acero laminado.
- Sistema soporte motor pad mounted de álabes directrices.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Bajo nivel sonoro y altas prestaciones.
- Motor electrónico de imanes permanentes de alto rendimiento EEC Probat by Casals.
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos.
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.
- Regulabilidad al 100% gracias al control. Controlado mediante drive de alta eficiencia.
- HC EVO EEC: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HCA EVO EEC: hélice en fundición de aluminio de ángulo variable en paro y en origen.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Temperatura máxima de trabajo en continuo 50ºC.

### BAJO DEMANDA

- Envolvente en chapa galvanizada en caliente o acero inoxidable.

## ACCESSORIES | ACCESORIOS



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**PO pg.473**
Optional support.
Pie opcional.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HC EVO EEC)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

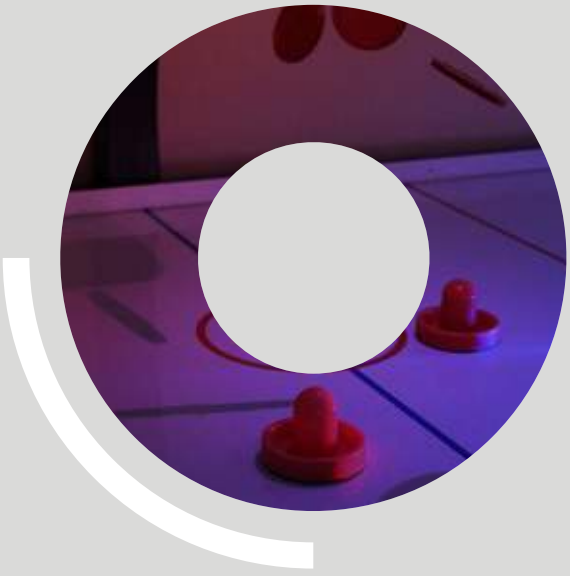
| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P € Pol. |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P € Pol |
| 277359040PEC | HC EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 12 | **991,80** |
| 277409040PECV2 | HC EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 16 | **1.196,70** |
| 277459040PECV2 | HC EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 18 | **1.252,60** |
| 277509040PECV2 | HC EVO 50 EEC | 1500 | 6 | 0,75 | 9.000 | 73 | 40 | 24 | **1.509,60** |
| 277569540PEC | HC EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 36 | **1.657,00** |
| 277639535PEC | HC EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 48 | **1.755,30** |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HCA EVO EEC)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P € Al. |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P € Al. |
| 277359040AEC | HCA EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 12 | **1.039,60** |
| 277409040AECV2 | HCA EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 16 | **1.246,00** |
| 277459040AECV2 | HCA EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 18 | **1.299,10** |
| 277509040AECV2 | HCA EVO 50 EEC | 1500 | 6 | 0,75 | 9.000 | 73 | 40 | 24 | **1.557,40** |
| 277569540AEC | HCA EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 36 | **1.942,60** |
| 277639535AEC | HCA EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 48 | **2.042,20** |

> MDE







> Air supply / Aportación de aire

www.casals.com

# HM & HMA



HM



HMA

ErP 60 +info Hz

## LONG CASED VARIABLE PITCH BLADES

### MANUFACTURING FEATURES

- Reinforced fan casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- HM: polyamide impeller with variable pitch angle (stopped and in origin) reinforced with fibreglass.
- HMA: cast aluminium impeller with variable pitch angle (stopped and in origin).

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 50-60ºC).
- Maximum working temperature: single phase 50ºC, three phase 60ºC.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Special voltages. 10% additional cost only in three phase models.
- Hot-dipped galvanized or stainless steel housing.
- Fan to move air up to 100ºC (HMA).

## TUBULAR DE CAMISA LARGA DE PALA VARIABLE

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado fabricado en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- HM: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HMA: hélice en fundición de aluminio de ángulo variable en paro y en origen.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC, trifásicos 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Envolvente en chapa galvanizada en caliente o acero inoxidable.
- Ventilador para mover aire hasta 100ºC (HMA).

## ACCESSORIES | ACCESORIOS



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**PO** pg.473
Optional support.
Pie opcional.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HM)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA
### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | |
|---|---|---|---|
| | 0,55 | 0,75 | 1,1 |
| HM 35 M2 (A0:6) | **663,20** | **753,00** | **798,50** |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 |
| HM 35 M4 (A0:6) | 517,00 | | | | |
| HM 40 M4 (A0:6) | | 611,60 | | | |
| HM 45 M4 (A0:6) | | 682,00 | | | |
| HM 45 M4 (A5:6) | | 769,90 | 795,40 | 862,20 | |
| HM 50 M4 (A0:6) | | | 851,80 | | |
| HM 50 M4 (A5:6) | | 914,20 | 939,70 | 1.006,50 | 1.044,00 |
| HM 56 M4 (A2:6) | | | 1.051,80 | 1.118,60 | 1.156,10 |
| HM 56 M4 (A2:9) | | | 1.085,20 | 1.152,00 | 1.189,50 |
| HM 56 M4 (A5:6) | | | 1.066,20 | 1.133,00 | 1.170,50 |
| HM 63 M4 (A2:6) | | | | 1.229,50 | 1.267,00 |
| HM 63 M4 (A2:9) | | | | 1.262,90 | 1.300,40 |
| HM 63 M4 (A5:6) | | | | 1.243,70 | 1.281,20 |
| HM 71 M4 (A2:6) | | | | | 1.417,20 |
| HM 71 M4 (A2:9) | | | | | 1.450,50 |
| HM 71 M4 (A5:6) | | | | | 1.431,50 |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HMA)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | |
|---|---|---|---|
| | 0,55 | 0,75 | 1,1 |
| HMA 35 M2 (A0:6) | 724,70 | 814,50 | 860,00 |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | |
|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 |
| HMA 35 M4 (A0:6) | 568,00 | | | | |
| HMA 40 M4 (A0:6) | | 662,50 | | | |
| HMA 45 M4 (A0:6) | | 732,90 | | | |
| HMA 45 M4 (A5:6) | | 914,80 | 940,30 | 1.007,10 | |
| HMA 50 M4 (A0:6) | | | 902,60 | | |
| HMA 50 M4 (A5:6) | | 1.059,00 | 1.084,50 | 1.151,30 | 1.188,80 |
| HMA 56 M4 (A2:6) | | | 1.174,30 | 1.241,10 | 1.278,60 |
| HMA 56 M4 (A2:9) | | | 1.268,90 | 1.335,70 | 1.373,20 |
| HMA 56 M4 (A5:6) | | | 1.210,90 | 1.277,70 | 1.315,20 |
| HMA 63 M4 (A2:6) | | | | 1.352,00 | 1.389,50 |
| HMA 63 M4 (A2:9) | | | | 1.446,70 | 1.484,20 |
| HMA 63 M4 (A5:6) | | | | 1.388,70 | 1.426,20 |
| HMA 71 M4 (A2:6) | | | | | 1.539,80 |
| HMA 71 M4 (A2:9) | | | | | 1.634,50 |
| HMA 71 M4 (A5:6) | | | | | 1.576,40 |

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HM)
## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | |
|---|---|---|---|
| | 0,55 | 0,75 | 1,1 |
| HM 35 T2 (A0:6) | 727,80 | 725,20 | 749,30 |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HM 35 T4 (A0:6) | 604,40 | | | | | | | | | | | |
| HM 40 T4 (A0:6) | | 702,90 | | | | | | | | | | |
| HM 45 T4 (A0:6) | | 773,30 | | | | | | | | | | |
| HM 45 T4 (A5:6) | | 861,20 | 868,00 | 890,10 | | | | | | | | |
| HM 50 T4 (A0:6) | | | 924,40 | | | | | | | | | |
| HM 50 T4 (A5:6) | | 1.005,50 | 1.012,30 | 1.034,40 | 1.040,50 | | | | | | | |
| HM 56 T4 (A2:6) | | | 1.124,40 | 1.146,50 | 1.152,60 | 1.207,40 | 1.264,50 | 1.387,30 | | | | |
| HM 56 T4 (A2:9) | | | 1.157,80 | 1.179,90 | 1.186,00 | 1.240,80 | 1.297,90 | 1.420,70 | 1.530,90 | | | |
| HM 56 T4 (A5:6) | | | 1.138,80 | 1.160,90 | 1.167,00 | 1.221,80 | 1.278,90 | 1.401,70 | | | | |
| HM 63 T4 (A2:6) | | | | 1.257,40 | 1.263,50 | 1.318,30 | 1.375,40 | 1.498,20 | 1.608,40 | | | |
| HM 63 T4 (A2:9) | | | | 1.290,80 | 1.296,90 | 1.351,70 | 1.408,80 | 1.531,60 | 1.641,80 | | | |
| HM 63 T4 (A5:6) | | | | 1.271,60 | 1.277,70 | 1.332,50 | 1.389,60 | 1.512,40 | 1.622,60 | | | |
| HM 71 T4 (A2:6) | | | | | 1.413,70 | 1.468,50 | 1.525,60 | 1.648,40 | 1.758,60 | 1.921,40 | | |
| HM 71 T4 (A2:9) | | | | | 1.447,00 | 1.501,80 | 1.558,90 | 1.681,70 | 1.791,90 | 1.954,70 | | |
| HM 71 T4 (A5:6) | | | | | 1.428,00 | 1.482,80 | 1.539,90 | 1.662,70 | 1.772,90 | 1.935,70 | | |
| HM 80 T4 (A2:6) | | | | | | 1.614,40 | 1.671,50 | 1.794,30 | 1.904,50 | 2.067,30 | 2.314,70 | 2.526,60 |
| HM 80 T4 (A2:9) | | | | | | 1.647,80 | 1.704,90 | 1.827,70 | 1.937,90 | 2.100,70 | 2.348,10 | 2.560,00 |
| HM 80 T4 (A5:6) | | | | | | 1.628,80 | 1.685,90 | 1.808,70 | 1.918,90 | 2.081,70 | | |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HM 90 T4 (A6:3) | 2.945,20 | 3.108,00 | 3.355,40 | 3.567,30 | 4.236,50 | 4.503,60 | | | | | |
| HM 90 T4 (A6:6) | 3.119,50 | 3.282,30 | 3.529,70 | 3.741,60 | 4.410,80 | 4.677,90 | | | | | |
| HM 100 T4 (A6:3) | | | 3.471,90 | 3.683,80 | 4.353,00 | 4.620,10 | 5.211,70 | 5.402,10 | | | |
| HM 100 T4 (A6:6) | | | 3.646,20 | 3.858,10 | 4.527,30 | 4.794,40 | 5.386,00 | 5.576,40 | | | |
| HM 112 T4 (A6:3) | | | 5.003,20 | 5.215,10 | 5.884,30 | 6.151,40 | 6.743,00 | 6.933,40 | 7.983,70 | 8.937,90 | |
| HM 112 T4 (A6:6) | | | 5.177,60 | 5.389,50 | 6.058,70 | 6.325,80 | 6.917,40 | 7.107,80 | 8.158,10 | 9.112,30 | |
| HM 125 T4 (A7:4) | | | | 5.889,40 | 6.558,60 | 6.825,70 | 7.417,30 | 7.607,70 | 8.658,00 | 9.612,20 | 10.208,20 |
| HM 125 T4 (A7:8) | | | | | 6.887,60 | 7.154,70 | 7.746,30 | 7.936,70 | 8.987,00 | 9.941,20 | 10.537,20 |

## 6 pole | 6 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HM 35 T6 (A0:6) | 693,30 | | | | | | | | | | | | | | |
| HM 40 T6 (A0:6) | | | 772,40 | | | | | | | | | | | | |
| HM 45 T6 (A0:6) | 817,50 | | | | | | | | | | | | | | |
| HM 45 T6 (A5:6) | | 923,40 | | | | | | | | | | | | | |
| HM 50 T6 (A0:6) | | 979,80 | | | | | | | | | | | | | |
| HM 50 T6 (A5:6) | | 1.067,70 | | | | | | | | | | | | | |
| HM 56 T6 (A2:6) | | 1.179,80 | 1.187,10 | 1.205,00 | 1.190,20 | | | | | | | | | | |
| HM 56 T6 (A2:9) | | 1.213,20 | 1.220,50 | 1.238,40 | 1.223,60 | | | | | | | | | | |
| HM 56 T6 (A5:6) | | 1.194,20 | 1.201,50 | 1.219,40 | 1.204,60 | | | | | | | | | | |
| HM 63 T6 (A2:6) | | | | 1.315,90 | 1.301,10 | 1.333,00 | | | | | | | | | |
| HM 63 T6 (A2:9) | | | | 1.349,30 | 1.334,50 | 1.366,40 | | | | | | | | | |
| HM 63 T6 (A5:6) | | | | 1.330,10 | 1.315,30 | 1.347,20 | | | | | | | | | |
| HM 71 T6 (A2:6) | | | | 1.466,10 | 1.451,30 | 1.483,20 | 1.546,80 | | | | | | | | |
| HM 71 T6 (A2:9) | | | | 1.499,40 | 1.484,60 | 1.516,50 | 1.580,10 | | | | | | | | |
| HM 71 T6 (A5:6) | | | | 1.480,40 | 1.465,60 | 1.497,50 | 1.561,10 | | | | | | | | |
| HM 80 T6 (A2:6) | | | | | | 1.629,10 | 1.692,70 | 1.802,30 | 1.982,20 | | | | | | |
| HM 80 T6 (A2:9) | | | | | | 1.662,50 | 1.726,10 | 1.835,70 | 2.015,60 | | | | | | |
| HM 80 T6 (A5:6) | | | | | | 1.643,50 | 1.707,10 | 1.816,70 | 1.996,60 | | | | | | |
| HM 90 T6 (A6:3) | | | | | | | | 2.843,00 | 3.022,90 | 3.336,80 | 3.492,20 | | | | |
| HM 90 T6 (A6:6) | | | | | | | | 3.017,30 | 3.197,20 | 3.511,10 | 3.666,50 | | | | |
| HM 100 T6 (A6:3) | | | | | | | | | | 3.453,30 | 3.608,70 | 3.828,40 | 4.132,00 | | |
| HM 100 T6 (A6:6) | | | | | | | | | | 3.627,60 | 3.783,00 | 4.002,70 | 4.306,30 | | |
| HM 112 T6 (A6:3) | | | | | | | | | | 4.984,60 | 5.140,00 | 5.359,70 | 5.663,30 | 6.116,20 | |
| HM 112 T6 (A6:6) | | | | | | | | | | 5.159,00 | 5.314,40 | 5.534,10 | 5.837,70 | 6.290,60 | |
| HM 125 T6 (A7:4) | | | | | | | | | | 5.658,90 | 5.814,30 | 6.034,00 | 6.337,60 | 6.790,50 | 7.477,40 |
| HM 125 T6 (A7:8) | | | | | | | | | | 5.987,90 | 6.143,30 | 6.363,00 | 6.666,60 | 7.119,50 | 7.806,40 |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

### 4/8 pole | 4/8 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| HM 35 T4/T8 (A0:6) | 679,00 | | | | | | | | | | | | | | | | | | |
| HM 40 T4/T8 (A0:6) | 732,80 | | | | | | | | | | | | | | | | | | |
| HM 45 T4/T8 (A0:6) | 803,20 | | | | | | | | | | | | | | | | | | |
| HM 45 T4/T8 (A5:6) | 891,10 | 898,60 | 953,80 | | | | | | | | | | | | | | | | |
| HM 50 T4/T8 (A0:6) | | 955,00 | | | | | | | | | | | | | | | | | |
| HM 50 T4/T8 (A5:6) | 1.035,40 | 1.042,90 | 1.098,10 | 1.145,40 | | | | | | | | | | | | | | | |
| HM 56 T4/T8 (A2:6) | | 1.155,00 | 1.210,20 | 1.257,50 | 1.308,10 | 1.375,60 | 1.544,30 | | | | | | | | | | | | |
| HM 56 T4/T8 (A2:9) | | 1.188,40 | 1.243,60 | 1.290,90 | 1.341,50 | 1.409,00 | 1.577,70 | 1.678,90 | | | | | | | | | | | |
| HM 56 T4/T8 (A5:6) | | 1.169,40 | 1.224,60 | 1.271,90 | 1.322,50 | 1.390,00 | 1.558,70 | | | | | | | | | | | | |
| HM 63 T4/T8 (A2:6) | | | 1.321,10 | 1.368,40 | 1.419,00 | 1.486,50 | 1.655,20 | 1.756,40 | | | | | | | | | | | |
| HM 63 T4/T8 (A2:9) | | | 1.354,50 | 1.401,80 | 1.452,40 | 1.519,90 | 1.688,60 | 1.789,80 | | | | | | | | | | | |
| HM 63 T4/T8 (A5:6) | | | 1.335,30 | 1.382,60 | 1.433,20 | 1.500,70 | 1.669,40 | 1.770,60 | | | | | | | | | | | |
| HM 71 T4/T8 (A2:6) | | | | 1.518,60 | 1.569,20 | 1.636,70 | 1.805,40 | 1.906,60 | 2.125,90 | | | | | | | | | | |
| HM 71 T4/T8 (A2:9) | | | | 1.551,90 | 1.602,50 | 1.670,00 | 1.838,70 | 1.939,90 | 2.159,20 | | | | | | | | | | |
| HM 71 T4/T8 (A5:6) | | | | 1.532,90 | 1.583,50 | 1.651,00 | 1.819,70 | 1.920,90 | 2.140,20 | | | | | | | | | | |
| HM 80 T4/T8 (A2:6) | | | | | 1.715,10 | 1.782,60 | 1.951,30 | 2.052,50 | 2.271,80 | 2.676,70 | 2.879,20 | | | | | | | | |
| HM 80 T4/T8 (A2:9) | | | | | 1.748,50 | 1.816,00 | 1.984,70 | 2.085,90 | 2.305,20 | 2.710,10 | 2.912,60 | | | | | | | | |
| HM 80 T4/T8 (A5:6) | | | | | 1.729,50 | 1.797,00 | 1.965,70 | 2.066,90 | 2.286,20 | | | | | | | | | | |
| HM 90 T4/T8 (A6:3) | | | | | | | | 3.093,20 | 3.312,50 | 3.717,40 | 3.919,90 | 4.314,90 | 4.656,30 | | | | | | |
| HM 90 T4/T8 (A6:6) | | | | | | | | 3.267,50 | 3.486,80 | 3.891,70 | 4.094,20 | 4.489,20 | 4.830,60 | | | | | | |
| HM 100 T4/T8 (A6:3) | | | | | | | | | | 3.833,90 | 4.036,40 | 4.431,40 | 4.772,80 | 5.714,60 | 5.798,30 | | | | |
| HM 100 T4/T8 (A6:6) | | | | | | | | | | 4.008,20 | 4.210,70 | 4.605,70 | 4.947,10 | 5.888,90 | 5.972,60 | | | | |
| HM 112 T4/T8 (A6:3) | | | | | | | | | | 5.365,20 | 5.567,70 | 5.962,70 | 6.304,10 | 7.245,90 | 7.329,60 | 8.648,40 | 8.974,40 | 10.812,90 | |
| HM 112 T4/T8 (A6:6) | | | | | | | | | | 5.539,60 | 5.742,10 | 6.137,10 | 6.478,50 | 7.420,30 | 7.504,00 | 8.822,80 | 9.148,80 | 10.987,30 | |
| HM 125 T4/T8 (A7:4) | | | | | | | | | | | 6.242,00 | 6.637,00 | 6.978,40 | 7.920,20 | 8.003,90 | 9.322,70 | 9.648,70 | 11.487,20 | 12.316,30 |
| HM 125 T4/T8 (A7:8) | | | | | | | | | | | | 6.966,00 | 7.307,40 | 8.249,20 | 8.332,90 | 9.651,70 | 9.977,70 | 11.816,20 | 12.645,30 |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HMA)
## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HMA 35 T2 (A0:6) | 789,30 | 786,70 | 810,80 | | | | | | |
| HMA 40 T2 (A0:6) | | 856,70 | 880,80 | | | | | | |
| HMA 45 T2 (A0:6) | | | | 1.057,00 | 1.111,00 | | | | |
| HMA 50 T2 (A9:4) | | | 1.159,90 | 1.244,50 | 1.298,50 | 1.457,20 | 1.552,70 | | |
| HMA 50 T2 (A9:8) | | | | 1.319,30 | 1.373,30 | 1.532,00 | 1.627,50 | | |
| HMA 56 T2 (A9:5) | | | | | 1.557,50 | 1.716,20 | 1.811,70 | 2.074,90 | 2.216,30 |
| HMA 56 T2 (A9:10) | | | | | | 1.835,90 | 1.931,40 | 2.194,60 | 2.336,00 |

### 4 pole | 4 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HMA 35 T4 (A0:6) | 655,40 | | | | | | | | | | | |
| HMA 40 T4 (A0:6) | | 753,80 | | | | | | | | | | |
| HMA 45 T4 (A0:6) | | 824,20 | | | | | | | | | | |
| HMA 45 T4 (A5:6) | | 1.006,10 | 1.012,90 | 1.035,00 | | | | | | | | |
| HMA 50 T4 (A0:6) | | | 975,20 | | | | | | | | | |
| HMA 50 T4 (A5:6) | | 1.150,30 | 1.157,10 | 1.179,20 | 1.185,30 | | | | | | | |
| HMA 56 T4 (A2:6) | | | 1.246,90 | 1.269,00 | 1.275,10 | 1.329,90 | 1.387,00 | 1.509,80 | | | | |
| HMA 56 T4 (A2:9) | | | 1.341,50 | 1.363,60 | 1.369,70 | 1.424,50 | 1.481,60 | 1.604,40 | 1.714,60 | | | |
| HMA 56 T4 (A5:6) | | | 1.283,50 | 1.305,60 | 1.311,70 | 1.366,50 | 1.423,60 | 1.546,40 | | | | |
| HMA 63 T4 (A2:6) | | | | 1.379,90 | 1.386,00 | 1.440,80 | 1.497,90 | 1.620,70 | 1.730,90 | | | |
| HMA 63 T4 (A2:9) | | | | 1.474,60 | 1.480,70 | 1.535,50 | 1.592,60 | 1.715,40 | 1.825,60 | | | |
| HMA 63 T4 (A5:6) | | | | 1.416,60 | 1.422,70 | 1.477,50 | 1.534,60 | 1.657,40 | 1.767,60 | | | |
| HMA 71 T4 (A2:6) | | | | | 1.536,30 | 1.591,10 | 1.648,20 | 1.771,00 | 1.881,20 | 2.044,00 | | |
| HMA 71 T4 (A2:9) | | | | | 1.631,00 | 1.685,80 | 1.742,90 | 1.865,70 | 1.975,90 | 2.138,70 | | |
| HMA 71 T4 (A5:6) | | | | | 1.572,90 | 1.627,70 | 1.684,80 | 1.807,60 | 1.917,80 | 2.080,60 | | |
| HMA 80 T4 (A2:6) | | | | | | 1.737,00 | 1.794,10 | 1.916,90 | 2.027,10 | 2.189,90 | 2.437,30 | 2.649,20 |
| HMA 80 T4 (A2:9) | | | | | | 1.831,70 | 1.888,80 | 2.011,60 | 2.121,80 | 2.284,60 | 2.532,00 | 2.743,90 |
| HMA 80 T4 (A5:6) | | | | | | 1.773,50 | 1.830,60 | 1.953,40 | 2.063,60 | 2.226,40 | | |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HMA 90 T4 (A6:3) | 3.109,70 | 3.272,50 | 3.519,90 | 3.731,80 | 4.401,00 | 4.668,10 | | | | | |
| HMA 90 T4 (A6:6) | 3.423,50 | 3.586,30 | 3.833,70 | 4.045,60 | 4.714,80 | 4.981,90 | | | | | |
| HMA 100 T4 (A6:3) | | | 3.636,30 | 3.848,20 | 4.517,40 | 4.784,50 | 5.376,10 | 5.566,50 | | | |
| HMA 100 T4 (A6:6) | | | 3.950,10 | 4.162,00 | 4.831,20 | 5.098,30 | 5.689,90 | 5.880,30 | | | |
| HMA 112 T4 (A6:3) | | | 5.167,50 | 5.379,40 | 6.048,60 | 6.315,70 | 6.907,30 | 7.097,70 | 8.148,00 | 9.102,20 | |
| HMA 112 T4 (A6:6) | | | 5.481,50 | 5.693,40 | 6.362,60 | 6.629,70 | 7.221,30 | 7.411,70 | 8.462,00 | 9.416,20 | |
| HMA 125 T4 (A7:4) | | | 5.901,80 | 6.113,70 | 6.782,90 | 7.050,00 | 7.641,60 | 7.832,00 | 8.882,30 | 9.836,50 | 10.432,50 |
| HMA 125 T4 (A7:8) | | | | | 7.201,30 | 7.468,40 | 8.060,00 | 8.250,40 | 9.300,70 | 10.254,90 | 10.850,90 |

## 6 pole | 6 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMA 35 T6 (A0:6) | 744,30 | | | | | | | | | | | | | | |
| HMA 40 T6 (A0:6) | | 816,00 | | | | | | | | | | | | | |
| HMA 45 T6 (A0:6) | 868,40 | 886,40 | | | | | | | | | | | | | |
| HMA 45 T6 (A5:6) | | 1.068,30 | | | | | | | | | | | | | |
| HMA 50 T6 (A0:6) | | 1.030,60 | | | | | | | | | | | | | |
| HMA 50 T6 (A5:6) | | 1.212,50 | 1.219,80 | | | | | | | | | | | | |
| HMA 56 T6 (A2:6) | | 1.302,30 | 1.309,60 | 1.327,50 | 1.312,70 | | | | | | | | | | |
| HMA 56 T6 (A2:9) | | 1.396,90 | 1.404,20 | 1.422,10 | 1.407,30 | | | | | | | | | | |
| HMA 56 T6 (A5:6) | | 1.338,90 | 1.346,20 | 1.364,10 | 1.349,30 | | | | | | | | | | |
| HMA 63 T6 (A2:6) | | | | 1.438,40 | 1.423,60 | 1.455,50 | | | | | | | | | |
| HMA 63 T6 (A2:9) | | | | 1.533,10 | 1.518,30 | 1.550,20 | | | | | | | | | |
| HMA 63 T6 (A5:6) | | | | 1.475,10 | 1.460,30 | 1.492,20 | | | | | | | | | |
| HMA 71 T6 (A2:6) | | | | 1.588,70 | 1.573,90 | 1.605,80 | 1.669,40 | | | | | | | | |
| HMA 71 T6 (A2:9) | | | | 1.683,40 | 1.668,60 | 1.700,50 | 1.764,10 | | | | | | | | |
| HMA 71 T6 (A5:6) | | | | 1.625,30 | 1.610,50 | 1.642,40 | 1.706,00 | | | | | | | | |
| HMA 80 T6 (A2:6) | | | | | | 1.751,70 | 1.815,30 | 1.924,90 | 2.104,80 | | | | | | |
| HMA 80 T6 (A2:9) | | | | | | 1.846,40 | 1.910,00 | 2.019,60 | 2.199,50 | | | | | | |
| HMA 80 T6 (A5:6) | | | | | | 1.788,20 | 1.851,80 | 1.961,40 | 2.141,30 | | | | | | |
| HMA 90 T6 (A6:3) | | | | | | | | 3.007,50 | 3.187,40 | 3.501,30 | 3.656,70 | | | | |
| HMA 90 T6 (A6:6) | | | | | | | | 3.321,30 | 3.501,20 | 3.815,10 | 3.970,50 | | | | |
| HMA 100 T6 (A6:3) | | | | | | | | | | 3.617,70 | 3.773,10 | 3.992,80 | 4.296,40 | | |
| HMA 100 T6 (A6:6) | | | | | | | | | | 3.931,50 | 4.086,90 | 4.306,60 | 4.610,20 | | |
| HMA 112 T6 (A6:3) | | | | | | | | | | 5.148,90 | 5.304,30 | 5.524,00 | 5.827,60 | 6.280,50 | |
| HMA 112 T6 (A6:6) | | | | | | | | | | 5.462,90 | 5.618,30 | 5.838,00 | 6.141,60 | 6.594,50 | |
| HMA 125 T6 (A7:4) | | | | | | | | | | 5.883,20 | 6.038,60 | 6.258,30 | 6.561,90 | 7.014,80 | 7.701,70 |
| HMA 125 T6 (A7:8) | | | | | | | | | | 6.301,60 | 6.457,00 | 6.676,70 | 6.980,30 | 7.433,20 | 8.120,10 |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

### 4/8 pole | 4/8 polos

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| HMA 35 T4/T8 (A0:6) | 730,00 | | | | | | | | | | | | | | | | | | |
| HMA 40 T4/T8 (A0:6) | 783,70 | | | | | | | | | | | | | | | | | | |
| HMA 45 T4/T8 (A0:6) | 854,10 | | | | | | | | | | | | | | | | | | |
| HMA 45 T4/T8 (A5:6) | 1.036,00 | 1.043,50 | 1.098,70 | | | | | | | | | | | | | | | | |
| HMA 50 T4/T8 (A0:6) | | 1.005,80 | | | | | | | | | | | | | | | | | |
| HMA 50 T4/T8 (A5:6) | 1.180,20 | 1.187,70 | 1.242,90 | 1.290,20 | | | | | | | | | | | | | | | |
| HMA 56 T4/T8 (A2:6) | | 1.277,50 | 1.332,70 | 1.380,00 | 1.430,60 | 1.498,10 | 1.666,80 | | | | | | | | | | | | |
| HMA 56 T4/T8 (A2:9) | | 1.372,10 | 1.427,30 | 1.474,60 | 1.525,20 | 1.592,70 | 1.761,40 | 1.862,60 | | | | | | | | | | | |
| HMA 56 T4/T8 (A5:6) | | 1.314,10 | 1.369,30 | 1.416,60 | 1.467,20 | 1.534,70 | 1.703,40 | | | | | | | | | | | | |
| HMA 63 T4/T8 (A2:6) | | | 1.443,60 | 1.490,90 | 1.541,50 | 1.609,00 | 1.777,70 | 1.878,90 | | | | | | | | | | | |
| HMA 63 T4/T8 (A2:9) | | | 1.538,30 | 1.585,60 | 1.636,20 | 1.703,70 | 1.872,40 | 1.973,60 | | | | | | | | | | | |
| HMA 63 T4/T8 (A5:6) | | | 1.480,30 | 1.527,60 | 1.578,20 | 1.645,70 | 1.814,40 | 1.915,60 | | | | | | | | | | | |
| HMA 71 T4/T8 (A2:6) | | | | 1.641,20 | 1.691,80 | 1.759,30 | 1.928,00 | 2.029,20 | 2.248,50 | | | | | | | | | | |
| HMA 71 T4/T8 (A2:9) | | | | 1.735,90 | 1.786,50 | 1.854,00 | 2.022,70 | 2.123,90 | 2.343,20 | | | | | | | | | | |
| HMA 71 T4/T8 (A5:6) | | | | 1.677,80 | 1.728,40 | 1.795,90 | 1.964,60 | 2.065,80 | 2.285,10 | | | | | | | | | | |
| HMA 80 T4/T8 (A2:6) | | | | | 1.837,70 | 1.905,20 | 2.073,90 | 2.175,10 | 2.394,40 | 2.799,30 | 3.001,80 | | | | | | | | |
| HMA 80 T4/T8 (A2:9) | | | | | 1.932,40 | 1.999,90 | 2.168,60 | 2.269,80 | 2.489,10 | 2.894,00 | 3.096,50 | | | | | | | | |
| HMA 80 T4/T8 (A5:6) | | | | | 1.874,20 | 1.941,70 | 2.110,40 | 2.211,60 | 2.430,90 | | | | | | | | | | |
| HMA 90 T4/T8 (A6:3) | | | | | | | | 3.257,70 | 3.477,00 | 3.881,90 | 4.084,40 | 4.479,40 | 4.820,80 | | | | | | |
| HMA 90 T4/T8 (A6:6) | | | | | | | | 3.571,50 | 3.790,80 | 4.195,70 | 4.398,20 | 4.793,20 | 5.134,60 | | | | | | |
| HMA 100 T4/T8 (A6:3) | | | | | | | | | | 3.998,30 | 4.200,80 | 4.595,80 | 4.937,20 | 5.879,00 | 5.962,70 | | | | |
| HMA 100 T4/T8 (A6:6) | | | | | | | | | | 4.312,10 | 4.514,60 | 4.909,60 | 5.251,00 | 6.192,80 | 6.276,50 | | | | |
| HMA 112 T4/T8 (A6:3) | | | | | | | | | | 5.529,50 | 5.732,00 | 6.127,00 | 6.468,40 | 7.410,20 | 7.493,90 | 8.812,70 | 9.138,70 | 10.977,20 | |
| HMA 112 T4/T8 (A6:6) | | | | | | | | | | 5.843,50 | 6.046,00 | 6.441,00 | 6.782,40 | 7.724,20 | 7.807,90 | 9.126,70 | 9.452,70 | 11.291,20 | |
| HMA 125 T4/T8 (A7:4) | | | | | | | | | | | 6.466,30 | 6.861,30 | 7.202,70 | 8.144,50 | 8.228,20 | 9.547,00 | 9.873,00 | 11.711,50 | 12.540,60 |
| HMA 125 T4/T8 (A7:8) | | | | | | | | | | | | 7.279,70 | 7.621,10 | 8.562,90 | 8.646,60 | 9.965,40 | 10.291,40 | 12.129,90 | 12.959,00 |

# HM & HMA EVO EEC



HM EVO EEC



HMA EVO EEC

ErP 50 & 60 Hz

EEC PM motors

## LONG CASED VARIABLE PITCH BLADES WITH EEC MOTOR

### MANUFACTURING FEATURES

- Long cased axial fan with reinforced body, with double flange, made of rolling steel sheet.
- Pad mounted motor support system with guide vanes.
- Protected against corrosion by powder coating of polyester resin.
- Low sound level and high performance.
- Electronic high performance permanent magnet motor EEC Probat by Casals.
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
- Working range: from 400 to 1200-2000RPM (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V ± 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20ºC to 50ºC.
- Speed control through signal 0-10V or PWM.
- 100% controllable thanks to the control. Controlled by high efficiency drive.
- HM EVO EEC: polyamide impeller with variable pitch angle (stopped and in origin) reinforced with fibreglass.
- HMA EVO EEC: cast aluminium impeller with variable pitch angle (stopped and in origin).

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum working temperature 50ºC.

### UNDER REQUEST

- Casing in hot galvanized sheet or stainless steel.

## TUBULAR CAMISA LARGA DE PALA VARIABLE CON MOTOR EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa larga, de doble brida, fabricada en chapa de acero laminado.
- Sistema soporte motor pad mounted de álabes directrices.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Bajo nivel sonoro y altas prestaciones.
- Motor electrónico de imanes permanentes de alto rendimiento EEC Probat by Casals.
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventialdores con electrónica de funcionamiento y control en caja deportada IP 65.
- Rango de trabajo: desde 400 hasta 1200-2000RPM (dependiendo de los modelos.
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V±10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20ºC a 50ºC.
- Control de velodidad a través de señal 0-10V o PWM.
- Regulabilidad al 100% gracias al control. Controlado mediante drive de alta eficiencia.
- HM EVO EEC Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HMA EVO EEC: Hélice en fundición de aluminio de ángulo variable en paro y en origen.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Temperatura máxima de trabajo en continuo 50ºC.

### BAJO DEMANDA

- Envolvente en chapa galvanizada en caliente o acero inoxidable.

## ACCESSORIES | ACCESORIOS



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**INT** pg.515
Safety switch.
Interruptor de corte.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**PO** pg.473
Optional support.
Pie opcional.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

## POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HM EVO EEC)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P € Pol. |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P € Pol |
| 276359040PEC | HM EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 17 | **1.017,70** |
| 276409040PECV2 | HM EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 19 | **1.236,20** |
| 276459040PECV2 | HM EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 21 | **1.307,40** |
| 276509040PECV2 | HM EVO 50 EEC | 1500 | 6 | 0,75 | 9.000 | 73 | 40 | 29 | **1.592,90** |
| 276569540PEC | HM EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 55 | **1.818,20** |
| 276639535PEC | HM EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 64 | **1.919,40** |

## ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HMA EVO EEC)
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P € Al. |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P € Al. |
| 276359040AEC | HMA EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 17 | **1.064,20** |
| 276409040AECV2 | HMA EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 19 | **1.282,80** |
| 276459040AECV2 | HMA EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 21 | **1.355,20** |
| 276509040AECV2 | HMA EVO 50 EEC | 1500 | 6 | 0,75 | 9.000 | 73 | 40 | 29 | **1.640,70** |
| 276569540AEC | HMA EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 55 | **2.091,50** |
| 276639535AEC | HMA EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 64 | **2.206,10** |

# HI



ErP

## PORTABLE FAN WITH ON/OFF SWITCH AND INDUSTRIAL PLUG

### MANUFACTURING FEATURES

- Fan with reinforced tubular casing made of laminated steel sheet. Modular assembly of the propeller motor assembly that allows total versatility in case of any change.
- Polypropylene propeller for A2 profile and fiberglass reinforced polyamide for the rest of the variable angle profiles at stop and at origin.
- Protected against corrosion by polyester resin powder coating.
- Includes stop-start switch and cetac type plug (industrial use).
- Protective grilles on both sides, in compliance with the ROHS directive 2002/95/EC (Restriction of hazardous substances in electrical and electronic equipment).
- Possibility of directing the air jet in any position.
- The fan is supplied with support feet.
- Standardized squirrel cage asynchronous motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz single-phase motors.

### APPLICATIONS

Designed to be moved easily, they are indicated for:

- Ventilation of workplaces.
- Drying of parts and surfaces.
- Maximum continuous working temperature: single-phase 50ºC.

### UNDER REQUEST

- Fans of other diameters and configurations.

## VENTILADOR PORTÁTIL CON PARO MARCHA Y ENCHUFE

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzada fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Hélice de polipropileno para perfil A2 y poliamida reforzada con fibra de vidrio para resto de perfiles de ángulo variable en paro y en origen.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Incluye interruptor paro-marcha y enchufe tipo cetac (uso industrial).
- Rejillas de protección en ambos lados, en cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Posibilidad de orientar el chorro de aire en cualquier posición.
- El ventilador se suministra con los pies soporte.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes Standard 230V 50Hz motores monofásicos.

### APLICACIONES

Diseñados para ser movidos fácilmente, son indicados para:

- Ventilación de puestos de trabajo.
- Secado de piezas y superficies.
- Temperatura máxima de trabajo en continuo: monofásicos 50ºC.

### BAJO DEMANDA

- Ventiladores de otros diámetros y configuraciones.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | ** Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | ** Sonido dB (A) | Peso Kg | P.V.P € |
| HI147130645PV1 | HI 45 M6 0,13kW (A0:6) 45º | 920 | 1,3 | 0,13 | 4.720 | 41 | 18 | **1.124,20** |
| HI152130645PV1 | HI 50 M6 0,13kW (A0:6) 45º | 920 | 1,3 | 0,13 | 6.050 | 43 | 30 | **1.337,10** |
| HI158530645PV1 | HI 56 M6 0,21kW (A0:6) 45º | 945 | 2,00 | 0,21 | 7.820 | 45 | 38 | **1.743,50** |

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source.
** Nivel de presión sonora total en el punto de caudal máximo medido en dB(A) en la aspiración, medido en campo libre a una distancia de 6m de la fuente.

º Extractor reversible de gran caudal y silencioso para ventana o pared.

**º Reversible extractor of great flow and silent for window or wall.**




º KUBALIK
150 | 230 | 300



casals.com

# HH-2



ErP Exempt | 60 +info Hz

## EXTERNAL MOTOR, VARIABLE PITCH BLADES

### MANUFACTURING FEATURES
- Long case fan.
- Transmission ball bearings set inside a sealed cast iron box.
- Cast aluminium impeller with variable pitch angle in origin.
- Polyester powder finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors, up to 4kW and 400/690V 50Hz for higher powers.
- Inspection door.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Air renewal in buildings and industries.
- Extraction of hot air up to 90ºC.
- Maximum working temperature: carried air: 90ºC, ambient 60ºC.

### UNDER REQUEST
- Supply impeller (air direction from impeller to motor),
- Reversible impeller.
- Polyamide impeller.
- 60Hz fans and special voltages.
- 2 speed motors.
- Hot-dipped galvanized.

## MOTOR EXTERNO, PALA VARIABLE

### CARACTERÍSTICAS CONSTRUCTIVAS
- Ventilador envolvente tubular.
- Conjunto transmisión con rodamientos de bolas en monobloque de aluminio.
- Hélice en fundición de aluminio de ángulo variable en origen.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes Standard 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Trampilla de inspección.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
- Extracción aire caliente hasta 90ºC.
- Temperatura máxima de trabajo en continuo: aire transportado: 90ºC, ambiente: 60ºC.

### BAJO DEMANDA
- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible.
- Hélice en poliamida.
- Ventiladores para trabajar a 60Hz y voltajes especiales.
- Motor 2 velocidades.
- Envolvente en chapa galvanizada en caliente.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**PO** pg.473
Optional support.
Pie opcional.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RI** pg.457
Outlet guard.
Reja impulsión.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 280352106 | HH-2 35 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 4.110 | 31 | **1.945,80** |
| 280402306 | HH-2 40 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 6.880 | 57 | **2.135,70** |
| 280452306 | HH-2 45 T2 2,2kW | 2840 | 7,97 | 4,58 | 2,20 | 10.050 | 58 | **2.408,60** |

## 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 280354106 | HH-2 35 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 3.700 | 31 | **2.006,30** |
| 280404306 | HH-2 40 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 4.940 | 52 | **2.047,10** |
| 280454206 | HH-2 45 T4 0,37kW | 1370 | 1,86 | 1,07 | 0,37 | 5.520 | 39 | **2.180,40** |
| 280504106 | HH-2 50 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 6.880 | 55 | **2.442,40** |
| 280504206 | HH-2 50 T4 0,75kW | 1410 | 2,83 | 1,63 | 0,75 | 8.000 | 55 | **2.470,20** |
| 280564106 | HH-2 56 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 11.260 | 72 | **2.971,20** |
| 280634106 | HH-2 63 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 13.640 | 83 | **3.617,40** |
| 280634206 | HH-2 63 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 15.420 | 83 | **3.676,00** |
| 280714106 | HH-2 71 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 17.120 | 87 | **4.044,90** |
| 280714206 | HH-2 71 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 19.120 | 87 | **4.133,10** |
| 280714306 | HH-2 71 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 21.430 | 95 | **4.205,50** |
| 280804306 | HH-2 80 T4 2,2kW | 1435 | 8,07 | 4,64 | 2,20 | 24.380 | 110 | **4.715,50** |
| 280804406 | HH-2 80 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 27.870 | 110 | **4.757,70** |
| 280804506 | HH-2 80 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 30.970 | 117 | **4.928,40** |
| 280904406 | HH-2 90 T4 4kW | 1440 | 14,5 | 8,32 | 4,00 | 35.110 | 126 | **5.928,20** |
| 280904506 | HH-2 90 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 39.970 | 150 | **6.114,30** |

# KUBALIK CO2

AIR RENEWAL AND $CO_2$ REDUCTION KIT



KIT DE RENOVACIÓN DE AIRE Y REDUCCIÓN DE $CO_2$

Oficinas, espacios comerciales, bares, restaurantes, tiendas, centros de formación/reunión, salas de espera y vestuarios.
Offices, commercial spaces, bars, restaurants, shops, training/meeting centers, waiting rooms and changing rooms.







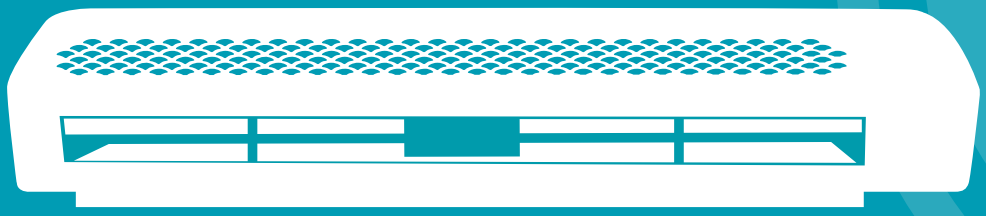

Brochure

Folleto

CO2 KUBALIK

# º Air curtains

# º Cortinas de aire





COURSALIS E



COURSALIS

# COURSALIS E





Wireless remote control
Mando a distancia inalámbrico




## HIGH PERFORMANCE AIR CURTAIN FOR TERTIARY WITH HEATING

### MANUFACTURING FEATURES

- Exclusive arch design, light and superfine.
- High performance and low sound level.
- Metallic housing with paint finish in white colour.
- 380V 50Hz motor.
- Equipped with electrical coil.
- Impeller made of plastic (AS + fiberglass).
- Includes external control by remote control.
- Designed for horizontal mural installation.
- With operating indicator LED (ambient or heating, air velocity and stop motion).
- Mounting brackets on wall.
- Reach up to 3m.
- The indicated weight does not include the packaging (± 2Kg).

### APPLICATIONS

Tertiary sector:

- Airports.
- Schools
- Malls
- Stores
- Supermarkets
- Train stations
- Hotels
- Restaurants
- Pubs
- Offices
- Banks
- Gas stations
- Logistics centers
- Industries, food industries.
- Hospitals, clinics, health centers
- Veterinary clinics
- Refrigerated warehouses

## CORTINA DE AIRE DE ALTO RENDIMIENTO PARA TERCIARIO CON BATERÍA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Exclusivo diseño en arco, ligero y superfino.
- Alto rendimiento y bajo nivel sonoro.
- Carcasa metálica con acabado de pintura blanca.
- Motor 380V 50Hz.
- Equipada con batería eléctrica.
- Turbina de plástico (AS + fibra de vidrio).
- Incluye control externo mediante mando a distancia.
- Diseño para instalación mural en horizontal.
- Con led indicador de funcionamiento (modo ambiente o calefacción, velocidad del aire y paro-marcha).
- Soportes para montaje en pared.
- Alcance hasta 3m.
- El peso indicado no incluye el embalaje (±2Kg).

### APLICACIONES

Sector terciario:

- Aeropuertos
- Escuelas
- Centros comerciales
- Tiendas
- Supermercados
- Estaciones de trenes
- Hoteles
- Restaurantes
- Bares
- Oficinas
- Bancos
- Gasolineras
- Centros de logística
- Industrias, industrias de alimentación
- Hospitales, clínicas, centros de salud
- Clínicas veterinarias
- Almacenes frigoríficos

| Code | Model | R.P.M. | Rated I (A) 400V | Fan Rat. Pow. kW | Calorific pow.kW | Air flow m³/h | Sound dB (A) * | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom.vent. kW | Pot. cal. kW | Q máx. m³/h | Sonido dB (A) * | Peso Kg | P.V.P € |
| 509610000B | COURSALIS 1000 E | 1400 | 11,637 | 0,18 | 4,4 | 1.100 | 45-47 | 17,60 | **623,30** |
| 509615000B | COURSALIS 1500 E | 1400 | 14,474 | 0,22 | 5,5 | 1.800 | 47-49 | 24,70 | **789,00** |
| 509620000B | COURSALIS 2000 E | 1400 | 26,316 | 0,32 | 10 | 2.400 | 51-53 | 29,60 | **921,10** |

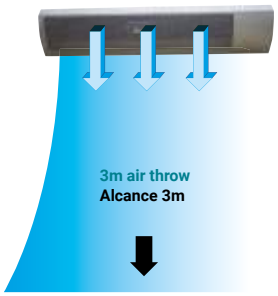
* Radiated total sound pressure level at the point of maximum low in dB(A) measured in a free field at a distance of 1m from the source.
* Nivel de presión sonora total en el punto de caudal máximo radiado en dB(A) medido en campo libre a una distancia de 1m de la fuente.

# COURSALIS





Wireless remote control
Mando a distancia inalámbrico




## HIGH PERFORMANCE AIR CURTAIN FOR TERTIARY

### MANUFACTURING FEATURES

- Exclusive arch design, light and thin.
- High performance and low sound level.
- Metallic housing with paint finish in white colour.
- 230V 50Hz single phase motor.
- Impeller made of plastic (AS + fiberglass).
- Includes external control by remote control.
- Designed for horizontal mural installation.
- Easy adjustable air direction.
- With operating indicator LED (ambient, air speed and stop motion).
- Mounting brackets on wall.
- Reach up to 3m.
- The indicated weight does not include the packaging (± 2Kg).

### APPLICATIONS

Tertiary sector:

- Airports
- Schools
- Malls
- Stores
- Supermarkets
- Train stations
- Hotels
- Restaurants
- Pubs
- Offices
- Banks
- Gas stations
- Logistics centers
- Industries, food industries
- Hospitals, clinics, health centers
- Veterinary clinics
- Refrigerated warehouses

## CORTINA DE AIRE DE ALTO RENDIMIENTO PARA TERCIARIO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Exclusivo diseño en arco, ligero y superfino.
- Alto rendimiento y bajo nivel sonoro.
- Carcasa metálica con acabado de pintura blanca.
- Motor 230V 50Hz monofásico.
- Turbina de plástico (AS + fibra de vidrio).
- Incluye control externo mediante mando a distancia.
- Diseño para instalación mural en horizontal.
- Dirección del aire ajustable fácilmente.
- Con led indicador de funcionamiento (modo ambiente, velocidad del aire y paro-marcha).
- Soportes para montaje en pared.
- Alcance hasta 3m.
- El peso indicado no incluye el embalaje (±2Kg).

### APLICACIONES

Sector terciario:

- Aeropuertos
- Escuelas
- Centros comerciales
- Tiendas.
- Supermercados
- Estaciones de trenes
- Hoteles.
- Restaurantes
- Bares
- Oficinas
- Bancos
- Gasolineras
- Centros de logística
- Industrias, industrias de alimentación
- Hospitales, clínicas, centros de salud
- Clínicas veterinarias
- Almacenes frigoríficos

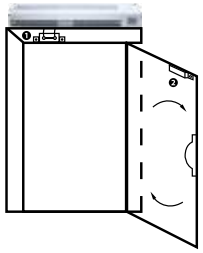
| Code | Model | RPM | Rated I.(A) 230V | Air speed m/s | Mount. height (m) | Fan Rat. Pow. kW | Air flow m³/h | Sound dB (A) * | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | RPM | I nominal (A) 230V | Vel. aire m/s | Alcance (m) | P. Nom. vent. kW | Q máx. m³/h | Sonido dB (A) * | Peso Kg | P.V.P € |
| 509610000M001B | COURSALIS 1000 | 1400 | 0,75 | 11 | 3 | 0,165 | 1.600 | 46-48 | 15,60 | **299,10** |
| 509615000M001B | COURSALIS 1500 | 1400 | 1,04 | 11 | 3 | 0,23 | 2.500 | 48-51 | 21,80 | **399,90** |
| 509620000M001B | COURSALIS 2000 | 1400 | 1,5 | 11 | 3 | 0,33 | 3.380 | 51-55 | 26,70 | **567,90** |

* Radiated total sound pressure level at the point of maximum low in dB(A) measured in a free field at a distance of 1m from the source.
* Nivel de presión sonora total en el punto de caudal máximo radiado en dB(A) medido en campo libre a una distancia de 1m de la fuente.

# MDS



### COURSALIS



❶ MDS A (doorframe/marco puerta)
❷ MDS B (door/puerta)

## MAGNETIC CONTACT DOOR SWITCH FOR COURSALIS

### MANUFACTURING FEATURES

- Composed of two magnets (A for the door frame & B for the door). When the doors open the MDS detects it and gives an ON signal to the COURSALIS to start. When the door closes, the MDS automatically stops the air curtains, saving energy and reducing the sound level in the area.

## INTERRUPTOR DE PRESENCIA PASO POR PUERTA PARA COURSALIS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Compuesto por dos magnetos (A para el marco de la puerta y B para la puerta). Cuando las puertas se abren el MDS lo detecta enviando una señal de puesta en marcha a la COURSALS. Cuando las puertas se cierran el MDS para automáticamente las cortinas de aire ahorrando así energía y reduciendo el nivel sonoro en el ambiente.

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| 301034300 | MDS Coursalis | **17,30** |

# º Ducted fans

# º En conducto



HMR EVO



BT-3



BT-3 EEC



KUVIO



KUVIO EEC



Only in Spanish market

KUVIO-Q



Only in Spanish market

KUVIO-Q EEC

# HMR EVO



ErP 60 +info Hz

## LONG CASED FAN WITH BACKWARD IMPELLER

### MANUFACTURING FEATURES

- Reinforced fan casing manufactured in rolling steel sheet. Polyester powder finishing coat. Housing with motor access door.
- High efficiency backward impeller with self-cleaning system in steel sheet, balanced static and dynamically in origin.High efficiency impeller with built-in diffuser, which eliminates the need to use a scroll or spiral casing to obtain performance.
- Models with AC motor inside the air flow. Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages of 230V50Hz for single phase motors, 230/400V50Hz & 400/690V 50Hz for three-phase 1 speed motors and 400V50Hz for 2 speed motors.
- Maximum working temperature 60ºC.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.

## VENTILADOR TUBULAR CON TURBINA A REACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular fabricado en chapa de acero laminado. Protegido de la corrosión mediante recubrimiento de polvo de resina de poliéster. Trampilla de acceso al motor para facilitar las conexiones y mantenimiento.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción) de alta eficiencia en chapa de acero equilibrada estática y dinámicamente en origen. Turbina de alta eficiencia con difusor incorporado, lo que elimina la necesidad de usar un scroll o envolvente espiral para obtener rendimiento.
- Modelos con motor AC y dentro del flujo del aire. Motor de jaula de ardilla asíncrono estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar 230V 50Hz 230/400V y 400/690V 50Hz para motores trifásicos de una velocidad y 400V 50Hz para motores 2 velocidades.
- Temperatura máxima de trabajo en continuo 60ºC

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**PO** pg.473
Optional support.
Pie opcional.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**DBIC** pg.492
Circular outlet disc.
Disco boca impulsión circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nominal | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 261310343 | HMR EVO 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.080 | 35 | **861,30** |
| 261350343 | HMR EVO 355 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.980 | 40,50 | **928,10** |
| 261400343 | HMR EVO 400 M4 0,75kW | 1400 | 5,21 | 0,75 | 4.550 | 52 | **1.184,10** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nominal | I nominal (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 261310623 | HMR EVO 315 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,10 | 4.150 | 57 | 36 | **1.049,60** |

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nominal | I nominal (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 261310643 | HMR EVO 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.080 | 41 | 35 | **927,70** |
| 261350643 | HMR EVO 355 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.980 | 43 | 40,5 | **999,10** |
| 261400643 | HMR EVO 400 T4 0,75kW | 1390 | 3,5 | 2,00 | 0,75 | 4.550 | 46 | 52 | **1.245,80** |
| 261450643 | HMR EVO 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 6.790 | 50 | 68,2 | **1.498,40** |
| 261500643 | HMR EVO 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 8.930 | 53 | 89,5 | **2.062,00** |
| 261560643 | HMR EVO 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 12.670 | 53 | 120 | **2.570,10** |
| 261630643 | HMR EVO 630 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 18.760 | 58 | 170 | **3.457,00** |

## 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nominal | I nominal (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 261500663 | HMR EVO 500 T6 0,55kW | 925 | 3,00 | 1,8 | 0,55 | 5.860 | 44 | 90 | **1.951,30** |
| 261560663 | HMR EVO 560 T6 0,75kW | 940 | 3,39 | 1,95 | 0,75 | 8.320 | 44 | 118 | **2.351,90** |
| 261630663 | HMR EVO 630 T6 1,5kW | 900 | 6,45 | 3,71 | 1,50 | 12.490 | 49 | 164 | **3.104,70** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nominal | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 2613106432V | HMR EVO 315 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 2.080 | 35 | **989,20** |
| 2613506432V | HMR EVO 355 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 2.980 | 40,50 | **1.056,00** |
| 2614006432V | HMR EVO 400 T4/T8 0,75/0,12kW | 1400 | 2,03/0,68 | 0,75 | 4.550 | 52 | **1.422,90** |
| 2614506432V | HMR EVO 450 T4/T8 1,1/0,18kW | 1400 | 2,67/1,08 | 1,10 | 6.790 | 68 | **1.639,40** |
| 2615006432V | HMR EVO 500 T4/T8 1,5/0,25kW | 1400 | 3,46/1,27 | 1,50 | 8.930 | 89 | **2.156,00** |
| 2615606432V | HMR EVO 560 T4/T8 3/0,55kW | 1430 | 6,53/2,33 | 3,00 | 12.670 | 120 | **2.802,80** |
| 2616306432V | HMR EVO 630 T4/T8 5,5/1,1kW | 1450 | 10,73/3,82 | 5,50 | 18.760 | 170 | **4.068,90** |



# BT-3



60 +info Hz

## INLINE CENTRIFUGAL FAN WITH EXTERNAL ROTOR MOTOR

### MANUFACTURING FEATURES

- Galvanized steel sheet housing
- Backward impeller, dynamically balanced.
- External wiring box.
- Supplied with support feet (optional mounting).
- Single-phase asynchronous motor with external rotor, including thermal protector for automatic resetting and long-life permanent lubrication ball bearings (40,000 hours). Protection IP-44. Standard voltage 230V 50Hz.

### APPLICATIONS

Designed for duct installation, suitable for installation in false ceiling, are indicated for:

- Renovation of air in bathrooms and small rooms.
- Maximum continuous working temperature: 50ºC.
- Fan not suitable for transporting explosive gases.

## CENTRÍFUGO INLINE CON MOTOR DE ROTOR EXTERIOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa en chapa galvanizada.
- Turbina de álabes curvados hacia atrás (reacción) equilibrada dinámicamente.
- Caja de conexiones exterior.
- Se suministra con pies soporte (montaje opcional).
- Motor asíncrono monofásico de rotor exterior, que incluye protector térmico de rearme automático y rodamientos a bolas de engrase permanente de larga duración (40.000 horas). Protección IP-44. Voltaje estándar 230V 50Hz.

### APLICACIONES

Diseñados para instalación en conducto, adecuados en falso techo, son indicados para:

- Renovación de aire en baños y locales pequeños.
- Temperatura máxima de trabajo en continuo: 50ºC.
- Ventilador no adecuado para vehicular gases explosivos.

## ACCESSORIES | ACCESORIOS



**INT 3V** pg.516
Speed selector switch.
Interruptor selector de velocidad.



**REG** pg.511
Manual single phase speed controller.
Regulador de velocidad manual monofásico.



**JE 45 pg**.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**CPCC** pg.468
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | RPM | I nom (A) 230V | Pot. nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509810000 | BT-3 100 | 2820 | 0,32 | 0,07 | 250 | 46 | 3,16 | **207,70** |
| 509812500 | BT-3 125 | 2820 | 0,34 | 0,08 | 330 | 49 | 3,16 | **225,90** |
| 509815000 | BT-3 150 | 2770 | 0,33 | 0,08 | 455 | 43 | 3,42 | **249,40** |
| 509816000 | BT-3 160 | 2760 | 0,34 | 0,08 | 455 | 43 | 3,44 | **260,80** |
| 509820000 | BT-3 200 | 2740 | 0,69 | 0,16 | 1.000 | 47 | 5,43 | **324,70** |
| 509825000 | BT-3 250 | 2765 | 0,66 | 0,15 | 1.070 | 49 | 5,25 | **340,30** |
| 509831500 | BT-3 315 | 2730 | 0,81 | 0,19 | 1.540 | 51 | 6,57 | **445,70** |

# BT-3 EEC



ErP | 50 & 60 Hz | EEC PM motors

## CENTRIFUGAL FAN IN STEEL CASING WITH ELECTRONIC MOTOR EEC

### MANUFACTURING FEATURES

- Fully airtight polymer coated steel housing, ideal for outdoor installation.
- EC motors allow the integration of several fans in unified networks and their centralized control.
- Backward-curved blade turbine with high efficiency electronic motor (EC) with external rotor, dynamically balanced during assembly.
- Motors with ball bearings for a longer life of the fan (40,000 hours). Classification of motor protection IP 44.

### APPLICATIONS

- Designed for supply and extraction ventilation and air conditioning installations that require a cost-effective solution and controllable ventilation.
- Installation in duct in indoor or outdoor.
- The electronic motor reduces consumption by 35% and ensures high aerodynamic performance and low noise level. This makes them ideal for ventilation in public places such as banks, supermarkets, restaurants, hotels.
- Its use is also contemplated in installations close to residential buildings and for domestic applications, such as the ventilation of private pools.

## CENTRÍFUGO EN CARCASA DE ACERO CON MOTOR ELECTRÓNICO EEC

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa de acero recubierto de polímero totalmente hermética, ideal para instalación en exterior.
- Los motores EC permiten la integración de varios ventiladores en redes unificadas y su control centralizado.
- Turbina de álabes curvados hacia atrás con motor electrónico (EC) de alta eficiencia con rotor externo, equilibrada dinámicamente durante el montaje.
- Motores equipados con rodamientos de bolas para una mayor vida útil del ventilador (40.000 horas). Clasificación de protección del motor IP 44.

### APLICACIONES

- Diseñados para ventilación de aportación y extracción e instalaciones de aire acondicionado que requieran una solución rentable y una ventilación controlable.
- Instalación en conducto en interior o exterior.
- El motor electrónico reduce el consumo en un 35% y asegura el alto rendimiento aerodinámico y un bajo nivel de ruido. Esto los hace ideales para la ventilación en locales públicos como: bancos, supermercados, restaurantes, hoteles.
- También se contempla su uso en instalaciones cercanas a edificios residenciales y para aplicaciones domésticas, como la ventilación de piscinas privadas.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de seguridad.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | RPM | I nom (A) 230V | Pot. nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 510310000 | BT-3 100 EEC | 3600 | 0,70 | 0,09 | 345 | 44 | 3,45 | **394,00** |
| 510312500 | BT-3 125 EEC | 3400 | 0,58 | 0,08 | 480 | 45 | 3,58 | **400,40** |
| 510315000 | BT-3 150 EEC | 2800 | 0,73 | 0,10 | 620 | 47 | 4,17 | **501,90** |
| 510316000 | BT-3 160 EEC | 2800 | 0,72 | 0,10 | 685 | 47 | 4,32 | **516,20** |
| 510320000 | BT-3 200 EEC | 2500 | 0,63 | 0,083 | 845 | 47 | 5,7 | **533,60** |
| 510325000 | BT-3 250 EEC | 2900 | 1,15 | 0,16 | 1.230 | 46 | 5,1 | **622,70** |
| 510331500 | BT-3 315 EEC | 2900 | 1,15 | 0,16 | 1.370 | 48 | 7,3 | **698,90** |

# KUVIO



HIGH EFFICIENCY IN-LINE MIXED FLOW FAN MADE OF FIRE RESISTANT PLASTIC RESIN

### MANUFACTURING FEATURES

- High-efficiency in-line mixed flow fan with motor supports, inlet and impeller built in fire-resistant plastic resin, class E2, according to ISO EN 11925-2:2010, in areas close to the motor and electrical components.
- The side cones incorporate the fan anchoring supports on the surface in order to guarantee a quick and safe installation. Designed to allow the assembly or disassembly of the fans without manipulating the ducts.
- Standard version and version with timer (T).
- Induction motor, thermally protected, with shaft mounted on ball bearing supports, coupled to a mixed flow impeller. Two-speed (sizes 100 to 160) and three-speed (sizes 200 to 315) single-phase motor with thermal overload disconnection and shafts that activate ball bearings to guarantee long-term continuous work (at least 30,000 hours at the maximum temperature of the plate). Standard voltages 220-240V 50Hz and 60Hz. Adjustable speed with Casals speed devices.
- Protection degree from IP44 to IPX5, depending on the model (if installed in a conduit).
- IMQ Safety certificate to guarantee electromagnetic compatibility.
- Maximum continuous working temperature: 50ºC.

### APPLICATIONS

Designed for duct supply and exhaust ventilation systems that require excellent response in terms of high pressure and air flow, while keeping noise under control.
It can be used in many small and medium ventilation installations for air renewal such as:

- Bathrooms and changing rooms.
- Commercial offices.
- Extraction in domestic kitchens after the extraction hood.
- Schools
- Waiting room.
- Commercial premises, laundries, shops, bars, restaurants etc.

HELICOCENTRÍFUGO EN LÍNEA DE ALTA EFICIENCIA CONSTRUIDO CON RESINA PLÁSTICA RESISTENTE AL FUEGO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador en línea de alta eficiencia con soportes motor, boca de aspiración y turbina helicocentrífuga construidos en resina plástica resistente al fuego, clase E2, según ISO EN 11925-2:2010, en las zonas próximas a motor y componentes eléctricos.
- Los conos laterales incorporan los soportes de anclaje del ventilador en la superficie con el objetivo de garantizar una instalación rápida y segura. Diseñado para permitir el montaje o desmontaje de los ventiladores sin manipular los conductos.
- Versión estándar y versión con temporizador (T).
- Motor de inducción, protegido térmicamente, con eje montado sobre soportes de rodamientos de bolas, acoplado a turbina helicocentrífuga. Motor monofásico de dos velocidades (tamaños de 100 a 160) y de tres velocidades (tamaños de 200 a 315) con desconexión por sobrecarga térmica y ejes que activan los rodamientos de bolas para garantizar un trabajo continuo de larga duración (al menos 30.000 horas a la temperatura máxima de la placa). Voltajes estándar 220-240V 50Hz y 60Hz. Velocidad ajustable con reguladores Casals.
- Grado de protección IP44 a IPX5, según modelo (si se instala en conducto).
- Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Temperatura máxima de trabajo en continuo: 50ºC.

### APLICACIONES

Diseñado para sistemas de ventilación de suministro y extracción en conducto que requieren, excelente respuesta en cuanto a alta presión y caudal de aire se refiere, a la vez que mantienen el ruido bajo control.
Puede ser utilizado en un gran número de pequeños y medianas instalaciones de ventilación para la renovación de aire en:

- Baños y vestuarios.
- Oficinas comerciales.
- Extracción en cocinas domesticas después de la campana de extracción.
- Escuelas
- Salas de espera.
- Locales comerciales, lavanderías, tiendas, bares, restaurantes, etc.

## ACCESSORIES | ACCESORIOS



**INT 3V** pg.516
Speed selector switch.
Interruptor selector de velocidad.



**REG** pg.511
Manual single phase speed controller.
Regulador de velocidad manual monofásico.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**CPCC** pg.468
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

| Code | Model | R.P.M | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | Pot. nom kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| KUV100 | KUVIO 100 | 2030 | 0,09/0,11 | 0,02 | 260 | 50 | 1,80 | **118,30** |
| KUV125 | KUVIO 125 | 2140 | 0,11/0,15 | 0,03 | 370 | 51 | 1,80 | **119,00** |
| KUV150 | KUVIO 150 | 2100 | 0,18/0,26 | 0,06 | 560 | 55 | 2,40 | **141,10** |
| KUV160 | KUVIO 160 | 2100 | 0,18/0,26 | 0,06 | 560 | 55 | 2,40 | **146,40** |
| KUV200 | KUVIO 200 | 2710 | 0,49/0,42/0,34 | 0,11 | 1.130 | 63 | 4,90 | **237,60** |
| KUV250 | KUVIO 250 | 2760 | 0,65/0,55/0,42 | 0,15 | 1.470 | 64 | 5,30 | **287,40** |
| KUV315 | KUVIO 315 | 2710 | 1,55/1,15/0,95 | 0,36 | 2.750 | 69 | 9,50 | **406,20** |

## TIMER

| Code | Model | R.P. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | Pot. nom kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| KUV100T | KUVIO 100 T | 2030 | 0,09/0,11 | 0,02 | 260 | 50 | 1,80 | **132,50** |
| KUV125T | KUVIO 125 T | 2140 | 0,11/0,15 | 0,03 | 370 | 51 | 1,80 | **133,10** |
| KUV150T | KUVIO 150 T | 2100 | 0,18/0,26 | 0,06 | 560 | 55 | 2,40 | **155,30** |
| KUV160T | KUVIO 160 T | 2100 | 0,18/0,26 | 0,06 | 560 | 55 | 2,40 | **160,80** |
| KUV200T | KUVIO 200 T | 2710 | 0,49/0,42/0,34 | 0,11 | 1.130 | 63 | 4,90 | **260,10** |

# KUVIO EEC



## HIGH EFFICIENCY EC IN-LINE MIXED FLOW FAN MADE OF FIRE RESISTANT PLASTIC RESIN

### MANUFACTURING FEATURES

• High efficiency in-line fan with motor supports, inlet and mixed-flow impeller made of fire-resistant plastic resin. The side cones incorporate the fan anchor supports on the surface in order to guarantee a quick and safe installation. Designed to allow the assembly or disassembly of the fans without manipulating the ducts.
• High efficiency EC (brushless) motors that are continuously adjustable (0-10 V signal) or configurable in the installation for 2-speed operation (to be configured in the installation in a pre-established range). Single-phase motor with disconnection due to thermal overload and axes that activate ball bearings to guarantee continuous long-term work (at least 40,000 hours at maximum plate temperature). Standard voltages 220-240V 50Hz and 60Hz. Adjustable speed with accessories.
• Maximum continuous working temperature: 50ºC.
• IP44 protection degree. IMQ Safety certificate to guarantee electromagnetic compatibility.

### APPLICATIONS

Their small radial dimensions make them an efficient and effective solution to save space in the ventilation of low visual impact of residential, commercial or industrial premises. Designed for duct supply and exhaust ventilation systems that require excellent response in terms of high pressure and air flow, while keeping noise under control. Equipped with EC motor which reduces power consumption.
It can be used in many small and medium ventilation installations for air renewal such as:
• Bathrooms and changing rooms.
• Commercial offices.
• Extraction in domestic kitchens after the extraction hood.
• Schools.
• Waiting room.
• Commercial premises, laundries, shops, bars, restaurants, etc.

## HELICOCENTRÍFUGO EC EN LÍNEA DE ALTA EFICIENCIA DE RESINA PLÁSTICA RESISTENTE AL FUEGO

### CARACTERÍSTICAS CONSTRUCTIVAS

• Ventilador en línea de alta eficiencia con soportes motor, boca de aspiración y turbina helicocentrífuga construidos en resina plástica resistente al fuego. Los conos laterales incorporan los soportes de anclaje del ventilador en la superficie con el objetivo de garantizar una instalación rápida y segura. Diseñado para permitir el montaje o desmontaje de los ventiladores sin manipular los conductos.
• Motores EC (brushless) de alta eficiencia que son continuamente ajustables (señal de 0-10 V) o configurables en la instalación para operación de 2 velocidades (a configurar en la instalación en un rango preestablecido). Motor monofásico con desconexión por sobrecarga térmica y ejes que activan los rodamientos de bolas para garantizar un trabajo continuo de larga duración (al menos 40.000 horas a la temperatura máxima de la placa). Voltajes estándar 220-240V 50Hz y 60Hz. Velocidad ajustable con accesorios.
• Temperatura máxima de trabajo en continuo: 50ºC.
• Protección IP44. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

### APLICACIONES

Sus pequeñas dimensiones lo convierten en una solución eficaz y efectiva para ahorrar espacio en la ventilación de bajo impacto visual de locales residenciales, comerciales o industriales. Diseñado para sistemas de ventilación de suministro y extracción en conductos que requieren una excelente respuesta en términos de alta presión y flujo de aire, manteniendo el ruido bajo control. Equipado con motor EC que reduce el consumo de energía.
Puede ser utilizado en un gran número de pequeños y medianas instalaciones de ventilación para la renovación de aire en:
• Baños y vestuarios.
• Oficinas comerciales.
• Extracción en cocinas domesticas después de la campana de extracción.
• Escuelas.
• Salas de espera.
• Locales comerciales, lavanderías, tiendas, bares, restaurantes, etc.

## ACCESSORIES | ACCESORIOS



**INT 3V** pg.516
Speed selector switch.
Interruptor selector de velocidad.



**REGC** pg.512
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**REG FILTER** pg.513
Constant pressure fan control
Regulador de ventilador a presión constante



**CPCC** pg.468
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.



**JE 45 p**g.484
Flexible joint.
Junta elástica.

| Code | Model | R.P.M | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | Pot. nom kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| KUV100EEC | KUVIO 100 EEC | 2300 | 0,2 | 0,02 | 280 | 56 | 1,90 | **440,20** |
| KUV125EEC | KUVIO 125 EEC | 2350 | 0,25 | 0,03 | 380 | 55 | 1,90 | **438,10** |
| KUV150EEC | KUVIO 150 EEC | 2550 | 0,5 | 0,06 | 620 | 61 | 2,20 | **451,30** |
| KUV160EEC | KUVIO 160 EEC | 2650 | 0,55 | 0,06 | 640 | 61 | 2,20 | **454,30** |
| KUV200EEC | KUVIO 200 EEC | 2680 | 0,8 | 0,09 | 1.100 | 63 | 4,60 | **503,00** |
| KUV250EEC | KUVIO 250 EEC | 2690 | 1,00 | 0,13 | 1.480 | 62 | 5 | **755,90** |
| KUV315EEC | KUVIO 315 EEC | 2370 | 1,75 | 0,23 | 2.630 | 66 | 9,20 | **934,50** |

# KUVIO-Q



*This product is only available in Spanish market.*
*Este producto sólo está disponible para el mercado Nacional.*

## SOUND-PROOF MIXED FLOW EXTRACTOR FANS

### MANUFACTURING FEATURES

The KUVIO-Q range products are fitted with traditional AC motors, 3 speeds.
• Enclosures made of fire resistant plastic resin, E2 class, according with ISO EN 11925-2: 2010, in areas close to motor and electrical components.
• Casing integrating a sound-absorbing coating, optimized to minimize sound emissions radiated into the environment and transmitted through exhaust and supply ducts.
• Nominal diameter from Ø100 to Ø315 mm.
• Induction motor, thermally protected, with shaft mounted on ball bearing supports, coupled with a centrifugal impeller.
• Timer versions (T) are equipped with an electronic timer for automatic operation at maximum speed, which can be set in the 3-20' range at the installation (default setting 3').
• High water resistance: IPX5 (if installed in a duct).
• 220-240V 50/60Hz.
• Adjustable speed through Casals speed devices.

### APPLICATIONS

For use in small and medium-sized ventilation installations for air renewal in:
- Bathrooms and changing rooms.
- Commercial offices.
- Extraction in domestic kitchens (after the extraction hood).
- Schools.
- Waiting rooms.
- Commercial premises.
- Laundries.
- Shops.
- Bars.
- Restaurants.
- Laboratories.
- Laboratories. Etc...

## EXTRACTORES HELICOCENTRÍFUGOS INSONORIZADOS

### CARACTERÍSTICAS CONSTRUCTIVAS

Los productos de la gama KUVIO-Q están equipados con motores AC tradicionales, de 3 velocidades.
• Carcasa fabricada en resina plástica resistente al fuego, clase E2, según ISO EN 11925-2:2010, en las zonas próximas a motor y componentes eléctricos.
• El envolvente integra un revestimiento fonoabsorbente, optimizado para minimizar las emisiones sonoras radiadas al ambiente y transmitidas a través de los conductos de extracción e impulsión.
• Diámetro nominal desde Ø100 hasta Ø315 mm.
• Motor de inducción, protegido térmicamente, con eje montado sobre soportes de rodamientos de bolas, acoplado a una turbina centrífuga.
• Las versiones con temporizador (T) están equipadas con un temporizador electrónico para el funcionamiento automático a la máxima velocidad, que se puede configurar en el rango de 3 a 20' en la instalación (configuración predeterminada en 3').
• Alta resistencia al agua: IPX5 (si se instala en conducto).
• 220-240V 50/60Hz.
• Velocidad regulable mediante reguladores de velocidad Casals.

### APLICACIONES

Para uso en pequeñas y medianas instalaciones de ventilación para la renovación de aire en:
- Baños y vestuarios.
- Oficinas comerciales.
- Extracción en cocinas domésticas (después de la campana de extracción).
- Escuelas.
- Salas de espera.
- Locales comerciales.
- Lavanderías.
- Tiendas.
- Bares.
- Restaurantes.
- Laboratorios. Etc...

## ACCESSORIES | ACCESORIOS



**INT 3V** pg.516
Speed selector switch.
Interruptor selector de velocidad.



Sensor to control the rate of relative humidity.
Sensor para control de humedad relativa.



**STEMP** pg.398
Sensor to control the air temperature.
Sensor para controlar la temperatura.



**C-FLEX** pg.503
Clamp for flexible circular duct.
Abrazadera para conducto circular flexible.



**REG** pg.511
Manual single phase speed controller.
Regulador de velocidad manual monofásico.



**BDC** pg.465
Galvanized sheet-metal backdraught shuter to install in the discharge of the fans.
Compuerta antirretorno en acero galvanizado para instalar en la descarga de los ventiladores.



**VISC** pg.497
Flute peak shape flange for outlet
Brida para situar en la impulsión en forma de pico de flauta



**JE 45 p**g.484
Flexible joint.
Junta elástica.



**REGD** pg.511
Speed controller.
Regulador de velocidad.



**SILC-MINI** pg.502
Circular sound attenuator in galvanised steel.
Silenciador circular con brida en acero galvanizado.



**C-ISOL** pg.503
Clamp for rigid circular ducts.
Abrazadera para conducto circular rígido

| Code | Model | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) ** | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | I nominal (A) 230V | Pot. nom kW | Q máx. m³/h | Sonido dB (A) ** | Peso Kg | P.V.P € |
| KUVQ100 | KUVIO-Q 100 | 0,13 / 0,11 / 0,09 | 0,03 | 260 | 48 | 4,70 | **220,50** |
| KUVQ125 | KUVIO-Q 125 | 0,13 / 0,11 / 0,09 | 0,03 | 320 | 44 | 4,50 | **273,00** |
| KUVQ150 | KUVIO-Q 150 | 0,22 / 0,17 / 0,14 | 0,05 | 510 | 51 | 6,60 | **336,00** |
| KUVQ160 | KUVIO-Q 160 | 0,22 / 0,17 / 0,14 | 0,05 | 510 | 51 | 6,30 | **446,30** |
| KUVQ200 | KUVIO-Q 200 | 0,49 / 0,42 / 0,34 | 0,11 | 1.160 | 60 | 10,50 | **614,30** |
| KUVQ250 | KUVIO-Q 250 | 0,65 / 0,55 / 0,42 | 0,15 | 1.550 | 59 | 17 | **682,50** |
| KUVQ315 | KUVIO-Q 315 | 1,55 / 1,15 / 0,95 | 0,36 | 2.890 | 65 | 33 | **819,00** |

TIMER

| Code | Model | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) ** | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | I nominal (A) 230V | Pot. nom kW | Q máx. m³/h | Sonido dB (A) ** | Peso Kg | P.V.P € |
| KUVQ200T | KUVIO-Q 100 T | 0,13 / 0,11 / 0,09 | 0,03 | 260 | 48 | 4,70 | **246,80** |
| KUVQ160T | KUVIO-Q 125 T | 0,13 / 0,11 / 0,09 | 0,03 | 320 | 44 | 4,50 | **299,30** |
| KUVQ150T | KUVIO-Q 150 T | 0,22 / 0,17 / 0,14 | 0,05 | 510 | 51 | 6,60 | **362,30** |
| KUVQ125T | KUVIO-Q 160 T | 0,22 / 0,17 / 0,14 | 0,05 | 510 | 51 | 6,30 | **472,50** |
| KUVQ100T | KUVIO-Q 200 T | 0,49 / 0,42 / 0,34 | 0,11 | 1.160 | 60 | 10,50 | **640,50** |

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measure
** Nivel de presión sonora total en el punto de máximo caudal medido en dB(A) en la medida de aspiración

# KUVIO-Q EEC



*This product is only available in Spanish market.*
*Este producto sólo está disponible para el mercado Nacional.*

## SOUND-PROOF ENERGY SAVING MIXED FLOW EXTRACTOR FANS WITH EC MOTOR

### MANUFACTURING FEATURES

The products in the KUVIO-Q EEC range differ from the corresponding versions of the KUVIO-Q range due to the use of electronically controlled EC brushless (low consumption) motors. Each speed can be set at installation. Alternatively the units can run at 1 speed only,adjustable by user through 0-10V signal.
• Enclosures made of fire resistant plastic resin, E2 class, according with ISO EN 11925-2: 2010, in areas close to motor and electrical components.
• Casing integrating a sound-absorbing coating, optimized to minimize sound emissions radiated into the environment and transmitted through exhaust and supply ducts.
• Nominal diameter from Ø100 to Ø315 mm.
• EC (brushless) motor, thermally protected, with shaft mounted on ball bearing supports, coupled with a centrifugal impeller.
• High water resistance: IPX5 (if installed in a duct).
• Equipped with a thermal fuse overheating safety device.
• Speed adjustable through potentiometer (0-10V signal) or two-speed switch (to be set at the installation in a preset range).

### APPLICATIONS

For use in spaces where silence is essential. For small and medium-sized ventilation installations for air renewal in:
- Bathrooms and changing rooms.
- Commercial offices.
- Extraction in domestic kitchens (after the extraction hood).
- Schools.
- Waiting rooms.
- Commercial premises.
- Laundries.
- Shops.
- Bars.
- Restaurants.
- Laboratories.
- Etc...

## EXTRACTORES HELICOCENTRÍFUGOS INSONORIZADOS DE BAJO CONSUMO CON MOTOR EC

### CARACTERÍSTICAS CONSTRUCTIVAS

Los productos de la gama KUVIO-Q EEC se diferencian de las versiones correspondientes de la gama KUVIO-Q por el uso de motores EC brushless (bajo consumo) controlados electrónicamente. Cada velocidad se puede configurar en la instalación. Alternativamente, las unidades pueden funcionar a una sola velocidad, ajustable por el usuario a través de una señal de 0-10 V.
• Carcasa fabricada en resina plástica resistente al fuego, clase E2, según ISO EN 11925-2:2010, en las zonas próximas a motor y componentes eléctricos.
• Envolvente que integra un revestimiento fonoabsorbente, optimizado para minimizar las emisiones sonoras radiadas al ambiente y transmitidas a través de los conductos de extracción y impulsión.
• Diámetro nominal desde Ø100 hasta Ø315 mm.
• Motor EC (sin escobillas), protegido térmicamente, con eje montado sobre soportes de rodamientos de bolas, acoplado a un impulsor centrífugo.
• Alta resistencia al agua: IPX5 (si se instala en conducto).
• Equipado con un dispositivo de seguridad contra sobrecalentamiento por fusible térmico.
• Velocidad regulable mediante potenciómetro (señal 0-10V) o interruptor de dos velocidades (a programar en la instalación en un rango preestablecido).

### APLICACIONES

Para uso en espacios donde el silencio es primordial. Para pequeñas y medianas instalaciones de ventilación para la renovación de aire en:
- Baños y vestuarios.
- Oficinas comerciales.
- Extracción en cocinas domésticas (después de la campana de extracción).
- Escuelas.
- Salas de espera.
- Locales comerciales.
- Lavanderías.
- Tiendas.
- Bares.
- Restaurantes.
- Laboratorios.
- Etc...

## ACCESSORIES | ACCESORIOS



**INT 3V** pg.516
Speed selector switch.
Interruptor selector de velocidad.



**PMR** pg.422
Speed controller with safety switch for EEC engine
Regulador velocidad con interruptor de seguridad para motor EEC



**SILC-MINI** pg.502
Circular sound attenuator in galvanised steel.
Silenciador circular con brida en acero galvanizado.



**STEMP** pg.398
Sensor to control the air temperature.
Sensor para controlar la temperatura.



**SHR** pg.398
Sensor to control the rate of relative humidity.
Sensor para control de humedad relativa.



**BDC** pg.465
Galvanized sheet-metal backdraught shuter to install in the discharge of the fans.
Compuerta antirretorno en acero galvanizado para instalar en la descarga de los ventiladores.



**VISC** pg.497
Flute peak shape flange for outlet
Brida para situar en la impulsión en forma de pico de flauta



**C-FLEX** pg.503
Clamp for flexible circular duct.
Abrazadera para conducto circular flexible.



**C-ISOL** pg.503
Clamp for rigid circular ducts.
Abrazadera para conducto circular rígido.



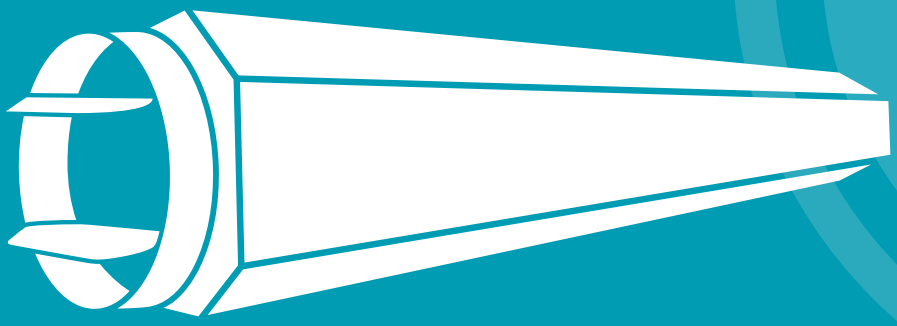
**JE 45 pg**.484
Flexible joint.
Junta elástica.

| Code | Model | R.P.M | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 230V | Pot. nom kW | Q máx. m³/h | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| KUVQ100EEC | KUVIO-Q 100 EEC | 2510 | 0,26 | 0,02 | 300 | 53 | 4,70 | **472,50** |
| KUVQ125EEC | KUVIO-Q 125 EEC | 2210 | 0,27 | 0,02 | 380 | 52 | 4,50 | **483,00** |
| KUVQ150EEC | KUVIO-Q 150 EEC | 2030 | 0,34 | 0,03 | 520 | 50 | 6,60 | **540,80** |
| KUVQ160EEC | KUVIO-Q 160 EEC | 2035 | 0,34 | 0,03 | 530 | 50 | 6,30 | **546,00** |
| KUVQ200EEC | KUVIO-Q 200 EEC | 2700 | 0,78 | 0,09 | 1.15 | 58 | 10,50 | **724,50** |
| KUVQ250EEC | KUVIO-Q 250 EEC | 2680 | 0,97 | 0,13 | 1.48 | 62 | 17 | **1.029,00** |
| KUVQ315EEC | KUVIO-Q 315 EEC | 2350 | 1,52 | 0,22 | 2.64 | 63 | 33 | **1.207,50** |

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measure
** Nivel de presión sonora total en el punto de máximo caudal medido en dB(A) en la medida de aspiración

# º Jet fans

# º Ventiladores de impulso





JF CONFORT



JF 400



JF 300



JFC CONFORT



JFC 400



JFC 300



SYBILO CONFORT



SYBILO F400



SYBILO F300



SYBILO-S EEC

# JF



ErP Exempt

60 +info Hz

CE 0370
JF/JFC
Nº Certificación:
0370-CPR-1325

## JET FAN

### MANUFACTURING FEATURES

JF models are composed of an axial fan and two silencers.

FAN:
• Axial fan with galvanized steel casing. Connection box accessible from the side by a removable door.
• Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, certified 400ºC/2h. Standard voltages 230/400V 50Hz for single speed motors and 400V 50Hz for 2 speed motors.

SILENCERS:
• Casing made of galvanized steel. Inner duct made of perforated galvanized steel sheet.
• Silencers filled with mineral wool of high acoustic absorption properties, preventing most of the fan noise to be propagated.
• JF UN (unidirectional) is equipped with a protection guard at the inlet side and a deflector at the outlet. The deflector directs air away from the ceiling or other obstructions such as beams or ducts sweeping the entire volume of air to the nearest extraction point.
• JF RE (reversible) is equipped with protection guards on both sides.

### APPLICATIONS

• Conceived for car park and large spaces where polluted air or smoke from an accidental fire needs to be removed effectively.
• An optimized design minimizes the height needed for their installation and assures a silent operation.
• Maximum continuous working temperature: 60ºC.

## VENTILADOR DE IMPULSO (JET FAN)

### CARACTERÍSTICAS CONSTRUCTIVAS

Los JF se componen de un ventilador axial y dos silenciadores.

VENTILADOR:
• Ventilador axial con revestimiento de acero galvanizado. La caja de conexiones es accesible lateralmente mediante una puerta extraíble.
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H, certificado 400ºC/2h (disponible también en versión confort). Voltajes estándar 230/400V 50Hz para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

SILENCIADORES:
• Revestimiento de acero galvanizado. Tubo interior de chapa de acero galvanizado perforado.
• Tienen en su interior lana mineral con altas propiedades de absorción acústica que previene la propagación de la mayor parte del ruido del ventilador.
• JF UN (unidireccionales): equipados con rejilla de protección en la boca de aspiración y un deflector en la de salida. El deflector aleja el aire del techo u otros obstáculos como vigas o conductos barriendo todo el volumen de aire al punto de extracción más cercano.
• JF RE (reversibles): equipados con rejillas de protección en ambos lados.

### APLICACIONES

• Concebidos para aparcamientos de coches y espacios amplios donde se requiera eliminar de forma efectiva aire contaminado o humo de un fuego fortuito.
• Su diseño optimizado reduce la altura necesaria para su instalación y asegura un funcionamiento silencioso.
• Temperatura máxima de trabajo en continuo: 60ºC.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT 400** pg.515
Connexion flange.
Brida de connexión.

# JF CONFORT

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom.(A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | | |
| 274300196ST | JF 300 T2 UN CONFORT | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 25 | 17,07 | 60 | **2.757,00** |
| 274400196ST | JF 400 T2 UN CONFORT | 2860 | 4,14 | 2,39 | 1,1 | 8.460 | 53 | 18,42 | 70 | **3.543,20** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| 274300296ST | JF 300 T2/T4 UN CONFORT | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 25/6 | 17,07/8,54 | 60 | **2.863,90** |
| 274400296ST | JF 400 T2/T4 UN CONFORT | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 53/13 | 18,42/9,21 | 70 | **3.949,50** |

# JF F300 - 300ºC/2H

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | | |
| 274301196F3 | JF 300 T2 RE F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.360 | 23 | 16,58 | 60 | **3.570,30** |
| 274300196F3 | JF 300 T2 UN F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 25 | 17,07 | 60 | **3.438,20** |
| 274401196F3 | JF 400 T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.160 | 49 | 17,77 | 70 | **3.997,50** |
| 274400196F3 | JF 400 T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.460 | 53 | 18,42 | 70 | **3.738,80** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| 274301296F3 | JF 300 T2/T4 RE F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.360/2.180 | 23/5,5 | 16,58/8,29 | 60 | **3.784,70** |
| 274300296F3 | JF 300 T2/T4 UN F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 25/6 | 17,07/8,54 | 60 | **3.531,60** |
| 274401296F3 | JF 400 T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.160/4.080 | 49/12 | 17,77/8,89 | 70 | **4.268,40** |
| 274400296F3 | JF 400 T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 53/13 | 18,42/9,21 | 70 | **4.094,00** |

# JF F400 - 400ºC/2H

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | | |
| 274301196 | JF 300 T2 RE F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.140 | 21 | 15,74 | 60 | **3.950,20** |
| 274300196 | JF 300 T2 UN F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.280 | 23 | 16,27 | 60 | **3.799,10** |
| 274401196 | JF 400 T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 7.740 | 44 | 16,86 | 70 | **4.852,90** |
| 274400196 | JF 400 T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 8.050 | 48 | 17,53 | 70 | **4.557,00** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| 274301296 | JF 300 T2/T4 RE F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.140/2.070 | 21/5 | 15,74/7,87 | 60 | **4.195,00** |
| 274300296 | JF 300 T2/T4 UN F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.280/2.140 | 23/5,5 | 16,27/8,14 | 60 | **3.906,20** |
| 274401296 | JF 400 T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 7.740/3.870 | 44/11 | 16,86/8,43 | 70 | **5.162,10** |
| 274400296 | JF 400 T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.050/4.025 | 48/12 | 17,53/8,77 | 70 | **4.963,20** |

50/60 Hz

Ventiladores de alta eficiencia con motor electrónico Probat EEC

High efficiency fans with Probat electronic motor EEC

Folleto

Brochure

Probat EEC

# JFC



ErP Exempt

60 +info Hz

CE 0370 JF/JFC Nº Certificación: 0370-CPR-1325

## JET FAN

### MANUFACTURING FEATURES

JFC models are composed of an axial fan and two silencers.

FAN:

• Axial fan with galvanized steel casing. Connection box accessible from the side by a removable door.
• Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, certified 400ºC/2h. Standard voltages 230/400V 50Hz for single speed motors and 400V 50Hz for 2 speed motors.

SILENCERS:

• Casing made of galvanized steel. Inner duct made of perforated galvanized steel sheet.
• Silencers filled with mineral wool of high acoustic absorption properties, preventing most of the fan noise to be propagated.
• JFC UN (unidirectional) is equipped with a protection guard at the inlet side and a deflector at the outlet. The deflector directs air away from the ceiling or other obstructions such as beams or ducts sweeping the entire volume of air to the nearest extraction point.
• JFC RE (reversible) is equipped with protection guards on both sides.

### APPLICATIONS

• Conceived for car park and large spaces where polluted air or smoke from an accidental fire needs to be removed effectively.
• An optimized design minimizes the height needed for their installation and assures a silent operation.
• Maximum continuous working temperature: 60ºC.

## VENTILADOR DE IMPULSO CIRCULAR (JET FAN)

### CARACTERÍSTICAS CONSTRUCTIVAS

Los JFC se componen de un ventilador helicoidal y dos silenciadores.

VENTILADOR:

• Ventilador con envolvente tubular reforzado, fabricada en chapa de acero laminado. La caja de conexiones es accesible lateralmente.
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H, certificado 400ºC/2h (disponible también en versión confort). Voltajes estándar 230/400V 50Hz para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

SILENCIADORES CILÍNDRICOS:

• Revestimiento de acero galvanizado. Tubo interior de chapa de acero galvanizado perforado.
• Tienen en su interior lana mineral con altas propiedades de absorción acústica que previene la propagación de la mayor parte del ruido del ventilador.
• JFC UN (unidireccionales): equipados con rejilla de protección en la boca de aspiración y un deflector en la de salida. El deflector aleja el aire del techo u otros obstáculos como vigas o conductos barriendo todo el volumen de aire al punto de extracción más cercano.
• JFC RE (reversibles): equipados con rejillas de protección en ambos lados.

### APLICACIONES

• Concebidos para aparcamientos de coches y espacios amplios donde se requiera eliminar de forma efectiva aire contaminado o humo de un fuego fortuito.
• Su diseño optimizado reduce la altura necesaria para su instalación y asegura un funcionamiento silencioso.
• Temperatura máxima de trabajo en continuo: 60ºC.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT 400** pg.515
Connexion flange.
Brida de connexión.

# JFC CONFORT

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | | |
| 274300198ST | JFC 315 T2 UN | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 25 | 17,07 | 91 | **1.814,30** |
| 274310198ST | JFC 315/H T2 UN | 2860 | 4,14 | 2,39 | 1,10 | 5.420 | 36 | 20,61 | 93 | **1.980,90** |
| 274350198ST | JFC 355 T2 UN | 2780 | 2,36 | 1,36 | 0,55 | 5.230 | 26 | 13,88 | 99 | **2.215,70** |
| 274360198ST | JFC 355/H T2 UN | 2860 | 4,14 | 2,39 | 1,10 | 6.900 | 45 | 18,32 | 101 | **2.382,30** |
| 274400198ST | JFC 400 T2 UN | 2860 | 4,14 | 2,39 | 1,10 | 8.460 | 53 | 18,42 | 121 | **2.724,30** |
| 274410198ST | JFC 400/H T2 UN | 2860 | 5,83 | 3,14 | 1,50 | 9.320 | 64 | 20,30 | 128 | **2.820,10** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| 274300298ST | JFC 315 T2/T4 UN | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 25/6 | 17,07/8,54 | 91 | **2.016,20** |
| 274310298ST | JFC 315/H T2/T4 UN | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 5.420/2.710 | 36/8 | 20,61/10,3 | 93 | **2.359,00** |
| 274350298ST | JFC 355 T2/T4 UN | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.230/2.615 | 26/6 | 13,88/6,94 | 99 | **2.298,70** |
| 274360298ST | JFC 355/H T2/T4 UN | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.900/3.450 | 45/11 | 18,32/9,16 | 101 | **2.642,10** |
| 274400298ST | JFC 400 T2/T4 UN | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 53/13 | 18,42/9,21 | 121 | **3.045,20** |
| 274410298ST | JFC 400/H T2/T4 UN | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 9.320/4.660 | 64/16 | 20,3/10,15 | 128 | **3.356,80** |

# JFC F300 - 300ºC/2H

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | | |
| 274301198F3 | JFC 315 T2 RE F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.360 | 23 | 16,58 | 95 | **2.633,90** |
| 274300198F3 | JFC 315 T2 UN F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 25 | 17,07 | 91 | **2.595,90** |
| 274311198F3 | JFC 315/H T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 4.740 | 28 | 18,02 | 97 | **2.727,70** |
| 274310198F3 | JFC 315/H T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 5.420 | 36 | 20,61 | 93 | **2.651,60** |
| 274351198F3 | JFC 355 T2 RE F300 | 2780 | 2,36 | 1,36 | 0,55 | 5.500 | 28 | 14,60 | 101 | **2.998,00** |
| 274350198F3 | JFC 355 T2 UN F300 | 2780 | 2,36 | 1,36 | 0,55 | 5.230 | 26 | 13,88 | 99 | **2.959,80** |
| 274361198F3 | JFC 355/H T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 6.820 | 44 | 18,11 | 103 | **3.020,00** |
| 274360198F3 | JFC 355/H T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 6.900 | 45 | 18,32 | 101 | **3.005,10** |
| 274401198F3 | JFC 400 T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.160 | 49 | 17,77 | 125 | **3.112,00** |
| 274400198F3 | JFC 400 T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.460 | 53 | 18,42 | 121 | **3.074,20** |
| 274411198F3 | JFC 400/H T2 RE F300 | 2860 | 5,83 | 3,14 | 1,50 | 9.190 | 62 | 20,01 | 128 | **3.387,40** |
| 274410198F3 | JFC 400/H T2 UN F300 | 2860 | 5,83 | 3,14 | 1,50 | 9.320 | 64 | 20,30 | 128 | **3.349,70** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| 274301298F3 | JFC 315 T2/T4 RE F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.360/2.180 | 23/5,5 | 16,58/8,29 | 95 | **2.712,90** |
| 274300298F3 | JFC 315 T2/T4 UN F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 25/6 | 17,07/8,54 | 91 | **2.674,60** |
| 274311298F3 | JFC 315/H T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 4.740/2.370 | 28/7 | 18,02/9,01 | 97 | **2.790,80** |
| 274310298F3 | JFC 315/H T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 5.420/2.710 | 36/8 | 20,61/10,3 | 93 | **2.714,50** |
| 274351298F3 | JFC 355 T2/T4 RE F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.500/2.750 | 28/7 | 14,6/7,3 | 101 | **3.134,00** |
| 274350298F3 | JFC 355 T2/T4 UN F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.230/2.615 | 26/6 | 13,88/6,94 | 99 | **2.965,80** |
| 274361298F3 | JFC 355/H T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.820/3.410 | 44/11 | 18,11/9,05 | 103 | **3.156,20** |
| 274360298F3 | JFC 355/H T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.900/3.450 | 45/11 | 18,32/9,16 | 101 | **3.095,80** |
| 274401298F3 | JFC 400 T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.160/4.080 | 49/12 | 17,77/8,89 | 125 | **3.322,30** |
| 274400298F3 | JFC 400 T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 53/13 | 18,42/9,21 | 121 | **3.284,30** |
| 274411298F3 | JFC 400/H T2/T4 RE F300 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 9.190/4.595 | 62/16 | 20,01/10,01 | 128 | **3.752,00** |
| 274410298F3 | JFC 400/H T2/T4 UN F300 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 9.320/4.660 | 64/16 | 20,3/10,15 | 128 | **3.714,00** |

# JFC F400 - 400ºC/2H

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | | |
| 274301198 | JFC 315 T2 RE F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.140 | 21 | 15,74 | 95 | **2.805,00** |
| 274300198 | JFC 315 T2 UN F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.280 | 23 | 16,27 | 91 | **2.723,20** |
| 274311198 | JFC 315/H T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 4.500 | 25 | 17,11 | 97 | **3.049,80** |
| 274310198 | JFC 315/H T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 5.140 | 33 | 19,54 | 93 | **3.009,00** |
| 274351198 | JFC 355 T2 RE F400 | 2780 | 2,36 | 1,36 | 0,55 | 5.190 | 25 | 13,78 | 101 | **3.118,50** |
| 274350198 | JFC 355 T2 UN F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.930 | 23 | 13,09 | 99 | **3.102,00** |
| 274361198 | JFC 355/H T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 6.400 | 38 | 16,99 | 103 | **3.439,40** |
| 274360198 | JFC 355/H T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 6.480 | 39 | 17,20 | 101 | **3.398,80** |
| 274401198 | JFC 400 T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 7.740 | 44 | 16,86 | 125 | **3.562,00** |
| 274400198 | JFC 400 T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 8.050 | 48 | 17,53 | 121 | **3.521,50** |
| 274411198 | JFC 400/H T2 RE F400 | 2860 | 5,83 | 3,14 | 1,50 | 8.690 | 56 | 18,92 | 128 | **3.966,30** |
| 274410198 | JFC 400/H T2 UN F400 | 2860 | 5,83 | 3,14 | 1,50 | 8.850 | 58 | 19,27 | 128 | **3.928,10** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P € |
| 274301298 | JFC 315 T2/T4 RE F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.140/2.070 | 21/5 | 15,74/7,87 | 95 | **2.872,30** |
| 274300298 | JFC 315 T2/T4 UN F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.280/2.140 | 23/5,5 | 16,27/8,14 | 91 | **2.790,90** |
| 274311298 | JFC 315/H T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 4.500/2.250 | 25/6 | 17,11/8,55 | 97 | **3.134,10** |
| 274310298 | JFC 315/H T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 5.140/2.570 | 33/8 | 19,54/9,77 | 93 | **3.093,10** |
| 274351298 | JFC 355 T2/T4 RE F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.190/2.595 | 25/6 | 13,78/6,89 | 101 | **3.264,20** |
| 274350298 | JFC 355 T2/T4 UN F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.930/2.465 | 23/5,5 | 13,09/6,54 | 99 | **3.060,20** |
| 274361298 | JFC 355/H T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.400/3.200 | 38/10 | 16,99/8,5 | 103 | **3.585,30** |
| 274360298 | JFC 355/H T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.480/3.240 | 39/10 | 17,2/8,6 | 101 | **3.544,60** |
| 274401298 | JFC 400 T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 7.740/3.870 | 44/11 | 16,86/8,43 | 125 | **3.787,20** |
| 274400298 | JFC 400 T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.050/4.025 | 48/12 | 17,53/8,77 | 121 | **3.746,30** |
| 274411298 | JFC 400/H T2/T4 RE F400 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 8.850/4.425 | 58/14 | 19,27/9,64 | 128 | **4.292,50** |
| 274410298 | JFC 400/H T2/T4 UN F400 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 8.690/4.345 | 56/14 | 18,92/9,46 | 128 | **4.330,60** |

# SYBILO



ErP Exempt

60 +info Hz

CE 0370 **SYBILO F300** Nº Certificación: **0370-CPR-2257**

CE 0370 **SYBILO F400** Nº Certificación: **0370-CPR-2732**

## CENTRIFUGAL JET FAN

**MANUFACTURING FEATURES**

Centrifugal powerful jet fan with low profile conceived for car park, working inside the hazardous area and remove wide air volume. It is 400ºC/2h and 300ºC/2h (also available comfort version)

FAN
- Galvanized steel sheet casing.
- Strong backward impeller made of strong galvanized steel sheet.
- External wiring box.
- Inlet protection.
- Support included.

MOTOR
- Class H insulation, S1 continuous use and S2 emergency use, with bearing balls, IP-55 protection, 2 speeds.
- 400V 4/8 pole Dalhander three phase motor.
- Maximum air temperature to be moved:
- S1 -> -20ºC + 60ºC.
- S2 -> 400ºC/2h (F400), 300ºC/2h (F300).

## VENTILADOR DE IMPULSO CENTRÍFUGO (JET FAN)

**CARACTERÍSTICAS CONSTRUCTIVAS**

Ventiladores centrífugos de impulso de gran alcance y bajo perfil para trabajar dentro de la zona de riesgo moviendo grandes volúmenes de aire en parkings 400ºC 2h y 300ºC 2h (disponible también en versión confort).

VENTILADOR
- Envolvente en chapa de acero galvanizado.
- Turbina con álabes a reacción en chapa de acero galvanizado de gran robustez.
- Caja de conexiones exterior.
- Protección en la aspiración.
- Pies incluidos.

MOTOR
- Motor clase H, uso continuo S1 y uso de emergencia S2, con rodamientos de bolas, protección IP-55 de 2 velocidades.
- Trifásicos 400V 4/8 polos Dalhander.
- Temperatura máxima del aire a transportar:
- S1 -> -20ºC + 60ºC.
- S2 -> 400ºC/2h (F400), 300ºC/2h (F300).

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT 400** pg.515
Connexion flange.
Brida de connexión.

# SYBILO CONFORT

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | P.V.P € |
| 275500186STD | SYBILO 50N | 1420/710 | 2,71/1,14 | 1,1/0,18 | 5.800/2.900 | 50 | 75/59 | 83 | **2.334,00** |
| 275750186STD | SYBILO 75N | 1430/715 | 5,6/1,8 | 2,2/0,37 | 8.300/4.150 | 75 | 77/61 | 130 | **3.142,50** |
| 275100186STD | SYBILO 100N | 1430/715 | 5,6/1,8 | 2,2/0,37 | 9.200/4.600 | 100 | 78/63 | 130 | **3.182,70** |

# SYBILO F300 - 300ºC/2H

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | P.V.P € |
| 275500186 | SYBILO 50N F300 | 1420/710 | 2,71/1,14 | 1,1/0,18 | 5.800/2.900 | 50 | 75/59 | 83 | **2.948,20** |
| 275750186 | SYBILO 75N F300 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 8.300/4.150 | 75 | 77/61 | 130 | **3.720,40** |
| 275100186 | SYBILO 100N F300 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 9.200/4.600 | 100 | 78/63 | 130 | **3.789,00** |

# SYBILO F400 - 400ºC/2H

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | P.V.P € |
| 275500196 | SYBILO 50N F400 | 1420/710 | 2,71/1,14 | 1,1/0,18 | 5.800/2.900 | 50 | 75/59 | 83 | **3.630,50** |
| 275750196 | SYBILO 75N F400 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 8.300/4.150 | 75 | 77/61 | 130 | **4.806,90** |
| 275100196 | SYBILO 100N F400 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 9.200/4.600 | 100 | 78/63 | 130 | **4.851,40** |

# SYBILO-S EEC



50 & 60 Hz

ErP

EEC PM motors

## CENTRIFUGAL JET FAN

### MANUFACTURING FEATURES

- Low profile jet fan for comfort use.
- Galvanized steel sheet casing.
- Self-cleaning impeller with back curved (backward) blades of high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibration. Aluminium plate impeller. High efficiency (IE5), low noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply. IP44 motor and class B insulation.

### APPLICATIONS

- Impulse ventilation in premises.
- Working temperature range from -20°C to 60°C.

## VENTILADOR DE IMPULSO CENTRÍFUGO (JET FAN)

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de impulso de bajo perfil para confort.
- Envolvente de chapa de acero galvanizado.
- Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de chapa de aluminio.
- Motor EC de rotor exterior de alta eficiencia (IE5) y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz. Motor IP44 y aislamiento clase B.

### APLICACIONES

- Ventilación por impulsos en recintos.
- Rango de temperatura de trabajo de -20°C a 60°C.

## ACCESSORIES | ACCESORIOS



**INT** pg.515

Safety switch.
Interruptor de corte.



**REGC** pg.512

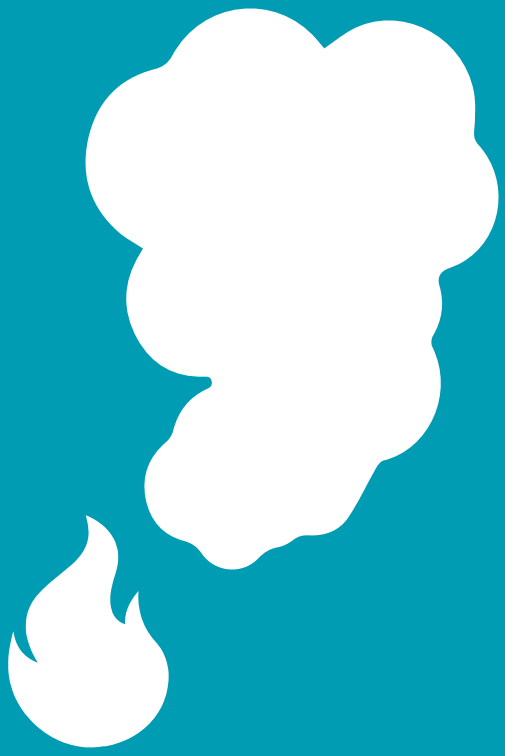
Speed controller for EEC motors.
Regulador de velocidad para motores EEC.

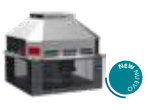
| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Sound dB(A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 230V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | P.V.P € |
| SYBSEC18N | SYBILO-S 18N EEC | 2500 | 2x1 | 2x0,15 | 2500 | 18 | 51 | 28 | **1.321,60** |



# º Smoke exhaust

# º Desenfumaje



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  HBF F400 |  HBFX F400 |  HBF F300 |  HBFX F300 |  HCF F400 |  HCFX F400 |  HCF F300 |  HCFX F300 |  HMF F400 |  HMFX F400 |
|  HMF F300 |  HMFX F300 |  JFC (CORE) |  BOX HBF F400 |  BOX HBFX F400 |  BOX HBF F300 |  BOX HBFX F300 |  IGNÉO F400 |  BOX RLF F400 |  BOX RLFX F400 |
|  CTH3-A F400 |  KENTALROOF F400 |  KENTALROOF-A F400 |  BVFC F400 |  DHUMAT F400 |  BOX BSTB F400 | | | | |

# HBF & HBFX F400



HBF



HBFX

CE 0370
HBF/HBFX F400
Certification:
0370-CPR-0914

60 +info Hz

## AXIAL FAN 400ºC/2H & ATEX

### MANUFACTURING FEATURES

- Axial fan with circular reinforced frame.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of polyester resin.

HBF F400

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HBFX F400

- Protection ring made of aluminium.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- B Form impeller (air flow from impeller to motor).
- 100% reversible impeller.

## VENTILADOR HELICOIDAL 400ºC/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio con nervio intermedio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.

HBF F400

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HBFX F400

- Anillo de protección en aluminio.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**MC HB** pg.483
Square mounting frame.
Marco soporte cuadrado.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.

# HBF F400

## HBF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.771,20 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.842,20 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.884,00 | 2.022,20 | 2.238,10 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.949,10 | 2.087,30 | 2.303,20 | 2.530,60 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.014,80 | 2.153,00 | 2.368,90 | 2.596,30 | 2.843,60 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.687,30 | 2.934,60 | 3.111,30 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 4.073,00 | 4.249,70 | 4.973,90 | 5.327,10 | 6.573,00 | 7.583,30 | | | | | |
| 90 T4 (A3:8) | | | | | 4.451,60 | 4.628,30 | 5.352,50 | 5.705,70 | 6.951,60 | 7.961,90 | | | | | |
| 100 T4 (A3:4) | | | | | | | 5.176,40 | 5.529,60 | 6.775,50 | 7.785,80 | 8.854,50 | 9.618,90 | | | |
| 100 T4 (A3:8) | | | | | | | 5.555,20 | 5.908,40 | 7.154,30 | 8.164,60 | 9.233,30 | 9.997,70 | | | |
| 112 T4 (A3:4) | | | | | | | | 6.226,40 | 7.472,30 | 8.482,60 | 9.551,30 | 10.315,70 | 12.427,00 | 14.428,30 | |
| 112 T4 (A3:8) | | | | | | | | 6.605,00 | 7.850,90 | 8.861,20 | 9.929,90 | 10.694,30 | 12.805,60 | 14.806,90 | |
| 125 T4 (A3:4) | | | | | | | | | 7.712,50 | 8.722,80 | 9.791,50 | 10.555,90 | 12.667,20 | 14.668,50 | 15.659,50 |
| 125 T4 (A3:8) | | | | | | | | | 8.091,10 | 9.101,40 | 10.170,10 | 10.934,50 | 13.045,80 | 15.047,10 | 16.038,10 |

### HBF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.057,10 | | | | | | | | | |
| 50 T6 (A5:6) | 2.128,10 | | | | | | | | | |
| 56 T6 (A5:6) | 2.169,90 | | | | | | | | | |
| 63 T6 (A5:6) | 2.235,00 | | | | | | | | | |
| 71 T6 (A5:6) | 2.300,70 | | | | | | | | | |
| 80 T6 (A5:6) | 2.391,70 | 2.478,30 | 2.875,00 | 2.979,80 | | | | | | |
| 90 T6 (A3:4) | | | 4.013,40 | 4.118,20 | 4.723,80 | 4.819,40 | 5.433,00 | | | |
| 90 T6 (A3:8) | | | 4.392,00 | 4.496,80 | 5.102,40 | 5.198,00 | 5.811,60 | | | |
| 100 T6 (A3:4) | | | | | 4.926,30 | 5.021,90 | 5.635,50 | 7.353,00 | | |
| 100 T6 (A3:8) | | | | | 5.305,10 | 5.400,70 | 6.014,30 | 7.731,80 | | |
| 112 T6 (A3:4) | | | | | 5.623,10 | 5.718,70 | 6.332,30 | 8.049,80 | 8.958,40 | |
| 112 T6 (A3:8) | | | | | 6.001,70 | 6.097,30 | 6.710,90 | 8.428,40 | 9.337,00 | |
| 125 T6 (A3:4) | | | | | 5.863,30 | 5.958,90 | 6.572,50 | 8.290,00 | 9.198,60 | 10.364,40 |
| 125 T6 (A3:8) | | | | | 6.241,90 | 6.337,50 | 6.951,10 | 8.668,60 | 9.577,20 | 10.743,00 |

### HBF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 1.754,60 | 2.128,90 | 2.314,90 | 2.373,30 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.825,60 | 2.199,90 | 2.385,90 | 2.444,30 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.867,40 | 2.241,70 | 2.427,70 | 2.486,10 | 2.602,60 | 3.023,80 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.932,50 | 2.306,80 | 2.492,80 | 2.551,20 | 2.667,70 | 3.088,90 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.998,20 | 2.372,50 | 2.558,50 | 2.616,90 | 2.733,40 | 3.154,60 | 3.271,20 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 2.649,50 | 2.707,90 | 2.824,40 | 3.245,60 | 3.362,20 | 4.119,80 | 4.871,20 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 4.384,00 | 4.500,60 | 5.258,20 | 6.009,60 | 6.786,70 | 8.516,00 | 10.091,30 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 5.636,80 | 6.388,20 | 7.165,30 | 8.894,60 | 10.469,90 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 5.460,70 | 6.212,10 | 6.989,20 | 8.718,50 | 10.293,80 | 10.620,80 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 5.839,50 | 6.590,90 | 7.368,00 | 9.097,30 | 10.672,60 | 10.999,60 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 6.157,50 | 6.908,90 | 7.686,00 | 9.415,30 | 10.990,60 | 11.317,60 | 14.039,30 | 16.071,70 | 19.948,50 | |
| 112 T4/T8 (A3:8) | | | | | | | | 6.536,10 | 7.287,50 | 8.064,60 | 9.793,90 | 11.369,20 | 11.696,20 | 14.417,90 | 16.450,30 | 20.327,10 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 7.149,10 | 7.926,20 | 9.655,50 | 11.230,80 | 11.557,80 | 14.279,50 | 16.311,90 | 20.188,70 | 22.042,10 |
| 125 T4/T8 (A3:8) | | | | | | | | | 7.527,70 | 8.304,80 | 10.034,10 | 11.609,40 | 11.936,40 | 14.658,10 | 16.690,50 | 20.567,30 | 22.420,70 |

# HBFX F400

### HBFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.791,80 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.869,80 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.915,80 | 2.054,00 | 2.269,90 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.987,40 | 2.125,60 | 2.341,50 | 2.568,90 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.059,70 | 2.197,90 | 2.413,80 | 2.641,20 | 2.888,50 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.741,40 | 2.988,70 | 3.165,40 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 4.149,40 | 4.326,10 | 5.050,30 | 5.403,50 | 6.649,40 | 7.659,70 | | | | | |
| 90 T4 (A3:8) | | | | | 4.528,00 | 4.704,70 | 5.428,90 | 5.782,10 | 7.028,00 | 8.038,30 | | | | | |
| 100 T4 (A3:4) | | | | | | | 5.273,10 | 5.626,30 | 6.872,20 | 7.882,50 | 8.951,20 | 9.715,60 | | | |
| 100 T4 (A3:8) | | | | | | | 5.651,70 | 6.004,90 | 7.250,80 | 8.261,10 | 9.329,80 | 10.094,20 | | | |
| 112 T4 (A3:4) | | | | | | | | 6.392,70 | 7.638,60 | 8.648,90 | 9.717,60 | 10.482,00 | 12.593,30 | 14.594,60 | |
| 112 T4 (A3:8) | | | | | | | | 6.771,50 | 8.017,40 | 9.027,70 | 10.096,40 | 10.860,80 | 12.972,10 | 14.973,40 | |
| 125 T4 (A3:4) | | | | | | | | | 7.902,80 | 8.913,10 | 9.981,80 | 10.746,20 | 12.857,50 | 14.858,80 | 15.849,80 |
| 125 T4 (A3:8) | | | | | | | | | 8.281,60 | 9.291,90 | 10.360,60 | 11.125,00 | 13.236,30 | 15.237,60 | 16.228,60 |

## HBFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.077,70 | | | | | | | | | |
| 50 T6 (A5:6) | 2.155,70 | | | | | | | | | |
| 56 T6 (A5:6) | 2.201,70 | | | | | | | | | |
| 63 T6 (A5:6) | 2.273,30 | | | | | | | | | |
| 71 T6 (A5:6) | 2.345,60 | | | | | | | | | |
| 80 T6 (A5:6) | 2.445,80 | 2.532,40 | 2.929,10 | 3.033,90 | | | | | | |
| 90 T6 (A3:4) | | | 4.089,80 | 4.194,60 | 4.800,20 | 4.895,80 | 5.509,40 | | | |
| 90 T6 (A3:8) | | | 4.468,40 | 4.573,20 | 5.178,80 | 5.274,40 | 5.888,00 | | | |
| 100 T6 (A3:4) | | | | | 5.023,00 | 5.118,60 | 5.732,20 | 7.449,70 | | |
| 100 T6 (A3:8) | | | | | 5.401,60 | 5.497,20 | 6.110,80 | 7.828,30 | | |
| 112 T6 (A3:4) | | | | | 5.789,40 | 5.885,00 | 6.498,60 | 8.216,10 | 9.124,70 | |
| 112 T6 (A3:8) | | | | | 6.168,20 | 6.263,80 | 6.877,40 | 8.594,90 | 9.503,50 | |
| 125 T6 (A3:4) | | | | | 6.053,60 | 6.149,20 | 6.762,80 | 8.480,30 | 9.388,90 | 10.554,70 |
| 125 T6 (A3:8) | | | | | 6.432,40 | 6.528,00 | 7.141,60 | 8.859,10 | 9.767,70 | 10.933,50 |

## HBFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 1.775,20 | 2.149,50 | 2.335,50 | 2.393,90 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.853,20 | 2.227,50 | 2.413,50 | 2.471,90 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.899,20 | 2.273,50 | 2.459,50 | 2.517,90 | 2.634,40 | 3.055,60 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.970,80 | 2.345,10 | 2.531,10 | 2.589,50 | 2.706,00 | 3.127,20 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.043,10 | 2.417,40 | 2.603,40 | 2.661,80 | 2.778,30 | 3.199,50 | 3.316,10 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 2.703,60 | 2.762,00 | 2.878,50 | 3.299,70 | 3.416,30 | 4.173,90 | 4.925,30 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 4.460,40 | 4.577,00 | 5.334,60 | 6.086,00 | 6.863,10 | 8.592,40 | 10.167,70 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 5.713,20 | 6.464,60 | 7.241,70 | 8.971,00 | 10.546,30 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 5.557,40 | 6.308,80 | 7.085,90 | 8.815,20 | 10.390,50 | 10.717,50 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 5.936,00 | 6.687,40 | 7.464,50 | 9.193,80 | 10.769,10 | 11.096,10 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 6.323,80 | 7.075,20 | 7.852,30 | 9.581,60 | 11.156,90 | 11.483,90 | 14.205,60 | 16.238,00 | 20.114,80 | |
| 112 T4/T8 (A3:8) | | | | | | | | 6.702,60 | 7.454,00 | 8.231,10 | 9.960,40 | 11.535,70 | 11.862,70 | 14.584,40 | 16.616,80 | 20.493,60 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 7.339,40 | 8.116,50 | 9.845,80 | 11.421,10 | 11.748,10 | 14.469,80 | 16.502,20 | 20.379,00 | 22.232,40 |
| 125 T4/T8 (A3:8) | | | | | | | | | 7.718,20 | 8.495,30 | 10.224,60 | 11.799,90 | 12.126,90 | 14.848,60 | 16.881,00 | 20.757,80 | 22.611,20 |



# HBF & HBFX F300



HBF



HBFX

CE 0370
HBF/HBFX F300
Certification:
0370-CPR-2402

60 +info Hz

## AXIAL FAN 300ºC/2H & ATEX

### MANUFACTURING FEATURES

- Axial fan with circular reinforced frame.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of polyester resin.

HBF F300

- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 300ºC/2h. Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HBFX F300

- Protection ring made of aluminium.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 300ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc . Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- B Form impeller (air flow from impeller to motor).
- 100% reversible impeller.

## VENTILADOR HELICOIDAL 300ºC/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio con nervio intermedio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.

HBF F300

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 300ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HBFX F300

- Anillo de protección en aluminio.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 300ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**MC HB** pg.483
Square mounting frame.
Marco soporte cuadrado.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.

# HBF F300

## HBF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.156,90 | 1.161,20 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.251,50 | 1.255,80 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.227,90 | 1.232,20 | 1.249,10 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.322,50 | 1.326,80 | 1.343,70 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.269,70 | 1.274,00 | 1.290,90 | 1.334,40 | 1.673,20 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.364,20 | 1.368,50 | 1.385,40 | 1.428,90 | 1.767,70 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.334,70 | 1.339,00 | 1.355,90 | 1.399,40 | 1.738,20 | 1.954,20 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.429,30 | 1.433,60 | 1.450,50 | 1.494,00 | 1.832,80 | 2.048,80 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.404,80 | 1.421,70 | 1.465,20 | 1.804,00 | 2.020,00 | 2.252,60 | | | | | | | | | |
| 71 T4 (A2:9) | | 1.499,50 | 1.516,40 | 1.559,90 | 1.898,70 | 2.114,70 | 2.347,30 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.512,70 | 1.556,20 | 1.895,00 | 2.111,00 | 2.343,60 | 2.732,40 | 3.115,00 | | | | | | | |
| 80 T4 (A2:9) | | | 1.607,50 | 1.651,00 | 1.989,80 | 2.205,80 | 2.438,40 | 2.827,20 | 3.209,80 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 2.883,30 | 3.115,90 | 3.504,70 | 3.887,30 | 5.049,00 | 5.988,10 | | | | | |
| 90 T4 (A6:6) | | | | | | 3.197,10 | 3.429,70 | 3.818,50 | 4.201,10 | 5.362,80 | 6.301,90 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 3.707,20 | 4.089,80 | 5.251,50 | 6.190,60 | 6.967,80 | 7.673,80 | | | |
| 100 T4 (A6:6) | | | | | | | | 4.021,10 | 4.403,70 | 5.565,40 | 6.504,50 | 7.281,70 | 7.987,70 | | | |
| 112 T4 (A6:3) | | | | | | | | 4.404,00 | 4.786,60 | 5.948,30 | 6.887,40 | 7.664,60 | 8.370,60 | 10.119,40 | 11.343,50 | |
| 112 T4 (A6:6) | | | | | | | | 4.717,90 | 5.100,50 | 6.262,20 | 7.201,30 | 7.978,50 | 8.684,50 | 10.433,30 | 11.657,40 | |
| 125 T4 (A6:3) | | | | | | | | | 5.026,60 | 6.188,30 | 7.127,40 | 7.904,60 | 8.610,60 | 10.359,40 | 11.583,50 | 13.137,80 |
| 125 T4 (A6:6) | | | | | | | | | 5.340,70 | 6.502,40 | 7.441,50 | 8.218,70 | 8.924,70 | 10.673,50 | 11.897,60 | 13.451,90 |

## HBF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.236,90 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.331,50 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.307,90 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.402,50 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.349,70 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.444,20 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.414,70 | 1.591,60 | | | | | | | | | |
| 63 T6 (A2:9) | 1.509,30 | 1.686,20 | | | | | | | | | |
| 71 T6 (A2:6) | 1.480,50 | 1.657,40 | 1.711,50 | | | | | | | | |
| 71 T6 (A2:9) | 1.575,20 | 1.752,10 | 1.806,20 | | | | | | | | |
| 80 T6 (A2:6) | | 1.748,40 | 1.802,50 | 1.961,00 | 2.243,70 | | | | | | |
| 80 T6 (A2:9) | | 1.843,20 | 1.897,30 | 2.055,80 | 2.338,50 | | | | | | |
| 90 T6 (A6:3) | | | | 2.733,30 | 3.016,00 | 3.304,40 | 3.681,30 | | | | |
| 90 T6 (A6:6) | | | | 3.047,10 | 3.329,80 | 3.618,20 | 3.995,10 | | | | |
| 100 T6 (A6:3) | | | | | | 3.506,90 | 3.883,80 | 4.396,00 | 5.190,80 | | |
| 100 T6 (A6:6) | | | | | | 3.820,80 | 4.197,70 | 4.709,90 | 5.504,70 | | |
| 112 T6 (A6:3) | | | | | | 4.203,70 | 4.580,60 | 5.092,80 | 5.887,60 | 7.130,00 | |
| 112 T6 (A6:6) | | | | | | 4.517,60 | 4.894,50 | 5.406,70 | 6.201,50 | 7.443,90 | |
| 125 T6 (A6:3) | | | | | | 4.443,70 | 4.820,60 | 5.332,80 | 6.127,60 | 7.370,00 | 8.223,70 |
| 125 T6 (A6:6) | | | | | | 4.757,80 | 5.134,70 | 5.646,90 | 6.441,70 | 7.684,10 | 8.537,80 |

## HBF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.167,00 | 1.244,10 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.261,60 | 1.338,70 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.238,00 | 1.315,10 | 1.446,60 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.332,60 | 1.409,70 | 1.541,20 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.279,80 | 1.356,90 | 1.488,40 | 1.488,40 | 1.774,10 | 1.940,10 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.374,30 | 1.451,40 | 1.582,90 | 1.582,90 | 1.868,60 | 2.034,60 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.344,80 | 1.421,90 | 1.553,40 | 1.553,40 | 1.839,10 | 2.005,10 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.439,40 | 1.516,50 | 1.648,00 | 1.648,00 | 1.933,70 | 2.099,70 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.487,70 | 1.619,20 | 1.619,20 | 1.904,90 | 2.070,90 | 2.544,30 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.582,40 | 1.713,90 | 1.713,90 | 1.999,60 | 2.165,60 | 2.639,00 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.710,20 | 1.710,20 | 1.995,90 | 2.161,90 | 2.635,30 | 3.063,70 | 3.601,80 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.805,00 | 1.805,00 | 2.090,70 | 2.256,70 | 2.730,10 | 3.158,50 | 3.696,60 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 2.768,20 | 2.934,20 | 3.407,60 | 3.836,00 | 4.374,10 | 5.214,40 | 6.407,30 | 7.520,20 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 3.082,00 | 3.248,00 | 3.721,40 | 4.149,80 | 4.687,90 | 5.528,20 | 6.721,10 | 7.834,00 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 4.038,50 | 4.576,60 | 5.416,90 | 6.609,80 | 7.722,70 | 9.783,50 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 4.352,40 | 4.890,50 | 5.730,80 | 6.923,70 | 8.036,60 | 10.097,40 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 4.735,30 | 5.273,40 | 6.113,70 | 7.306,60 | 8.419,50 | 10.480,30 | 10.616,90 | 11.740,30 | 13.041,60 | |
| 112 T4/T8 (A6:6) | | | | | | | | 5.049,20 | 5.587,30 | 6.427,60 | 7.620,50 | 8.733,40 | 10.794,20 | 10.930,80 | 12.054,20 | 13.355,50 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 5.513,40 | 6.353,70 | 7.546,60 | 8.659,50 | 10.720,30 | 10.856,90 | 11.980,30 | 13.281,60 | 16.976,80 |
| 125 T4/T8 (A6:6) | | | | | | | | | 5.827,50 | 6.667,80 | 7.860,70 | 8.973,60 | 11.034,40 | 11.171,00 | 12.294,40 | 13.595,70 | 17.290,90 |

# HBFX F300

## HBFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.177,50 | 1.181,80 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.272,20 | 1.276,50 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.255,70 | 1.260,00 | 1.276,90 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.350,20 | 1.354,50 | 1.371,40 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.301,60 | 1.305,90 | 1.322,80 | 1.366,30 | 1.705,10 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.396,20 | 1.400,50 | 1.417,40 | 1.460,90 | 1.799,70 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.373,20 | 1.377,50 | 1.394,40 | 1.437,90 | 1.776,70 | 1.992,70 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.467,80 | 1.472,10 | 1.489,00 | 1.532,50 | 1.871,30 | 2.087,30 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.449,60 | 1.466,50 | 1.510,00 | 1.848,80 | 2.064,80 | 2.297,40 | | | | | | | | | |
| 71 T4 (A2:9) | | 1.544,40 | 1.561,30 | 1.604,80 | 1.943,60 | 2.159,60 | 2.392,20 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.566,80 | 1.610,30 | 1.949,10 | 2.165,10 | 2.397,70 | 2.786,50 | 3.169,10 | | | | | | | |
| 80 T4 (A2:9) | | | 1.661,50 | 1.705,00 | 2.043,80 | 2.259,80 | 2.492,40 | 2.881,20 | 3.263,80 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 2.959,80 | 3.192,40 | 3.581,20 | 3.963,80 | 5.125,50 | 6.064,60 | | | | | |
| 90 T4 (A6:6) | | | | | | 3.273,70 | 3.506,30 | 3.895,10 | 4.277,70 | 5.439,40 | 6.378,50 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 3.804,00 | 4.186,60 | 5.348,30 | 6.287,40 | 7.064,60 | 7.770,60 | | | |
| 100 T4 (A6:6) | | | | | | | | 4.117,80 | 4.500,40 | 5.662,10 | 6.601,20 | 7.378,40 | 8.084,40 | | | |
| 112 T4 (A6:3) | | | | | | | | 4.570,40 | 4.953,00 | 6.114,70 | 7.053,80 | 7.831,00 | 8.537,00 | 10.285,80 | 11.509,90 | |
| 112 T4 (A6:6) | | | | | | | | 4.884,30 | 5.266,90 | 6.428,60 | 7.367,70 | 8.144,90 | 8.850,90 | 10.599,70 | 11.823,80 | |
| 125 T4 (A6:3) | | | | | | | | | 5.217,10 | 6.378,80 | 7.317,90 | 8.095,10 | 8.801,10 | 10.549,90 | 11.774,00 | 13.328,30 |
| 125 T4 (A6:6) | | | | | | | | | 5.531,00 | 6.692,70 | 7.631,80 | 8.409,00 | 9.115,00 | 10.863,80 | 12.087,90 | 13.642,20 |

## HBFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.257,50 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.352,20 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.335,70 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.430,20 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.381,60 | 1.558,50 | | | | | | | | | |
| 56 T6 (A2:9) | 1.476,20 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.453,20 | 1.630,10 | | | | | | | | | |
| 63 T6 (A2:9) | 1.547,80 | 1.724,70 | | | | | | | | | |
| 71 T6 (A2:6) | 1.525,30 | 1.702,20 | 1.756,30 | | | | | | | | |
| 71 T6 (A2:9) | 1.620,10 | 1.797,00 | 1.851,10 | | | | | | | | |
| 80 T6 (A2:6) | | 1.802,50 | 1.856,60 | 2.015,10 | 2.297,80 | | | | | | |
| 80 T6 (A2:9) | | 1.897,20 | 1.951,30 | 2.109,80 | 2.392,50 | | | | | | |
| 90 T6 (A6:3) | | | | 2.809,80 | 3.092,50 | 3.380,90 | 3.757,80 | | | | |
| 90 T6 (A6:6) | | | | 3.123,70 | 3.406,40 | 3.694,80 | 4.071,70 | | | | |
| 100 T6 (A6:3) | | | | | | 3.603,70 | 3.980,60 | 4.492,80 | 5.287,60 | | |
| 100 T6 (A6:6) | | | | | | 3.917,50 | 4.294,40 | 4.806,60 | 5.601,40 | | |
| 112 T6 (A6:3) | | | | | | 4.370,10 | 4.747,00 | 5.259,20 | 6.054,00 | 7.296,40 | |
| 112 T6 (A6:6) | | | | | | 4.684,00 | 5.060,90 | 5.573,10 | 6.367,90 | 7.610,30 | |
| 125 T6 (A6:3) | | | | | | 4.634,20 | 5.011,10 | 5.523,30 | 6.318,10 | 7.560,50 | 8.414,20 |
| 125 T6 (A6:6) | | | | | | 4.948,10 | 5.325,00 | 5.837,20 | 6.632,00 | 7.874,40 | 8.728,10 |

## HBFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.187,60 | 1.264,70 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.282,30 | 1.359,40 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.265,80 | 1.342,90 | 1.474,40 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.360,30 | 1.437,40 | 1.568,90 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.311,70 | 1.388,80 | 1.520,30 | 1.520,30 | 1.806,00 | 1.972,00 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.406,30 | 1.483,40 | 1.614,90 | 1.614,90 | 1.900,60 | 2.066,60 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.383,30 | 1.460,40 | 1.591,90 | 1.591,90 | 1.877,60 | 2.043,60 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.477,90 | 1.555,00 | 1.686,50 | 1.686,50 | 1.972,20 | 2.138,20 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.532,50 | 1.664,00 | 1.664,00 | 1.949,70 | 2.115,70 | 2.589,10 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.627,30 | 1.758,80 | 1.758,80 | 2.044,50 | 2.210,50 | 2.683,90 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.764,30 | 1.764,30 | 2.050,00 | 2.216,00 | 2.689,40 | 3.117,80 | 3.655,90 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.859,00 | 1.859,00 | 2.144,70 | 2.310,70 | 2.784,10 | 3.212,50 | 3.750,60 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 2.844,70 | 3.010,70 | 3.484,10 | 3.912,50 | 4.450,60 | 5.290,90 | 6.483,80 | 7.596,70 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 3.158,60 | 3.324,60 | 3.798,00 | 4.226,40 | 4.764,50 | 5.604,80 | 6.797,70 | 7.910,60 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 4.135,30 | 4.673,40 | 5.513,70 | 6.706,60 | 7.819,50 | 9.880,30 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 4.449,10 | 4.987,20 | 5.827,50 | 7.020,40 | 8.133,30 | 10.194,10 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 4.901,70 | 5.439,80 | 6.280,10 | 7.473,00 | 8.585,90 | 10.646,70 | 10.783,30 | 11.906,70 | 13.208,00 | |
| 112 T4/T8 (A6:6) | | | | | | | | 5.215,60 | 5.753,70 | 6.594,00 | 7.786,90 | 8.899,80 | 10.960,60 | 11.097,20 | 12.220,60 | 13.521,90 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 5.703,90 | 6.544,20 | 7.737,10 | 8.850,00 | 10.910,80 | 11.047,40 | 12.170,80 | 13.472,10 | 17.167,30 |
| 125 T4/T8 (A6:6) | | | | | | | | | 6.017,80 | 6.858,10 | 8.051,00 | 9.163,90 | 11.224,70 | 11.361,30 | 12.484,70 | 13.786,00 | 17.481,20 |

# HCF & HCFX F400



HCF



HCFX

CE 0370 HCF/HCFX F400 Certification: 0370-CPR-1994

60 +Info Hz

## SHORT CASE AXIAL FAN ATEX & 400ºC/2H

### MANUFACTURING FEATURES

- Short cased reinforced fan manufactured in rolling steel sheet.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of polyester resin.

HCF F400

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HCFX F400

- Aluminum protection ring.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages:400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- B-form impeller (air from impeller to motor).
- 100% reversible impeller.
- Different polarities.

## HELICOIDAL TUBULAR CAMISA CORTA 400ºC/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de camisa corta y estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.

HCF F400

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HCFX F400

- Anillo de protección de aluminio.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.
- Distintas polaridades.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**AC** pg.479
Connexion flange.
Brida de connexión.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**PO** pg.473
Optional support.
Pie opcional.



**KIT-TM** pg.28
Roof kit for cased fans.
Kit tejado para ventiladores tubulares.

# HCF F400

## HCF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.787,20 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.865,90 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.907,30 | 2.045,50 | 2.261,40 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.971,80 | 2.110,00 | 2.325,90 | 2.553,30 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.078,20 | 2.216,40 | 2.432,30 | 2.659,70 | 2.907,00 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.745,10 | 2.992,40 | 3.169,10 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 4.126,30 | 4.303,00 | 5.027,20 | 5.380,40 | 6.626,30 | 7.636,60 | | | | | |
| 90 T4 (A3:8) | | | | | 4.504,90 | 4.681,60 | 5.405,80 | 5.759,00 | 7.004,90 | 8.015,20 | | | | | |
| 100 T4 (A3:4) | | | | | | | 5.248,10 | 5.601,30 | 6.847,20 | 7.857,50 | 8.926,20 | 9.690,60 | | | |
| 100 T4 (A3:8) | | | | | | | 5.626,70 | 5.979,90 | 7.225,80 | 8.236,10 | 9.304,80 | 10.069,20 | | | |
| 112 T4 (A3:4) | | | | | | | | 6.452,60 | 7.698,50 | 8.708,80 | 9.777,50 | 10.541,90 | 12.653,20 | 14.654,50 | |
| 112 T4 (A3:8) | | | | | | | | 6.831,20 | 8.077,10 | 9.087,40 | 10.156,10 | 10.920,50 | 13.031,80 | 15.033,10 | |
| 125 T4 (A3:4) | | | | | | | | | 7.965,00 | 8.975,30 | 10.044,00 | 10.808,40 | 12.919,70 | 14.921,00 | 15.912,00 |
| 125 T4 (A3:8) | | | | | | | | | 8.343,60 | 9.353,90 | 10.422,60 | 11.187,00 | 13.298,30 | 15.299,60 | 16.290,60 |

## HCF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.073,10 | | | | | | | | | |
| 50 T6 (A5:6) | 2.151,80 | | | | | | | | | |
| 56 T6 (A5:6) | 2.193,20 | | | | | | | | | |
| 63 T6 (A5:6) | 2.257,70 | | | | | | | | | |
| 71 T6 (A5:6) | 2.364,10 | | | | | | | | | |
| 80 T6 (A5:6) | 2.449,50 | 2.536,10 | 2.932,80 | 3.037,60 | | | | | | |
| 90 T6 (A3:4) | | | 4.066,70 | 4.171,50 | 4.777,10 | 4.872,70 | 5.486,30 | | | |
| 90 T6 (A3:8) | | | 4.445,30 | 4.550,10 | 5.155,70 | 5.251,30 | 5.864,90 | | | |
| 100 T6 (A3:4) | | | | | 4.998,00 | 5.093,60 | 5.707,20 | 7.424,70 | | |
| 100 T6 (A3:8) | | | | | 5.376,60 | 5.472,20 | 6.085,80 | 7.803,30 | | |
| 112 T6 (A3:4) | | | | | 5.849,30 | 5.944,90 | 6.558,50 | 8.276,00 | 9.184,60 | |
| 112 T6 (A3:8) | | | | | 6.227,90 | 6.323,50 | 6.937,10 | 8.654,60 | 9.563,20 | |
| 125 T6 (A3:4) | | | | | 6.115,80 | 6.211,40 | 6.825,00 | 8.542,50 | 9.451,10 | 10.616,90 |
| 125 T6 (A3:8) | | | | | 6.494,40 | 6.590,00 | 7.203,60 | 8.921,10 | 9.829,70 | 10.995,50 |

## HCF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 1.770,60 | 2.144,90 | 2.330,90 | 2.389,30 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.849,30 | 2.223,60 | 2.409,60 | 2.468,00 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.890,70 | 2.265,00 | 2.451,00 | 2.509,40 | 2.625,90 | 3.047,10 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.955,20 | 2.329,50 | 2.515,50 | 2.573,90 | 2.690,40 | 3.111,60 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.061,60 | 2.435,90 | 2.621,90 | 2.680,30 | 2.796,80 | 3.218,00 | 3.334,60 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 2.707,30 | 2.765,70 | 2.882,20 | 3.303,40 | 3.420,00 | 4.177,60 | 4.929,00 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 4.437,30 | 4.553,90 | 5.311,50 | 6.062,90 | 6.840,00 | 8.569,30 | 10.144,60 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 5.690,10 | 6.441,50 | 7.218,60 | 8.947,90 | 10.523,20 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 5.532,40 | 6.283,80 | 7.060,90 | 8.790,20 | 10.365,50 | 10.692,50 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 5.911,00 | 6.662,40 | 7.439,50 | 9.168,80 | 10.744,10 | 11.071,10 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 6.383,70 | 7.135,10 | 7.912,20 | 9.641,50 | 11.216,80 | 11.543,80 | 14.265,50 | 16.297,90 | 20.174,70 | |
| 112 T4/T8 (A3:8) | | | | | | | | 6.762,30 | 7.513,70 | 8.290,80 | 10.020,10 | 11.595,40 | 11.922,40 | 14.644,10 | 16.676,50 | 20.553,30 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 7.401,60 | 8.178,70 | 9.908,00 | 11.483,30 | 11.810,30 | 14.532,00 | 16.564,40 | 20.441,20 | 22.294,60 |
| 125 T4/T8 (A3:8) | | | | | | | | | 7.780,20 | 8.557,30 | 10.286,60 | 11.861,90 | 12.188,90 | 14.910,60 | 16.943,00 | 20.819,80 | 22.673,20 |

# HCFX F400

## HCFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.809,40 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.896,10 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.941,40 | 2.079,60 | 2.295,50 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 2.012,60 | 2.150,80 | 2.366,70 | 2.594,10 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.129,60 | 2.267,80 | 2.483,70 | 2.711,10 | 2.958,40 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.805,00 | 3.052,30 | 3.229,00 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 4.208,20 | 4.384,90 | 5.109,10 | 5.462,30 | 6.708,20 | 7.718,50 | | | | | |
| 90 T4 (A3:8) | | | | | 4.586,80 | 4.763,50 | 5.487,70 | 5.840,90 | 7.086,80 | 8.097,10 | | | | | |
| 100 T4 (A3:4) | | | | | | | 5.352,10 | 5.705,30 | 6.951,20 | 7.961,50 | 9.030,20 | 9.794,60 | | | |
| 100 T4 (A3:8) | | | | | | | 5.730,70 | 6.083,90 | 7.329,80 | 8.340,10 | 9.408,80 | 10.173,20 | | | |
| 112 T4 (A3:4) | | | | | | | | 6.641,60 | 7.887,50 | 8.897,80 | 9.966,50 | 10.730,90 | 12.842,20 | 14.843,50 | |
| 112 T4 (A3:8) | | | | | | | | 7.020,30 | 8.266,20 | 9.276,50 | 10.345,20 | 11.109,60 | 13.220,90 | 15.222,20 | |
| 125 T4 (A3:4) | | | | | | | | | 8.180,60 | 9.190,90 | 10.259,60 | 11.024,00 | 13.135,30 | 15.136,60 | 16.127,60 |
| 125 T4 (A3:8) | | | | | | | | | 8.559,20 | 9.569,50 | 10.638,20 | 11.402,60 | 13.513,90 | 15.515,20 | 16.506,20 |

## HCFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.095,30 | | | | | | | | | |
| 50 T6 (A5:6) | 2.182,00 | | | | | | | | | |
| 56 T6 (A5:6) | 2.227,30 | | | | | | | | | |
| 63 T6 (A5:6) | 2.298,50 | | | | | | | | | |
| 71 T6 (A5:6) | 2.415,50 | | | | | | | | | |
| 80 T6 (A5:6) | 2.509,40 | 2.596,00 | 2.992,70 | 3.097,50 | | | | | | |
| 90 T6 (A3:4) | | | 4.148,60 | 4.253,40 | 4.859,00 | 4.954,60 | 5.568,20 | | | |
| 90 T6 (A3:8) | | | 4.527,20 | 4.632,00 | 5.237,60 | 5.333,20 | 5.946,80 | | | |
| 100 T6 (A3:4) | | | | | 5.102,00 | 5.197,60 | 5.811,20 | 7.528,70 | | |
| 100 T6 (A3:8) | | | | | 5.480,60 | 5.576,20 | 6.189,80 | 7.907,30 | | |
| 112 T6 (A3:4) | | | | | 6.038,30 | 6.133,90 | 6.747,50 | 8.465,00 | 9.373,60 | |
| 112 T6 (A3:8) | | | | | 6.417,00 | 6.512,60 | 7.126,20 | 8.843,70 | 9.752,30 | |
| 125 T6 (A3:4) | | | | | 6.331,40 | 6.427,00 | 7.040,60 | 8.758,10 | 9.666,70 | 10.832,50 |
| 125 T6 (A3:8) | | | | | 6.710,00 | 6.805,60 | 7.419,20 | 9.136,70 | 10.045,30 | 11.211,10 |

## HCFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 1.792,80 | 2.167,10 | 2.353,10 | 2.411,50 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.879,50 | 2.253,80 | 2.439,80 | 2.498,20 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.924,80 | 2.299,10 | 2.485,10 | 2.543,50 | 2.660,00 | 3.081,20 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.996,00 | 2.370,30 | 2.556,30 | 2.614,70 | 2.731,20 | 3.152,40 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.113,00 | 2.487,30 | 2.673,30 | 2.731,70 | 2.848,20 | 3.269,40 | 3.386,00 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 2.767,20 | 2.825,60 | 2.942,10 | 3.363,30 | 3.479,90 | 4.237,50 | 4.988,90 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 4.519,20 | 4.635,80 | 5.393,40 | 6.144,80 | 6.921,90 | 8.651,20 | 10.226,50 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 5.772,00 | 6.523,40 | 7.300,50 | 9.029,80 | 10.605,10 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 5.636,40 | 6.387,80 | 7.164,90 | 8.894,20 | 10.469,50 | 10.796,50 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 6.015,00 | 6.766,40 | 7.543,50 | 9.272,80 | 10.848,10 | 11.175,10 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 6.572,70 | 7.324,10 | 8.101,20 | 9.830,50 | 11.405,80 | 11.732,80 | 14.454,50 | 16.486,90 | 20.363,70 | |
| 112 T4/T8 (A3:8) | | | | | | | | 6.951,40 | 7.702,80 | 8.479,90 | 10.209,20 | 11.784,50 | 12.111,50 | 14.833,20 | 16.865,60 | 20.742,40 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 7.617,20 | 8.394,30 | 10.123,60 | 11.698,90 | 12.025,90 | 14.747,60 | 16.780,00 | 20.656,80 | 22.510,20 |
| 125 T4/T8 (A3:8) | | | | | | | | | 7.995,80 | 8.772,90 | 10.502,20 | 12.077,50 | 12.404,50 | 15.126,20 | 17.158,60 | 21.035,40 | 22.888,80 |

# HCF & HCFX F300



HCF



HCFX

CE 0370 HCF/HCFX F300
Certification: 0370-CPR-2403

60 +info Hz

## SHORT CASE AXIAL ATEX FAN 300ºC/2H & ATEX

### MANUFACTURING FEATURES

- Short cased reinforced fan manufactured in rolling steel sheet.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of polyester resin.

HCF F300

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HCFX F300

- Aluminum protection ring.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages:400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- B-form impeller (air from impeller to motor).
- 100% reversible impeller.
- Different polarities.

## HELICOIDAL TUBULAR DE CAMISA CORTA 300ºC/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de camisa corta y estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.

HCF F300

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HCFX F300

- Anillo de protección de aluminio.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.
- Distintas polaridades.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**INT** pg.515
Safety switch.
Interruptor de corte.



**AC** pg.479
Connexion flange.
Brida de connexión.



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.

# HCF F300

## HCF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.172,90 | 1.177,20 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.267,50 | 1.271,80 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.251,70 | 1.256,00 | 1.272,90 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.346,30 | 1.350,60 | 1.367,50 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.293,00 | 1.297,30 | 1.314,20 | 1.357,70 | 1.696,50 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.387,60 | 1.391,90 | 1.408,80 | 1.452,30 | 1.791,10 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.357,60 | 1.361,90 | 1.378,80 | 1.422,30 | 1.761,10 | 1.977,10 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.452,20 | 1.456,50 | 1.473,40 | 1.516,90 | 1.855,70 | 2.071,70 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.468,30 | 1.485,20 | 1.528,70 | 1.867,50 | 2.083,50 | 2.316,10 | | | | | | | | | |
| 71 T4 (A2:9) | | 1.563,00 | 1.579,90 | 1.623,40 | 1.962,20 | 2.178,20 | 2.410,80 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.570,50 | 1.614,00 | 1.952,80 | 2.168,80 | 2.401,40 | 2.790,20 | 3.172,80 | | | | | | | |
| 80 T4 (A2:9) | | | 1.665,20 | 1.708,70 | 2.047,50 | 2.263,50 | 2.496,10 | 2.884,90 | 3.267,50 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 2.936,60 | 3.169,20 | 3.558,00 | 3.940,60 | 5.102,30 | 6.041,40 | | | | | |
| 90 T4 (A6:6) | | | | | | 3.250,50 | 3.483,10 | 3.871,90 | 4.254,50 | 5.416,20 | 6.355,30 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 3.778,90 | 4.161,50 | 5.323,20 | 6.262,30 | 7.039,50 | 7.745,50 | | | |
| 100 T4 (A6:6) | | | | | | | | 4.092,70 | 4.475,30 | 5.637,00 | 6.576,10 | 7.353,30 | 8.059,30 | | | |
| 112 T4 (A6:3) | | | | | | | | 4.630,20 | 5.012,80 | 6.174,50 | 7.113,60 | 7.890,80 | 8.596,80 | 10.345,60 | 11.569,70 | |
| 112 T4 (A6:6) | | | | | | | | 4.944,20 | 5.326,80 | 6.488,50 | 7.427,60 | 8.204,80 | 8.910,80 | 10.659,60 | 11.883,70 | |
| 125 T4 (A6:3) | | | | | | | | | 5.279,10 | 6.440,80 | 7.379,90 | 8.157,10 | 8.863,10 | 10.611,90 | 11.836,00 | 13.390,30 |
| 125 T4 (A6:6) | | | | | | | | | 5.593,00 | 6.754,70 | 7.693,80 | 8.471,00 | 9.177,00 | 10.925,80 | 12.149,90 | 13.704,20 |

## HCF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.252,90 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.347,50 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.331,70 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.426,30 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.373,00 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.467,60 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.437,60 | 1.614,50 | | | | | | | | | |
| 63 T6 (A2:9) | 1.532,20 | 1.709,10 | | | | | | | | | |
| 71 T6 (A2:6) | 1.544,00 | 1.720,90 | 1.775,00 | | | | | | | | |
| 71 T6 (A2:9) | 1.638,70 | 1.815,60 | 1.869,70 | | | | | | | | |
| 80 T6 (A2:6) | | 1.806,20 | 1.860,30 | 2.018,80 | 2.301,50 | | | | | | |
| 80 T6 (A2:9) | | 1.900,90 | 1.955,00 | 2.113,50 | 2.396,20 | | | | | | |
| 90 T6 (A6:3) | | | | 2.786,60 | 3.069,30 | 3.357,70 | 3.734,60 | | | | |
| 90 T6 (A6:6) | | | | 3.100,50 | 3.383,20 | 3.671,60 | 4.048,50 | | | | |
| 100 T6 (A6:3) | | | | | | 3.578,60 | 3.955,50 | 4.467,70 | 5.262,50 | | |
| 100 T6 (A6:6) | | | | | | 3.892,40 | 4.269,30 | 4.781,50 | 5.576,30 | | |
| 112 T6 (A6:3) | | | | | | 4.429,90 | 4.806,80 | 5.319,00 | 6.113,80 | 7.356,20 | |
| 112 T6 (A6:6) | | | | | | 4.743,90 | 5.120,80 | 5.633,00 | 6.427,80 | 7.670,20 | |
| 125 T6 (A6:3) | | | | | | 4.696,20 | 5.073,10 | 5.585,30 | 6.380,10 | 7.622,50 | 8.476,20 |
| 125 T6 (A6:6) | | | | | | 5.010,10 | 5.387,00 | 5.899,20 | 6.694,00 | 7.936,40 | 8.790,10 |

## HCF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.183,00 | 1.260,10 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.277,60 | 1.354,70 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.261,80 | 1.338,90 | 1.470,40 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.356,40 | 1.433,50 | 1.565,00 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.303,10 | 1.380,20 | 1.511,70 | 1.511,70 | 1.797,40 | 1.963,40 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.397,70 | 1.474,80 | 1.606,30 | 1.606,30 | 1.892,00 | 2.058,00 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.367,70 | 1.444,80 | 1.576,30 | 1.576,30 | 1.862,00 | 2.028,00 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.462,30 | 1.539,40 | 1.670,90 | 1.670,90 | 1.956,60 | 2.122,60 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.551,20 | 1.682,70 | 1.682,70 | 1.968,40 | 2.134,40 | 2.607,80 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.645,90 | 1.777,40 | 1.777,40 | 2.063,10 | 2.229,10 | 2.702,50 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.768,00 | 1.768,00 | 2.053,70 | 2.219,70 | 2.693,10 | 3.121,50 | 3.659,60 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.862,70 | 1.862,70 | 2.148,40 | 2.314,40 | 2.787,80 | 3.216,20 | 3.754,30 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 2.821,50 | 2.987,50 | 3.460,90 | 3.889,30 | 4.427,40 | 5.267,70 | 6.460,60 | 7.573,50 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 3.135,40 | 3.301,40 | 3.774,80 | 4.203,20 | 4.741,30 | 5.581,60 | 6.774,50 | 7.887,40 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 4.110,20 | 4.648,30 | 5.488,60 | 6.681,50 | 7.794,40 | 9.855,20 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 4.424,00 | 4.962,10 | 5.802,40 | 6.995,30 | 8.108,20 | 10.169,00 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 4.961,50 | 5.499,60 | 6.339,90 | 7.532,80 | 8.645,70 | 10.706,50 | 10.843,10 | 11.966,50 | 13.267,80 | |
| 112 T4/T8 (A6:6) | | | | | | | | 5.275,50 | 5.813,60 | 6.653,90 | 7.846,80 | 8.959,70 | 11.020,50 | 11.157,10 | 12.280,50 | 13.581,80 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 5.765,90 | 6.606,20 | 7.799,10 | 8.912,00 | 10.972,80 | 11.109,40 | 12.232,80 | 13.534,10 | 17.229,30 |
| 125 T4/T8 (A6:6) | | | | | | | | | 6.079,80 | 6.920,10 | 8.113,00 | 9.225,90 | 11.286,70 | 11.423,30 | 12.546,70 | 13.848,00 | 17.543,20 |

# HCFX F300

## HCFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.195,00 | 1.199,30 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.289,70 | 1.294,00 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.281,80 | 1.286,10 | 1.303,00 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.376,50 | 1.380,80 | 1.397,70 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.327,00 | 1.331,30 | 1.348,20 | 1.391,70 | 1.730,50 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.421,80 | 1.426,10 | 1.443,00 | 1.486,50 | 1.825,30 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.398,20 | 1.402,50 | 1.419,40 | 1.462,90 | 1.801,70 | 2.017,70 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.492,90 | 1.497,20 | 1.514,10 | 1.557,60 | 1.896,40 | 2.112,40 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.519,50 | 1.536,40 | 1.579,90 | 1.918,70 | 2.134,70 | 2.367,30 | | | | | | | | | |
| 71 T4 (A2:9) | | 1.614,20 | 1.631,10 | 1.674,60 | 2.013,40 | 2.229,40 | 2.462,00 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.630,40 | 1.673,90 | 2.012,70 | 2.228,70 | 2.461,30 | 2.850,10 | 3.232,70 | | | | | | | |
| 80 T4 (A2:9) | | | 1.725,10 | 1.768,60 | 2.107,40 | 2.323,40 | 2.556,00 | 2.944,80 | 3.327,40 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 3.018,40 | 3.251,00 | 3.639,80 | 4.022,40 | 5.184,10 | 6.123,20 | | | | | |
| 90 T4 (A6:6) | | | | | | 3.332,20 | 3.564,80 | 3.953,60 | 4.336,20 | 5.497,90 | 6.437,00 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 3.882,70 | 4.265,30 | 5.427,00 | 6.366,10 | 7.143,30 | 7.849,30 | | | |
| 100 T4 (A6:6) | | | | | | | | 4.196,70 | 4.579,30 | 5.741,00 | 6.680,10 | 7.457,30 | 8.163,30 | | | |
| 112 T4 (A6:3) | | | | | | | | 4.819,30 | 5.201,90 | 6.363,60 | 7.302,70 | 8.079,90 | 8.785,90 | 10.534,70 | 11.758,80 | |
| 112 T4 (A6:6) | | | | | | | | 5.133,20 | 5.515,80 | 6.677,50 | 7.616,60 | 8.393,80 | 9.099,80 | 10.848,60 | 12.072,70 | |
| 125 T4 (A6:3) | | | | | | | | | 5.494,90 | 6.656,60 | 7.595,70 | 8.372,90 | 9.078,90 | 10.827,70 | 12.051,80 | 13.606,10 |
| 125 T4 (A6:6) | | | | | | | | | 5.808,60 | 6.970,30 | 7.909,40 | 8.686,60 | 9.392,60 | 11.141,40 | 12.365,50 | 13.919,80 |

## HCFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.275,00 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.369,70 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.361,80 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.456,50 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.407,00 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.501,80 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.478,20 | 1.655,10 | | | | | | | | | |
| 63 T6 (A2:9) | 1.572,90 | 1.749,80 | | | | | | | | | |
| 71 T6 (A2:6) | 1.595,20 | 1.772,10 | 1.826,20 | | | | | | | | |
| 71 T6 (A2:9) | 1.689,90 | 1.866,80 | 1.920,90 | | | | | | | | |
| 80 T6 (A2:6) | | 1.866,10 | 1.920,20 | 2.078,70 | 2.361,40 | | | | | | |
| 80 T6 (A2:9) | | 1.960,80 | 2.014,90 | 2.173,40 | 2.456,10 | | | | | | |
| 90 T6 (A6:3) | | | | 2.868,40 | 3.151,10 | 3.439,50 | 3.816,40 | | | | |
| 90 T6 (A6:6) | | | | 3.182,20 | 3.464,90 | 3.753,30 | 4.130,20 | | | | |
| 100 T6 (A6:3) | | | | | | 3.682,40 | 4.059,30 | 4.571,50 | 5.366,30 | | |
| 100 T6 (A6:6) | | | | | | 3.996,40 | 4.373,30 | 4.885,50 | 5.680,30 | | |
| 112 T6 (A6:3) | | | | | | 4.619,00 | 4.995,90 | 5.508,10 | 6.302,90 | 7.545,30 | |
| 112 T6 (A6:6) | | | | | | 4.932,90 | 5.309,80 | 5.822,00 | 6.616,80 | 7.859,20 | |
| 125 T6 (A6:3) | | | | | | 4.912,00 | 5.288,90 | 5.801,10 | 6.595,90 | 7.838,30 | 8.692,00 |
| 125 T6 (A6:6) | | | | | | 5.225,70 | 5.602,60 | 6.114,80 | 6.909,60 | 8.152,00 | 9.005,70 |

## HCFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.205,10 | 1.282,20 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.299,80 | 1.376,90 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.291,90 | 1.369,00 | 1.500,50 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.386,60 | 1.463,70 | 1.595,20 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.337,10 | 1.414,20 | 1.545,70 | 1.545,70 | 1.831,40 | 1.997,40 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.431,90 | 1.509,00 | 1.640,50 | 1.640,50 | 1.926,20 | 2.092,20 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.408,30 | 1.485,40 | 1.616,90 | 1.616,90 | 1.902,60 | 2.068,60 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.503,00 | 1.580,10 | 1.711,60 | 1.711,60 | 1.997,30 | 2.163,30 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.602,40 | 1.733,90 | 1.733,90 | 2.019,60 | 2.185,60 | 2.659,00 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.697,10 | 1.828,60 | 1.828,60 | 2.114,30 | 2.280,30 | 2.753,70 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.827,90 | 1.827,90 | 2.113,60 | 2.279,60 | 2.753,00 | 3.181,40 | 3.719,50 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.922,60 | 1.922,60 | 2.208,30 | 2.374,30 | 2.847,70 | 3.276,10 | 3.814,20 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 2.903,30 | 3.069,30 | 3.542,70 | 3.971,10 | 4.509,20 | 5.349,50 | 6.542,40 | 7.655,30 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 3.217,10 | 3.383,10 | 3.856,50 | 4.284,90 | 4.823,00 | 5.663,30 | 6.856,20 | 7.969,10 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 4.214,00 | 4.752,10 | 5.592,40 | 6.785,30 | 7.898,20 | 9.959,00 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 4.528,00 | 5.066,10 | 5.906,40 | 7.099,30 | 8.212,20 | 10.273,00 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 5.150,60 | 5.688,70 | 6.529,00 | 7.721,90 | 8.834,80 | 10.895,60 | 11.032,20 | 12.155,60 | 13.456,90 | |
| 112 T4/T8 (A6:6) | | | | | | | | 5.464,50 | 6.002,60 | 6.842,90 | 8.035,80 | 9.148,70 | 11.209,50 | 11.346,10 | 12.469,50 | 13.770,80 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 5.981,70 | 6.822,00 | 8.014,90 | 9.127,80 | 11.188,60 | 11.325,20 | 12.448,60 | 13.749,90 | 17.445,10 |
| 125 T4/T8 (A6:6) | | | | | | | | | 6.295,40 | 7.135,70 | 8.328,60 | 9.441,50 | 11.502,30 | 11.638,90 | 12.762,30 | 14.063,60 | 17.758,80 |

# HMF & HMFX F400



HMF



HMFX

CE 0370
HMF/HMFX F400
Certification:
0370-CPR-0912

## LONG CASE AXIAL FAN 400ºC/2H & ATEX

### MANUFACTURING FEATURES

- Long cased axial fan with reinforced body.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of polyester resin.
- Housing with motor access door.

HMF F400

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HMFX F400

- Aluminum protection ring.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor).
- 100% reversible impeller.
- Different polarities.

## HELICOIDAL TUBULAR DE CAMISA LARGA 400ºC/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Trampilla de acceso al motor para facilitar las conexiones.

HMF F400

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HMFX F400

- Anillo de protección de aluminio.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.
- Distintas polaridades.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP** pg.455
Inlet protection guard.
Rejilla de protección.



**PO** pg.473
Optional support.
Pie opcional.



**KIT-TM** pg.28
Roof kit for cased fans.
Kit tejado para ventiladores tubulares.

# HMF F400

## HMF F400 | THREE PHASE RANGE 2 POLE | SERIE TRIFÁSICA 2 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| 45 T2 (A8:6) | 3.066,40 | 3.172,40 | 3.331,40 | | | | |
| 45 T2 (A8:9) | | 3.321,80 | 3.480,80 | | | | |
| 45 T2 (A8:12) | | 3.471,20 | 3.630,20 | 3.765,70 | | | |
| 50 T2 (A8:6) | | 3.373,40 | 3.532,40 | 3.667,90 | 3.832,70 | | |
| 50 T2 (A8:9) | | | 3.681,70 | 3.817,20 | 3.982,00 | | |
| 50 T2 (A8:12) | | | 3.831,20 | 3.966,70 | 4.131,50 | | |
| 56 T2 (A8:6) | | | 3.711,70 | 3.847,20 | 4.012,00 | 4.583,20 | 4.895,10 |
| 56 T2 (A8:9) | | | 3.861,10 | 3.996,60 | 4.161,40 | 4.732,60 | 5.044,50 |
| 56 T2 (A8:12) | | | | 4.146,20 | 4.311,00 | 4.882,20 | 5.194,10 |

## HMF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.822,90 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.919,10 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 2.003,40 | 2.141,60 | 2.357,50 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 2.077,30 | 2.215,50 | 2.431,40 | 2.658,80 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.177,50 | 2.315,70 | 2.531,60 | 2.759,00 | 3.006,30 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.856,30 | 3.103,60 | 3.280,30 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 4.374,10 | 4.550,80 | 5.275,00 | 5.628,20 | 6.874,10 | 7.884,40 | | | | | |
| 90 T4 (A3:8) | | | | | 4.752,70 | 4.929,40 | 5.653,60 | 6.006,80 | 7.252,70 | 8.263,00 | | | | | |
| 100 T4 (A3:4) | | | | | | | 5.581,30 | 5.934,50 | 7.180,40 | 8.190,70 | 9.259,40 | 10.023,80 | | | |
| 100 T4 (A3:8) | | | | | | | 5.959,90 | 6.313,10 | 7.559,00 | 8.569,30 | 9.638,00 | 10.402,40 | | | |
| 112 T4 (A3:4) | | | | | | | | 7.159,60 | 8.405,50 | 9.415,80 | 10.484,50 | 11.248,90 | 13.360,20 | 15.361,50 | |
| 112 T4 (A3:8) | | | | | | | | 7.538,20 | 8.784,10 | 9.794,40 | 10.863,10 | 11.627,50 | 13.738,80 | 15.740,10 | |
| 125 T4 (A3:4) | | | | | | | | | 8.753,60 | 9.763,90 | 10.832,60 | 11.597,00 | 13.708,30 | 15.709,60 | 16.700,60 |
| 125 T4 (A3:8) | | | | | | | | | 9.132,30 | 10.142,60 | 11.211,30 | 11.975,70 | 14.087,00 | 16.088,30 | 17.079,30 |

## HMF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.108,80 | | | | | | | | | |
| 50 T6 (A5:6) | 2.205,00 | | | | | | | | | |
| 56 T6 (A5:6) | 2.289,30 | | | | | | | | | |
| 63 T6 (A5:6) | 2.363,20 | | | | | | | | | |
| 71 T6 (A5:6) | 2.463,40 | | | | | | | | | |
| 80 T6 (A5:6) | 2.560,70 | 2.647,30 | 3.044,00 | 3.148,80 | | | | | | |
| 90 T6 (A3:4) | | | 4.314,50 | 4.419,30 | 5.024,90 | 5.120,50 | 5.734,10 | | | |
| 90 T6 (A3:8) | | | 4.693,10 | 4.797,90 | 5.403,50 | 5.499,10 | 6.112,70 | | | |
| 100 T6 (A3:4) | | | | | 5.331,20 | 5.426,80 | 6.040,40 | 7.757,90 | | |
| 100 T6 (A3:8) | | | | | 5.709,80 | 5.805,40 | 6.419,00 | 8.136,50 | | |
| 112 T6 (A3:4) | | | | | 6.556,30 | 6.651,90 | 7.265,50 | 8.983,00 | 9.891,60 | |
| 112 T6 (A3:8) | | | | | 6.934,90 | 7.030,50 | 7.644,10 | 9.361,60 | 10.270,20 | |
| 125 T6 (A3:4) | | | | | 6.904,40 | 7.000,00 | 7.613,60 | 9.331,10 | 10.239,70 | 11.405,50 |
| 125 T6 (A3:8) | | | | | 7.283,10 | 7.378,70 | 7.992,30 | 9.709,80 | 10.618,40 | 11.784,20 |

## HMF F400 | THREE PHASE RANGE 2 SPEEDS 2/4 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 2/4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1,1/0,25 | 1,5/0,37 | 2,2/0,5 | 2,5/0,65 | 3,1/0,8 | 4,4/1,1 | 6/1,5 | 8/2 |
| 45 T2/T4 (A8:6) | 3.154,40 | 3.207,50 | 3.301,80 | 3.616,40 | 3.666,80 | | | |
| 45 T2/T4 (A8:9) | 3.303,80 | 3.356,90 | 3.451,20 | 3.765,80 | 3.816,20 | | | |
| 45 T2/T4 (A8:12) | 3.453,20 | 3.506,30 | 3.600,60 | 3.915,20 | 3.965,60 | | | |
| 50 T2/T4 (A8:6) | | 3.408,50 | 3.502,80 | 3.817,40 | 3.867,80 | 3.967,80 | | |
| 50 T2/T4 (A8:9) | | 3.557,80 | 3.652,10 | 3.966,70 | 4.017,10 | 4.117,10 | | |
| 50 T2/T4 (A8:12) | | 3.707,30 | 3.801,60 | 4.116,20 | 4.166,60 | 4.266,60 | | |
| 56 T2/T4 (A8:6) | | | 3.682,10 | 3.996,70 | 4.047,10 | 4.147,10 | 4.800,60 | 4.888,90 |
| 56 T2/T4 (A8:9) | | | 3.831,50 | 4.146,10 | 4.196,50 | 4.296,50 | 4.950,00 | 5.038,30 |
| 56 T2/T4 (A8:12) | | | 3.981,10 | 4.295,70 | 4.346,10 | 4.446,10 | 5.099,60 | 5.187,90 |

### HMF F400 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55/0,2 | 0,75/0,25 | 1,1/0,3 | 1,5/0,37 | 1,7/0,6 | 2,2/0,7 | 3/1 | 4,5/1,5 | 6/2,2 | 10/3,3 | 14/4,5 | 16/6,5 | 20/8,5 | 26/9 | 34/12 | 40/14 |
| 56 T4/T6 (A5:6) | 2.649,70 | 2.667,40 | 2.702,70 | 2.773,30 | 2.851,10 | 2.891,10 | | | | | | | | | | |
| 63 T4/T6 (A5:6) | 2.723,60 | 2.741,30 | 2.776,60 | 2.847,20 | 2.925,00 | 2.965,00 | | | | | | | | | | |
| 71 T4/T6 (A5:6) | 2.823,80 | 2.841,50 | 2.876,80 | 2.947,40 | 3.025,20 | 3.065,20 | 3.524,50 | | | | | | | | | |
| 80 T4/T6 (A5:6) | | | 2.974,10 | 3.044,70 | 3.122,50 | 3.162,50 | 3.621,80 | 3.751,20 | | | | | | | | |
| 90 T4/T6 (A3:4) | | | | | | 4.433,00 | 4.892,30 | 5.021,70 | 5.852,00 | 11.257,20 | 12.758,50 | | | | | |
| 90 T4/T6 (A3:8) | | | | | | 4.811,60 | 5.270,90 | 5.400,30 | 6.230,60 | 11.635,80 | 13.137,10 | | | | | |
| 100 T4/T6 (A3:4) | | | | | | | | | 6.158,30 | 11.563,50 | 13.064,80 | 16.862,60 | 18.511,20 | | | |
| 100 T4/T6 (A3:8) | | | | | | | | | 6.536,90 | 11.942,10 | 13.443,40 | 17.241,20 | 18.889,80 | | | |
| 112 T4/T6 (A3:4) | | | | | | | | | 7.383,40 | 12.788,60 | 14.289,90 | 18.087,70 | 19.736,30 | 22.444,80 | | |
| 112 T4/T6 (A3:8) | | | | | | | | | 7.762,00 | 13.167,20 | 14.668,50 | 18.466,30 | 20.114,90 | 22.823,40 | | |
| 125 T4/T6 (A3:4) | | | | | | | | | | 13.136,70 | 14.638,00 | 18.435,80 | 20.084,40 | 22.792,90 | 23.608,50 | 25.273,40 |
| 125 T4/T6 (A3:8) | | | | | | | | | | 13.515,40 | 15.016,70 | 18.814,50 | 20.463,10 | 23.171,60 | 23.987,20 | 25.652,10 |

### HMF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 1.806,30 | 2.180,60 | 2.366,60 | 2.425,00 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.902,50 | 2.276,80 | 2.462,80 | 2.521,20 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.986,80 | 2.361,10 | 2.547,10 | 2.605,50 | 2.722,00 | 3.143,20 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 2.060,70 | 2.435,00 | 2.621,00 | 2.679,40 | 2.795,90 | 3.217,10 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.160,90 | 2.535,20 | 2.721,20 | 2.779,60 | 2.896,10 | 3.317,30 | 3.433,90 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 2.818,50 | 2.876,90 | 2.993,40 | 3.414,60 | 3.531,20 | 4.288,80 | 5.040,20 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 4.685,10 | 4.801,70 | 5.559,30 | 6.310,70 | 7.087,80 | 8.817,10 | 10.392,40 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 5.937,90 | 6.689,30 | 7.466,40 | 9.195,70 | 10.771,00 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 5.865,60 | 6.617,00 | 7.394,10 | 9.123,40 | 10.698,70 | 11.025,70 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 6.244,20 | 6.995,60 | 7.772,70 | 9.502,00 | 11.077,30 | 11.404,30 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 7.090,70 | 7.842,10 | 8.619,20 | 10.348,50 | 11.923,80 | 12.250,80 | 14.972,50 | 17.004,90 | 20.881,70 | |
| 112 T4/T8 (A3:8) | | | | | | | | 7.469,30 | 8.220,70 | 8.997,80 | 10.727,10 | 12.302,40 | 12.629,40 | 15.351,10 | 17.383,50 | 21.260,30 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 8.190,20 | 8.967,30 | 10.696,60 | 12.271,90 | 12.598,90 | 15.320,60 | 17.353,00 | 21.229,80 | 23.083,20 |
| 125 T4/T8 (A3:8) | | | | | | | | | 8.568,90 | 9.346,00 | 11.075,30 | 12.650,60 | 12.977,60 | 15.699,30 | 17.731,70 | 21.608,50 | 23.461,90 |

# HMFX F400

### HMFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.848,70 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.954,50 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 2.047,30 | 2.185,50 | 2.401,40 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 2.128,50 | 2.266,70 | 2.482,60 | 2.710,00 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.238,70 | 2.376,90 | 2.592,80 | 2.820,20 | 3.067,50 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.927,30 | 3.174,60 | 3.351,30 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 4.480,60 | 4.657,30 | 5.381,50 | 5.734,70 | 6.980,60 | 7.990,90 | | | | | |
| 90 T4 (A3:8) | | | | | 4.859,30 | 5.036,00 | 5.760,20 | 6.113,40 | 7.359,30 | 8.369,60 | | | | | |
| 100 T4 (A3:4) | | | | | | | 5.718,60 | 6.071,80 | 7.317,70 | 8.328,00 | 9.396,70 | 10.161,10 | | | |
| 100 T4 (A3:8) | | | | | | | 6.097,10 | 6.450,30 | 7.696,20 | 8.706,50 | 9.775,20 | 10.539,60 | | | |
| 112 T4 (A3:4) | | | | | | | | 7.419,30 | 8.665,20 | 9.675,50 | 10.744,20 | 11.508,60 | 13.619,90 | 15.621,20 | |
| 112 T4 (A3:8) | | | | | | | | 7.797,90 | 9.043,80 | 10.054,10 | 11.122,80 | 11.887,20 | 13.998,50 | 15.999,80 | |
| 125 T4 (A3:4) | | | | | | | | | 9.048,10 | 10.058,40 | 11.127,10 | 11.891,50 | 14.002,80 | 16.004,10 | 16.995,10 |
| 125 T4 (A3:8) | | | | | | | | | 9.426,80 | 10.437,10 | 11.505,80 | 12.270,20 | 14.381,50 | 16.382,80 | 17.373,80 |

## HMFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.13 4,60 | | | | | | | | | |
| 50 T6 (A5:6) | 2.240,40 | | | | | | | | | |
| 56 T6 (A5:6) | 2.333,20 | | | | | | | | | |
| 63 T6 (A5:6) | 2.414,40 | | | | | | | | | |
| 71 T6 (A5:6) | 2.524,60 | | | | | | | | | |
| 80 T6 (A5:6) | 2.631,70 | 2.718,30 | 3.115,00 | 3.219,80 | | | | | | |
| 90 T6 (A3:4) | | | 4.421,00 | 4.525,80 | 5.131,40 | 5.227,00 | 5.840,60 | | | |
| 90 T6 (A3:8) | | | 4.799,70 | 4.904,50 | 5.510,10 | 5.605,70 | 6.219,30 | | | |
| 100 T6 (A3:4) | | | | | 5.468,50 | 5.564,10 | 6.177,70 | 7.895,20 | | |
| 100 T6 (A3:8) | | | | | 5.847,00 | 5.942,60 | 6.556,20 | 8.273,70 | | |
| 112 T6 (A3:4) | | | | | 6.816,00 | 6.911,60 | 7.525,20 | 9.242,70 | 10.151,30 | |
| 112 T6 (A3:8) | | | | | 7.194,60 | 7.290,20 | 7.903,80 | 9.621,30 | 10.529,90 | |
| 125 T6 (A3:4) | | | | | 7.198,90 | 7.294,50 | 7.908,10 | 9.625,60 | 10.534,20 | 11.700,00 |
| 125 T6 (A3:8) | | | | | 7.577,60 | 7.673,20 | 8.286,80 | 10.004,30 | 10.912,90 | 12.078,70 |

## HMFX F400 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55/0,2 | 0,75/0,25 | 1,1/0,3 | 1,5/0,37 | 1,7/0,6 | 2,2/0,7 | 3/1 | 4,5/1,5 | 6/2,2 | 10/3,3 | 14/4,5 | 16/6,5 | 20/8,5 | 26/9 | 34/12 | 40/14 |
| 56 T4/T6 (A5:6) | 2.693,60 | 2.711,30 | 2.746,60 | 2.817,20 | 2.895,00 | 2.935,00 | | | | | | | | | | |
| 63 T4/T6 (A5:6) | 2.774,80 | 2.792,50 | 2.827,80 | 2.898,40 | 2.976,20 | 3.016,20 | | | | | | | | | | |
| 71 T4/T6 (A5:6) | 2.885,00 | 2.902,70 | 2.938,00 | 3.008,60 | 3.086,40 | 3.126,40 | 3.585,70 | | | | | | | | | |
| 80 T4/T6 (A5:6) | | | 3.045,10 | 3.115,70 | 3.193,50 | 3.233,50 | 3.692,80 | 3.822,20 | | | | | | | | |
| 90 T4/T6 (A3:4) | | | | | | 4.539,50 | 4.998,80 | 5.128,20 | 5.958,50 | 11.363,70 | 12.865,00 | | | | | |
| 90 T4/T6 (A3:8) | | | | | | 4.918,20 | 5.377,50 | 5.506,90 | 6.337,20 | 11.742,40 | 13.243,70 | | | | | |
| 100 T4/T6 (A3:4) | | | | | | | | | 6.295,60 | 11.700,80 | 13.202,10 | 16.999,90 | 18.648,50 | | | |
| 100 T4/T6 (A3:8) | | | | | | | | | 6.674,10 | 12.079,30 | 13.580,60 | 17.378,40 | 19.027,00 | | | |
| 112 T4/T6 (A3:4) | | | | | | | | | 7.643,10 | 13.048,30 | 14.549,60 | 18.347,40 | 19.996,00 | 22.704,50 | | |
| 112 T4/T6 (A3:8) | | | | | | | | | 8.021,70 | 13.426,90 | 14.928,20 | 18.726,00 | 20.374,60 | 23.083,10 | | |
| 125 T4/T6 (A3:4) | | | | | | | | | | 13.431,20 | 14.932,50 | 18.730,30 | 20.378,90 | 23.087,40 | 23.903,00 | 25.567,90 |
| 125 T4/T6 (A3:8) | | | | | | | | | | 13.809,90 | 15.311,20 | 19.109,00 | 20.757,60 | 23.466,10 | 24.281,70 | 25.946,60 |

## HMFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 1.832,10 | 2.206,40 | 2.392,40 | 2.450,80 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.937,90 | 2.312,20 | 2.498,20 | 2.556,60 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 2.030,70 | 2.405,00 | 2.591,00 | 2.649,40 | 2.765,90 | 3.187,10 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 2.111,90 | 2.486,20 | 2.672,20 | 2.730,60 | 2.847,10 | 3.268,30 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.222,10 | 2.596,40 | 2.782,40 | 2.840,80 | 2.957,30 | 3.378,50 | 3.495,10 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 2.889,50 | 2.947,90 | 3.064,40 | 3.485,60 | 3.602,20 | 4.359,80 | 5.111,20 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 4.791,60 | 4.908,20 | 5.665,80 | 6.417,20 | 7.194,30 | 8.923,60 | 10.498,90 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 6.044,50 | 6.795,90 | 7.573,00 | 9.302,30 | 10.877,60 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 6.002,90 | 6.754,30 | 7.531,40 | 9.260,70 | 10.836,00 | 11.163,00 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 6.381,40 | 7.132,80 | 7.909,90 | 9.639,20 | 11.214,50 | 11.541,50 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 7.350,40 | 8.101,80 | 8.878,90 | 10.608,20 | 12.183,50 | 12.510,50 | 15.232,20 | 17.264,60 | 21.141,40 | |
| 112 T4/T8 (A3:8) | | | | | | | | 7.729,00 | 8.480,40 | 9.257,50 | 10.986,80 | 12.562,10 | 12.889,10 | 15.610,80 | 17.643,20 | 21.520,00 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 8.484,70 | 9.261,80 | 10.991,10 | 12.566,40 | 12.893,40 | 15.615,10 | 17.647,50 | 21.524,30 | 23.377,70 |
| 125 T4/T8 (A3:8) | | | | | | | | | 8.863,40 | 9.640,50 | 11.369,80 | 12.945,10 | 13.272,10 | 15.993,80 | 18.026,20 | 21.903,00 | 23.756,40 |

# HMF & HMFX F300



HMF



HMFX

CE 0370 HMF/HMFX F300 Certification: 0370-CPR-2403

60 +info Hz

## LONG CASE AXIAL FAN 300ºC/2H & ATEX

### MANUFACTURING FEATURES

- Long cased axial fan with reinforced body.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of polyester resin.
- Housing with motor access door.

HMF F300

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HMFX F300

- Aluminum protection ring.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages:400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60ºC.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor).
- 100% reversible impeller.
- Different polarities.

## HELICOIDAL TUBULAR DE CAMISA LARGA 300ºC/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Trampilla de acceso al motor para facilitar las conexiones.

HMF F300

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HMFX F300

- Anillo de protección de aluminio.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible 100%.
- Distintas polaridades.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.

# HMF F300

## HMF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.208,60 | 1.212,90 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.303,30 | 1.307,60 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.304,90 | 1.309,20 | 1.326,10 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.399,50 | 1.403,80 | 1.420,70 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.389,20 | 1.393,50 | 1.410,40 | 1.453,90 | 1.792,70 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.483,80 | 1.488,10 | 1.505,00 | 1.548,50 | 1.887,30 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.463,00 | 1.467,30 | 1.484,20 | 1.527,70 | 1.866,50 | 2.082,50 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.557,70 | 1.562,00 | 1.578,90 | 1.622,40 | 1.961,20 | 2.177,20 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.567,50 | 1.584,40 | 1.627,90 | 1.966,70 | 2.182,70 | 2.415,30 | | | | | | | | | |
| 71 T4 (A2:9) | | 1.662,20 | 1.679,10 | 1.722,60 | 2.061,40 | 2.277,40 | 2.510,00 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.681,70 | 1.725,20 | 2.064,00 | 2.280,00 | 2.512,60 | 2.901,40 | 3.284,00 | | | | | | | |
| 80 T4 (A2:9) | | | 1.776,40 | 1.819,90 | 2.158,70 | 2.374,70 | 2.607,30 | 2.996,10 | 3.378,70 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 3.184,40 | 3.417,00 | 3.805,80 | 4.188,40 | 5.350,10 | 6.289,20 | | | | | |
| 90 T4 (A6:6) | | | | | | 3.498,10 | 3.730,70 | 4.119,50 | 4.502,10 | 5.663,80 | 6.602,90 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 4.112,10 | 4.494,70 | 5.656,40 | 6.595,50 | 7.372,70 | 8.078,70 | | | |
| 100 T4 (A6:6) | | | | | | | | 4.425,90 | 4.808,50 | 5.970,20 | 6.909,30 | 7.686,50 | 8.392,50 | | | |
| 112 T4 (A6:3) | | | | | | | | 5.337,20 | 5.719,80 | 6.881,50 | 7.820,60 | 8.597,80 | 9.303,80 | 11.052,60 | 12.276,70 | |
| 112 T4 (A6:6) | | | | | | | | 5.651,00 | 6.033,60 | 7.195,30 | 8.134,40 | 8.911,60 | 9.617,60 | 11.366,40 | 12.590,50 | |
| 125 T4 (A6:3) | | | | | | | | | 6.067,90 | 7.229,60 | 8.168,70 | 8.945,90 | 9.651,90 | 11.400,70 | 12.624,80 | 14.179,10 |
| 125 T4 (A6:6) | | | | | | | | | 6.381,80 | 7.543,50 | 8.482,60 | 9.259,80 | 9.965,80 | 11.714,60 | 12.938,70 | 14.493,00 |

## HMF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.288,60 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.383,30 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.384,90 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.479,50 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.469,20 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.563,80 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.543,00 | 1.719,90 | | | | | | | | | |
| 63 T6 (A2:9) | 1.637,70 | 1.814,60 | | | | | | | | | |
| 71 T6 (A2:6) | 1.643,20 | 1.820,10 | 1.874,20 | | | | | | | | |
| 71 T6 (A2:9) | 1.737,90 | 1.914,80 | 1.968,90 | | | | | | | | |
| 80 T6 (A2:6) | | 1.917,40 | 1.971,50 | 2.130,00 | 2.412,70 | | | | | | |
| 80 T6 (A2:9) | | 2.012,10 | 2.066,20 | 2.224,70 | 2.507,40 | | | | | | |
| 90 T6 (A6:3) | | | | 3.034,40 | 3.317,10 | 3.605,50 | 3.982,40 | | | | |
| 90 T6 (A6:6) | | | | 3.348,10 | 3.630,80 | 3.919,20 | 4.296,10 | | | | |
| 100 T6 (A6:3) | | | | | | 3.911,80 | 4.288,70 | 4.800,90 | 5.595,70 | | |
| 100 T6 (A6:6) | | | | | | 4.225,60 | 4.602,50 | 5.114,70 | 5.909,50 | | |
| 112 T6 (A6:3) | | | | | | 5.136,90 | 5.513,80 | 6.026,00 | 6.820,80 | 8.063,20 | |
| 112 T6 (A6:6) | | | | | | 5.450,70 | 5.827,60 | 6.339,80 | 7.134,60 | 8.377,00 | |
| 125 T6 (A6:3) | | | | | | 5.485,00 | 5.861,90 | 6.374,10 | 7.168,90 | 8.411,30 | 9.265,00 |
| 125 T6 (A6:6) | | | | | | 5.798,90 | 6.175,80 | 6.688,00 | 7.482,80 | 8.725,20 | 9.578,90 |

## HMF F300 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55/0,2 | 0,75/0,25 | 1,1/0,3 | 1,5/0,37 | 1,7/0,6 | 2,2/0,7 | 3/1 | 4,5/1,5 | 6/2,2 | 10/3,3 | 14/4,5 | 16/6,5 | 20/8,5 | 26/9 | 34/12 | 40/14 |
| 50 T4/T6 (A2:6) | 1.471,30 | 1.490,10 | 1.681,20 | | | | | | | | | | | | | |
| 50 T4/T6 (A2:9) | 1.565,90 | 1.584,70 | 1.775,80 | | | | | | | | | | | | | |
| 56 T4/T6 (A2:6) | 1.555,60 | 1.574,40 | 1.765,50 | 1.847,90 | 2.101,70 | 2.297,40 | | | | | | | | | | |
| 56 T4/T6 (A2:9) | 1.650,20 | 1.669,00 | 1.860,10 | 1.942,50 | 2.196,30 | 2.392,00 | | | | | | | | | | |
| 63 T4/T6 (A2:6) | 1.629,40 | 1.648,20 | 1.839,30 | 1.921,70 | 2.175,50 | 2.371,20 | | | | | | | | | | |
| 63 T4/T6 (A2:9) | 1.724,10 | 1.742,90 | 1.934,00 | 2.016,40 | 2.270,20 | 2.465,90 | | | | | | | | | | |
| 71 T4/T6 (A2:6) | | 1.748,40 | 1.939,50 | 2.021,90 | 2.275,70 | 2.471,40 | 3.017,10 | | | | | | | | | |
| 71 T4/T6 (A2:9) | | 1.843,10 | 2.034,20 | 2.116,60 | 2.370,40 | 2.566,10 | 3.111,80 | | | | | | | | | |
| 80 T4/T6 (A2:6) | | | 2.036,80 | 2.119,20 | 2.373,00 | 2.568,70 | 3.114,40 | 3.724,10 | 4.236,30 | | | | | | | |
| 80 T4/T6 (A2:9) | | | 2.131,50 | 2.213,90 | 2.467,70 | 2.663,40 | 3.209,10 | 3.818,80 | 4.331,00 | | | | | | | |
| 90 T4/T6 (A6:3) | | | | | | 3.473,10 | 4.018,80 | 4.628,50 | 5.140,70 | 6.654,70 | 7.153,20 | 8.781,40 | | | | |
| 90 T4/T6 (A6:6) | | | | | | 3.786,80 | 4.332,50 | 4.942,20 | 5.454,40 | 6.968,40 | 7.466,90 | 9.095,10 | | | | |
| 100 T4/T6 (A6:3) | | | | | | | | | 5.447,00 | 6.961,00 | 7.459,50 | 9.087,70 | 9.321,00 | | | |
| 100 T4/T6 (A6:6) | | | | | | | | | 5.760,80 | 7.274,80 | 7.773,30 | 9.401,50 | 9.634,80 | | | |
| 112 T4/T6 (A6:3) | | | | | | | | | 6.672,10 | 8.186,10 | 8.684,60 | 10.312,80 | 10.546,10 | 13.166,80 | 18.476,90 | |
| 112 T4/T6 (A6:6) | | | | | | | | | 6.985,90 | 8.499,90 | 8.998,40 | 10.626,60 | 10.859,90 | 13.480,60 | 18.790,70 | |
| 125 T4/T6 (A6:3) | | | | | | | | | | 8.534,20 | 9.032,70 | 10.660,90 | 10.894,20 | 13.514,90 | 18.825,00 | 20.119,30 |
| 125 T4/T6 (A6:6) | | | | | | | | | | 8.848,10 | 9.346,60 | 10.974,80 | 11.208,10 | 13.828,80 | 19.138,90 | 20.433,20 |

### HMF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.218,70 | 1.295,80 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.313,40 | 1.390,50 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.315,00 | 1.392,10 | 1.523,60 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.409,60 | 1.486,70 | 1.618,20 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.399,30 | 1.476,40 | 1.607,90 | 1.607,90 | 1.893,60 | 2.059,60 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.493,90 | 1.571,00 | 1.702,50 | 1.702,50 | 1.988,20 | 2.154,20 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.473,10 | 1.550,20 | 1.681,70 | 1.681,70 | 1.967,40 | 2.133,40 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.567,80 | 1.644,90 | 1.776,40 | 1.776,40 | 2.062,10 | 2.228,10 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.650,40 | 1.781,90 | 1.781,90 | 2.067,60 | 2.233,60 | 2.707,00 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.745,10 | 1.876,60 | 1.876,60 | 2.162,30 | 2.328,30 | 2.801,70 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.879,20 | 1.879,20 | 2.164,90 | 2.330,90 | 2.804,30 | 3.232,70 | 3.770,80 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.973,90 | 1.973,90 | 2.259,60 | 2.425,60 | 2.899,00 | 3.327,40 | 3.865,50 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 3.069,30 | 3.235,30 | 3.708,70 | 4.137,10 | 4.675,20 | 5.515,50 | 6.708,40 | 7.821,30 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 3.383,00 | 3.549,00 | 4.022,40 | 4.450,80 | 4.988,90 | 5.829,20 | 7.022,10 | 8.135,00 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 4.443,40 | 4.981,50 | 5.821,80 | 7.014,70 | 8.127,60 | 10.188,40 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 4.757,20 | 5.295,30 | 6.135,60 | 7.328,50 | 8.441,40 | 10.502,20 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 5.668,50 | 6.206,60 | 7.046,90 | 8.239,80 | 9.352,70 | 11.413,50 | 11.550,10 | 12.673,50 | 13.974,80 | |
| 112 T4/T8 (A6:6) | | | | | | | | 5.982,30 | 6.520,40 | 7.360,70 | 8.553,60 | 9.666,50 | 11.727,30 | 11.863,90 | 12.987,30 | 14.288,60 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 6.554,70 | 7.395,00 | 8.587,90 | 9.700,80 | 11.761,60 | 11.898,20 | 13.021,60 | 14.322,90 | 18.018,10 |
| 125 T4/T8 (A6:6) | | | | | | | | | 6.868,60 | 7.708,90 | 8.901,80 | 10.014,70 | 12.075,50 | 12.212,10 | 13.335,50 | 14.636,80 | 18.332,00 |

# HMFX F300

### HMFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.234,30 | 1.238,60 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.329,00 | 1.333,30 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.340,20 | 1.344,50 | 1.361,40 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.434,90 | 1.439,20 | 1.456,10 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.432,90 | 1.437,20 | 1.454,10 | 1.497,60 | 1.836,40 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.527,60 | 1.531,90 | 1.548,80 | 1.592,30 | 1.931,10 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.514,30 | 1.518,60 | 1.535,50 | 1.579,00 | 1.917,80 | 2.133,80 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.608,90 | 1.613,20 | 1.630,10 | 1.673,60 | 2.012,40 | 2.228,40 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.628,70 | 1.645,60 | 1.689,10 | 2.027,90 | 2.243,90 | 2.476,50 | | | | | | | | | |
| 71 T4 (A2:9) | | 1.723,40 | 1.740,30 | 1.783,80 | 2.122,60 | 2.338,60 | 2.571,20 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.752,60 | 1.796,10 | 2.134,90 | 2.350,90 | 2.583,50 | 2.972,30 | 3.354,90 | | | | | | | |
| 80 T4 (A2:9) | | | 1.847,30 | 1.890,80 | 2.229,60 | 2.445,60 | 2.678,20 | 3.067,00 | 3.449,60 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 3.290,90 | 3.523,50 | 3.912,30 | 4.294,90 | 5.456,60 | 6.395,70 | | | | | |
| 90 T4 (A6:6) | | | | | | 3.604,80 | 3.837,40 | 4.226,20 | 4.608,80 | 5.770,50 | 6.709,60 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 4.249,30 | 4.631,90 | 5.793,60 | 6.732,70 | 7.509,90 | 8.215,90 | | | |
| 100 T4 (A6:6) | | | | | | | | 4.563,10 | 4.945,70 | 6.107,40 | 7.046,50 | 7.823,70 | 8.529,70 | | | |
| 112 T4 (A6:3) | | | | | | | | 5.597,00 | 5.979,60 | 7.141,30 | 8.080,40 | 8.857,60 | 9.563,60 | 11.312,40 | 12.536,50 | |
| 112 T4 (A6:6) | | | | | | | | 5.910,80 | 6.293,40 | 7.455,10 | 8.394,20 | 9.171,40 | 9.877,40 | 11.626,20 | 12.850,30 | |
| 125 T4 (A6:3) | | | | | | | | | 6.362,50 | 7.524,20 | 8.463,30 | 9.240,50 | 9.946,50 | 11.695,30 | 12.919,40 | 14.473,70 |
| 125 T4 (A6:6) | | | | | | | | | 6.676,40 | 7.838,10 | 8.777,20 | 9.554,40 | 10.260,40 | 12.009,20 | 13.233,30 | 14.787,60 |

### HMFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.314,30 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.409,00 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.420,20 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.514,90 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.512,90 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.607,60 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.594,30 | 1.771,20 | | | | | | | | | |
| 63 T6 (A2:9) | 1.688,90 | 1.865,80 | | | | | | | | | |
| 71 T6 (A2:6) | 1.704,40 | 1.881,30 | 1.935,40 | | | | | | | | |
| 71 T6 (A2:9) | 1.799,10 | 1.976,00 | 2.030,10 | | | | | | | | |
| 80 T6 (A2:6) | | 1.988,30 | 2.042,40 | 2.200,90 | 2.483,60 | | | | | | |
| 80 T6 (A2:9) | | 2.083,00 | 2.137,10 | 2.295,60 | 2.578,30 | | | | | | |
| 90 T6 (A6:3) | | | | 3.140,90 | 3.423,60 | 3.712,00 | 4.088,90 | | | | |
| 90 T6 (A6:6) | | | | 3.454,80 | 3.737,50 | 4.025,90 | 4.402,80 | | | | |
| 100 T6 (A6:3) | | | | | | 4.049,00 | 4.425,90 | 4.938,10 | 5.732,90 | | |
| 100 T6 (A6:6) | | | | | | 4.362,80 | 4.739,70 | 5.251,90 | 6.046,70 | | |
| 112 T6 (A6:3) | | | | | | 5.396,70 | 5.773,60 | 6.285,80 | 7.080,60 | 8.323,00 | |
| 112 T6 (A6:6) | | | | | | 5.710,50 | 6.087,40 | 6.599,60 | 7.394,40 | 8.636,80 | |
| 125 T6 (A6:3) | | | | | | 5.779,60 | 6.156,50 | 6.668,70 | 7.463,50 | 8.705,90 | 9.559,60 |
| 125 T6 (A6:6) | | | | | | 6.093,50 | 6.470,40 | 6.982,60 | 7.777,40 | 9.019,80 | 9.873,50 |

## HMFX F300 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55/0,2 | 0,75/0,25 | 1,1/0,3 | 1,5/0,37 | 1,7/0,6 | 2,2/0,7 | 3/1 | 4,5/1,5 | 6/2,2 | 10/3,3 | 14/4,5 | 16/6,5 | 20/8,5 | 26/9 | 34/12 | 40/14 |
| 50 T4/T6 (A2:6) | 1.506,60 | 1.525,40 | 1.716,50 | | | | | | | | | | | | | |
| 50 T4/T6 (A2:9) | 1.601,30 | 1.620,10 | 1.811,20 | | | | | | | | | | | | | |
| 56 T4/T6 (A2:6) | 1.599,30 | 1.618,10 | 1.809,20 | 1.891,60 | 2.145,40 | 2.341,10 | | | | | | | | | | |
| 56 T4/T6 (A2:9) | 1.694,00 | 1.712,80 | 1.903,90 | 1.986,30 | 2.240,10 | 2.435,80 | | | | | | | | | | |
| 63 T4/T6 (A2:6) | 1.680,70 | 1.699,50 | 1.890,60 | 1.973,00 | 2.226,80 | 2.422,50 | | | | | | | | | | |
| 63 T4/T6 (A2:9) | 1.775,30 | 1.794,10 | 1.985,20 | 2.067,60 | 2.321,40 | 2.517,10 | | | | | | | | | | |
| 71 T4/T6 (A2:6) | | 1.809,60 | 2.000,70 | 2.083,10 | 2.336,90 | 2.532,60 | 3.078,30 | | | | | | | | | |
| 71 T4/T6 (A2:9) | | 1.904,30 | 2.095,40 | 2.177,80 | 2.431,60 | 2.627,30 | 3.173,00 | | | | | | | | | |
| 80 T4/T6 (A2:6) | | | 2.107,70 | 2.190,10 | 2.443,90 | 2.639,60 | 3.185,30 | 3.795,00 | 4.307,20 | | | | | | | |
| 80 T4/T6 (A2:9) | | | 2.202,40 | 2.284,80 | 2.538,60 | 2.734,30 | 3.280,00 | 3.889,70 | 4.401,90 | | | | | | | |
| 90 T4/T6 (A6:3) | | | | | | 3.579,60 | 4.125,30 | 4.735,00 | 5.247,20 | 6.761,20 | 7.259,70 | 8.887,90 | | | | |
| 90 T4/T6 (A6:6) | | | | | | 3.893,50 | 4.439,20 | 5.048,90 | 5.561,10 | 7.075,10 | 7.573,60 | 9.201,80 | | | | |
| 100 T4/T6 (A6:3) | | | | | | | | | 5.584,20 | 7.098,20 | 7.596,70 | 9.224,90 | 9.458,20 | | | |
| 100 T4/T6 (A6:6) | | | | | | | | | 5.898,00 | 7.412,00 | 7.910,50 | 9.538,70 | 9.772,00 | | | |
| 112 T4/T6 (A6:3) | | | | | | | | | 6.931,90 | 8.445,90 | 8.944,40 | 10.572,60 | 10.805,90 | 13.426,60 | 18.736,70 | |
| 112 T4/T6 (A6:6) | | | | | | | | | 7.245,70 | 8.759,70 | 9.258,20 | 10.886,40 | 11.119,70 | 13.740,40 | 19.050,50 | |
| 125 T4/T6 (A6:3) | | | | | | | | | | 8.828,80 | 9.327,30 | 10.955,50 | 11.188,80 | 13.809,50 | 19.119,60 | 20.413,90 |
| 125 T4/T6 (A6:6) | | | | | | | | | | 9.142,70 | 9.641,20 | 11.269,40 | 11.502,70 | 14.123,40 | 19.433,50 | 20.727,80 |

## HMFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.244,40 | 1.321,50 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.339,10 | 1.416,20 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.350,30 | 1.427,40 | 1.558,90 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.445,00 | 1.522,10 | 1.653,60 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.443,00 | 1.520,10 | 1.651,60 | 1.651,60 | 1.937,30 | 2.103,30 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.537,70 | 1.614,80 | 1.746,30 | 1.746,30 | 2.032,00 | 2.198,00 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.524,40 | 1.601,50 | 1.733,00 | 1.733,00 | 2.018,70 | 2.184,70 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.619,00 | 1.696,10 | 1.827,60 | 1.827,60 | 2.113,30 | 2.279,30 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.711,60 | 1.843,10 | 1.843,10 | 2.128,80 | 2.294,80 | 2.768,20 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.806,30 | 1.937,80 | 1.937,80 | 2.223,50 | 2.389,50 | 2.862,90 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.950,10 | 1.950,10 | 2.235,80 | 2.401,80 | 2.875,20 | 3.303,60 | 3.841,70 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 2.044,80 | 2.044,80 | 2.330,50 | 2.496,50 | 2.969,90 | 3.398,30 | 3.936,40 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 3.175,80 | 3.341,80 | 3.815,20 | 4.243,60 | 4.781,70 | 5.622,00 | 6.814,90 | 7.927,80 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 3.489,70 | 3.655,70 | 4.129,10 | 4.557,50 | 5.095,60 | 5.935,90 | 7.128,80 | 8.241,70 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 4.580,60 | 5.118,70 | 5.959,00 | 7.151,90 | 8.264,80 | 10.325,60 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 4.894,40 | 5.432,50 | 6.272,80 | 7.465,70 | 8.578,60 | 10.639,40 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 5.928,30 | 6.466,40 | 7.306,70 | 8.499,60 | 9.612,50 | 11.673,30 | 11.809,90 | 12.933,30 | 14.234,60 | |
| 112 T4/T8 (A6:6) | | | | | | | | 6.242,10 | 6.780,20 | 7.620,50 | 8.813,40 | 9.926,30 | 11.987,10 | 12.123,70 | 13.247,10 | 14.548,40 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 6.849,30 | 7.689,60 | 8.882,50 | 9.995,40 | 12.056,20 | 12.192,80 | 13.316,20 | 14.617,50 | 18.312,70 |
| 125 T4/T8 (A6:6) | | | | | | | | | 7.163,20 | 8.003,50 | 9.196,40 | 10.309,30 | 12.370,10 | 12.506,70 | 13.630,10 | 14.931,40 | 18.626,60 |

KUVIO-Q

**Los más silenciosos del mercado**
The quietest on the market



**Sólo disponible para el mercado nacional | Only available for the national market**

Folleto

KUVIO-Q EC

# JFC



AXIAL CASED FAN F400, F300 AND COMFORT (JET FAN CORE)

**MANUFACTURING FEATURES**

- Long case axial fan with reinforced body.
- Modular motor-impeller assembly. Cast aluminium impeller with variable pitch angle. Polyester powder finishing coat.
- Housing with motor access door for easy connection.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, Certified 400ºC/2h. Standard voltages 400V(Y) 50Hz) for 1 speed motors and 400V(D) 50Hz for 2 speed motors.

**APPLICATIONS**

Designed for duct installation, they are suitable for:

- Smoke extraction in case of fire with the motor inside the hazardous area.
- Maximum continuous working temperature: 60ºC.

**UNDER REQUEST**

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

VENTILADOR HELICOIDAL TUBULAR F400, F300 Y CONFORT (JET FAN CORE)

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Ventilador tubular de estructura reforzada.
- Montaje modular del conjunto motor hélice. Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Trampilla de acceso al motor para facilitar las conexiones.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H, homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores de una velocidad y 400V(D) 50Hz para motores de 2 velocidades.

**APLICACIONES**

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60ºC.

**BAJO DEMANDA**

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.

ErP

CE 0370
JF/JFC
Certification:
0370-CPR-1325

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT 400** pg.515
Connexion flange.
Brida de connexión.

# JFC CONFORT

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 274300188ST | JFC CORE 315 T2 UN | 2870 | 1,36 | 0,55 | 4.490 | 23 | **546,40** |
| 274310188ST | JFC CORE 315/H T2 UN | 2875 | 2,39 | 1,1 | 5.420 | 25 | **698,70** |
| 274350188ST | JFC CORE 355 T2 UN | 2870 | 1,36 | 0,55 | 5.230 | 29 | **560,20** |
| 274360188ST | JFC CORE 355/H T2 UN | 2875 | 2,39 | 1,1 | 6.900 | 31 | **712,60** |
| 274400188ST | JFC CORE 400 T2 UN | 2875 | 2,39 | 1,1 | 8.460 | 47 | **733,20** |
| 274410188ST | JFC CORE 400/H T2 UN | 2875 | 3,14 | 1,5 | 9.320 | 54 | **795,60** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

### 2/4 pole | 2/4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 274300288ST | JFC CORE 315 T2/T4 UN | 2805 | 1,45/0,47 | 0,55/ 0,12 | 4.490 | 23 | **593,50** |
| 274310288ST | JFC CORE 315/H T2/T4 UN | 2850 | 2,36/0,59 | 1,1/ 0,18 | 5.420 | 25 | **776,10** |
| 274350288ST | JFC CORE 355 T2/T4 UN | 2805 | 1,45/0,47 | 0,55/ 0,12 | 5.230 | 29 | **607,20** |
| 274360288ST | JFC CORE 355/H T2/T4 UN | 2850 | 2,36/0,59 | 1,1/ 0,18 | 6.900 | 31 | **789,80** |
| 274400288ST | JFC CORE 400 T2/T4 UN | 2850 | 2,36/0,59 | 1,1/ 0,18 | 8.460 | 47 | **810,70** |
| 274410288ST | JFC CORE 400/H T2/T4 UN | 2875 | 3,45/1,14 | 1,5/0,37 | 9.320 | 54 | **885,30** |

# JFC F300

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 274310188F3 | JFC CORE 315/H T2 UN F300 | 2875 | 2,39 | 1,1 | 5.430 | 25 | **1.141,20** |
| 274360188F3 | JFC CORE 355/H T2 UN F300 | 2875 | 2,39 | 1,1 | 6.910 | 31 | **1.120,60** |
| 274400188F3 | JFC CORE 400 T2 UN F300 | 2875 | 2,39 | 1,1 | 8.470 | 47 | **1.141,20** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

### 2/4 pole | 2/4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 274310288F3 | JFC CORE 315/H T2/T4 UN F300 | 2850 | 2,36/0,59 | 1,1/ 0,18 | 5.430 | 25 | **1.265,80** |
| 274360288F3 | JFC CORE 355/H T2/T4 UN F300 | 2850 | 2,36/0,59 | 1,1/ 0,18 | 6.910 | 31 | **1.279,60** |
| 274400288F3 | JFC CORE 400 T2/T4 UN F300 | 2850 | 2,36/0,59 | 1,1/ 0,18 | 8.470 | 47 | **1.300,40** |

# JFC F400

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 274310188 | JFC CORE 315/H T2 UN F400 | 2875 | 2,39 | 1,1 | 5.150 | 25 | **1.431,80** |
| 274360188 | JFC CORE 355/H T2 UN F400 | 2875 | 2,39 | 1,1 | 6.490 | 31 | **1.445,80** |
| 274400188 | JFC CORE 400 T2 UN F400 | 2875 | 2,39 | 1,1 | 8.060 | 47 | **1.466,20** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

### 2/4 pole | 2/4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 274310288 | JFC CORE 315/H T2/T4 UN F400 | 2850 | 2,36/0,59 | 1,1/ 0,18 | 5.150 | 25 | **1.656,00** |
| 274360288 | JFC CORE 355/H T2/T4 UN F400 | 2850 | 2,36/0,59 | 1,1/ 0,18 | 6.490 | 31 | **1.669,80** |
| 274400288 | JFC CORE 400 T2/T4 UN F400 | 2850 | 2,36/0,59 | 1,1/ 0,18 | 8.060 | 47 | **1.690,30** |

# BOX HBF & BOX HBFX F400



**BOX HBF**



**BOX HBFX**

CE 0370
BOX HBF/HBFX F400
Certification:
0370-CPR-0913

60 +info Hz

## AXIAL FAN IN SOUNDPROOF CABINET 400ºC/2H & ATEX

### MANUFACTURING FEATURES

• BOX: Manufactured in galvanised steel sheet with thermalproofing. Soundproofing cabinets with thermo-acoustic insulation, Bs1d0 fire class. Removable panels for easy motor access and fan maintenance.
• Internal fan: HBFX (F400+ATEX) Axial fan, circular reinforced frame from size 45 to 80. For larger sizes uses from 90 to 125 we use model HCFX (F400+ATEX).
Motor-impeller assembly through a modular system. Cast aluminium impeller. Polyester powder finishing coat to protect against corrosion.

BOX HBF F400
• Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

BOX HBFX F400
• Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages:400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:
• Smoke emergency exhaust with motor inside the hazardous area.
• Cabinet design simplifies installation in rectangular duct systems.
• Maximum working temperature: 60ºC.

### UNDER REQUEST

• B form impeller (air flow from impeller to motor).
• 100% reversible impeller.

## VENTILADOR HELICOIDAL Y EN CAJA INSONORIZADA 400/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

• BOX: Caja construida en chapa de acero galvanizado con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
• Ventilador interior: HBFX (F400+ATEX) para tamaños del 45 al 80, HCFX (F400+ATEX) para modelos entre 90 y 125. Ventilador helicoidal de marco redondo reforzado con nervio intermedio. Montaje modular del conjunto motor hélice. Hélice en fundición de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.

BOX HBF F400
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

BOX HBFX F400
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:
• Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
• La construcción en caja facilita muchísimo su instalación en conductos que habitualmente son rectangulares.
• Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

• Hélice impelente (sentido de aire hélice-motor).
• Hélice reversible 100%.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**INT** pg.515
Safety switch.
Interruptor de corte.



**VISB** pg.485
Outdoor flange with bird guard for BOX HB series.
Visera intemperie con malla antipájaros para serie BOX HB.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.

# BOX HBF F400

## BOX HBF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 2.187,60 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 2.234,90 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 2.426,80 | 2.565,00 | 2.780,90 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 2.470,30 | 2.608,50 | 2.824,40 | 3.051,80 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.734,50 | 2.872,70 | 3.088,60 | 3.316,00 | 3.563,30 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 3.376,70 | 3.624,00 | 3.800,70 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 5.189,60 | 5.366,30 | 6.090,50 | 6.443,70 | 7.689,60 | 8.699,90 | | | | | |
| 90 T4 (A3:8) | | | | | 5.568,30 | 5.745,00 | 6.469,20 | 6.822,40 | 8.068,30 | 9.078,60 | | | | | |
| 100 T4 (A3:4) | | | | | | | 6.238,00 | 6.591,20 | 7.837,10 | 8.847,40 | 9.916,10 | 10.680,50 | | | |
| 100 T4 (A3:8) | | | | | | | 6.616,60 | 6.969,80 | 8.215,70 | 9.226,00 | 10.294,70 | 11.059,10 | | | |
| 112 T4 (A3:4) | | | | | | | | 7.619,40 | 8.865,30 | 9.875,60 | 10.944,30 | 11.708,70 | 13.820,00 | 15.821,30 | |
| 112 T4 (A3:8) | | | | | | | | 7.998,20 | 9.244,10 | 10.254,40 | 11.323,10 | 12.087,50 | 14.198,80 | 16.200,10 | |
| 125 T4 (A3:4) | | | | | | | | | 8.983,70 | 9.994,00 | 11.062,70 | 11.827,10 | 13.938,40 | 15.939,70 | 16.930,70 |
| 125 T4 (A3:8) | | | | | | | | | 9.362,30 | 10.372,60 | 11.441,30 | 12.205,70 | 14.317,00 | 16.318,30 | 17.309,30 |

## BOX HBF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.473,50 | | | | | | | | | |
| 50 T6 (A5:6) | 2.520,80 | | | | | | | | | |
| 56 T6 (A5:6) | 2.712,70 | | | | | | | | | |
| 63 T6 (A5:6) | 2.756,20 | | | | | | | | | |
| 71 T6 (A5:6) | 3.020,40 | | | | | | | | | |
| 80 T6 (A5:6) | 3.081,10 | 3.167,70 | 3.564,40 | 3.669,20 | | | | | | |
| 90 T6 (A3:4) | | | 5.130,00 | 5.234,80 | 5.840,40 | 5.936,00 | 6.549,60 | | | |
| 90 T6 (A3:8) | | | 5.508,70 | 5.613,50 | 6.219,10 | 6.314,70 | 6.928,30 | | | |
| 100 T6 (A3:4) | | | | | 5.987,90 | 6.083,50 | 6.697,10 | 8.414,60 | | |
| 100 T6 (A3:8) | | | | | 6.366,50 | 6.462,10 | 7.075,70 | 8.793,20 | | |
| 112 T6 (A3:4) | | | | | 7.016,10 | 7.111,70 | 7.725,30 | 9.442,80 | 10.351,40 | |
| 112 T6 (A3:8) | | | | | 7.394,90 | 7.490,50 | 8.104,10 | 9.821,60 | 10.730,20 | |
| 125 T6 (A3:4) | | | | | 7.134,50 | 7.230,10 | 7.843,70 | 9.561,20 | 10.469,80 | 11.635,60 |
| 125 T6 (A3:8) | | | | | 7.513,10 | 7.608,70 | 8.222,30 | 9.939,80 | 10.848,40 | 12.014,20 |

## BOX HBF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 2.171,00 | 2.545,30 | 2.731,30 | 2.789,70 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 2.218,30 | 2.592,60 | 2.778,60 | 2.837,00 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 2.410,20 | 2.784,50 | 2.970,50 | 3.028,90 | 3.145,40 | 3.566,60 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 2.453,70 | 2.828,00 | 3.014,00 | 3.072,40 | 3.188,90 | 3.610,10 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.717,90 | 3.092,20 | 3.278,20 | 3.336,60 | 3.453,10 | 3.874,30 | 3.990,90 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 3.338,90 | 3.397,30 | 3.513,80 | 3.935,00 | 4.051,60 | 4.809,20 | 5.560,60 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 5.500,60 | 5.617,20 | 6.374,80 | 7.126,20 | 7.903,30 | 9.632,60 | 11.207,90 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 6.753,50 | 7.504,90 | 8.282,00 | 10.011,30 | 11.586,60 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 6.522,30 | 7.273,70 | 8.050,80 | 9.780,10 | 11.355,40 | 11.682,40 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 6.900,90 | 7.652,30 | 8.429,40 | 10.158,70 | 11.734,00 | 12.061,00 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 7.550,50 | 8.301,90 | 9.079,00 | 10.808,30 | 12.383,60 | 12.710,60 | 15.432,30 | 17.464,70 | 21.341,50 | |
| 112 T4/T8 (A3:8) | | | | | | | | 7.929,30 | 8.680,70 | 9.457,80 | 11.187,10 | 12.762,40 | 13.089,40 | 15.811,10 | 17.843,50 | 21.720,30 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 8.420,30 | 9.197,40 | 10.926,70 | 12.502,00 | 12.829,00 | 15.550,70 | 17.583,10 | 21.459,90 | 23.313,30 |
| 125 T4/T8 (A3:8) | | | | | | | | | 8.798,90 | 9.576,00 | 11.305,30 | 12.880,60 | 13.207,60 | 15.929,30 | 17.961,70 | 21.838,50 | 23.691,90 |

# BOX HBFX F400

## BOX HBFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 2.249,90 | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 2.302,00 | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 2.513,00 | 2.651,20 | 2.867,10 | | | | | | | | | | | | |
| 63 T4 (A5:6) | 2.560,70 | 2.698,90 | 2.914,80 | 3.142,20 | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.851,30 | 2.989,50 | 3.205,40 | 3.432,80 | 3.680,10 | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 3.499,60 | 3.746,90 | 3.923,60 | | | | | | | | | |
| 90 T4 (A3:4) | | | | | 5.377,80 | 5.554,50 | 6.278,70 | 6.631,90 | 7.877,80 | 8.888,10 | | | | | |
| 90 T4 (A3:8) | | | | | 5.756,50 | 5.933,20 | 6.657,40 | 7.010,60 | 8.256,50 | 9.266,80 | | | | | |
| 100 T4 (A3:4) | | | | | | | 6.440,80 | 6.794,00 | 8.039,90 | 9.050,20 | 10.118,90 | 10.883,30 | | | |
| 100 T4 (A3:8) | | | | | | | 6.819,40 | 7.172,60 | 8.418,50 | 9.428,80 | 10.497,50 | 11.261,90 | | | |
| 112 T4 (A3:4) | | | | | | | | 7.925,10 | 9.171,00 | 10.181,30 | 11.250,00 | 12.014,40 | 14.125,70 | 16.127,00 | |
| 112 T4 (A3:8) | | | | | | | | 8.303,90 | 9.549,80 | 10.560,10 | 11.628,80 | 12.393,20 | 14.504,50 | 16.505,80 | |
| 125 T4 (A3:4) | | | | | | | | | 9.301,40 | 10.311,70 | 11.380,40 | 12.144,80 | 14.256,10 | 16.257,40 | 17.248,40 |
| 125 T4 (A3:8) | | | | | | | | | 9.679,90 | 10.690,20 | 11.758,90 | 12.523,30 | 14.634,60 | 16.635,90 | 17.626,90 |

## BOX HBFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 2.535,80 | | | | | | | | | |
| 50 T6 (A5:6) | 2.587,90 | | | | | | | | | |
| 56 T6 (A5:6) | 2.798,90 | | | | | | | | | |
| 63 T6 (A5:6) | 2.846,60 | | | | | | | | | |
| 71 T6 (A5:6) | 3.137,20 | | | | | | | | | |
| 80 T6 (A5:6) | 3.204,00 | 3.290,60 | 3.687,30 | 3.792,10 | | | | | | |
| 90 T6 (A3:4) | | | 5.318,20 | 5.423,00 | 6.028,60 | 6.124,20 | 6.737,80 | | | |
| 90 T6 (A3:8) | | | 5.696,90 | 5.801,70 | 6.407,30 | 6.502,90 | 7.116,50 | | | |
| 100 T6 (A3:4) | | | | | 6.190,70 | 6.286,30 | 6.899,90 | 8.617,40 | | |
| 100 T6 (A3:8) | | | | | 6.569,30 | 6.664,90 | 7.278,50 | 8.996,00 | | |
| 112 T6 (A3:4) | | | | | 7.321,80 | 7.417,40 | 8.031,00 | 9.748,50 | 10.657,10 | |
| 112 T6 (A3:8) | | | | | 7.700,60 | 7.796,20 | 8.409,80 | 10.127,30 | 11.035,90 | |
| 125 T6 (A3:4) | | | | | 7.452,20 | 7.547,80 | 8.161,40 | 9.878,90 | 10.787,50 | 11.953,30 |
| 125 T6 (A3:8) | | | | | 7.830,70 | 7.926,30 | 8.539,90 | 10.257,40 | 11.166,00 | 12.331,80 |

## BOX HBFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A5:6) | 2.233,30 | 2.607,60 | 2.793,60 | 2.852,00 | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 2.285,40 | 2.659,70 | 2.845,70 | 2.904,10 | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 2.496,40 | 2.870,70 | 3.056,70 | 3.115,10 | 3.231,60 | 3.652,80 | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 2.544,10 | 2.918,40 | 3.104,40 | 3.162,80 | 3.279,30 | 3.700,50 | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.834,70 | 3.209,00 | 3.395,00 | 3.453,40 | 3.569,90 | 3.991,10 | 4.107,70 | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | 3.461,80 | 3.520,20 | 3.636,70 | 4.057,90 | 4.174,50 | 4.932,10 | 5.683,50 | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | | 5.688,80 | 5.805,40 | 6.563,00 | 7.314,40 | 8.091,50 | 9.820,80 | 11.396,10 | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | | 6.941,70 | 7.693,10 | 8.470,20 | 10.199,50 | 11.774,80 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | | 6.725,10 | 7.476,50 | 8.253,60 | 9.982,90 | 11.558,20 | 11.885,20 | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 7.103,70 | 7.855,10 | 8.632,20 | 10.361,50 | 11.936,80 | 12.263,80 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 7.856,20 | 8.607,60 | 9.384,70 | 11.114,00 | 12.689,30 | 13.016,30 | 15.738,00 | 17.770,40 | 21.647,20 | |
| 112 T4/T8 (A3:8) | | | | | | | | 8.235,00 | 8.986,40 | 9.763,50 | 11.492,80 | 13.068,10 | 13.395,10 | 16.116,80 | 18.149,20 | 22.026,00 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 8.738,00 | 9.515,10 | 11.244,40 | 12.819,70 | 13.146,70 | 15.868,40 | 17.900,80 | 21.777,60 | 23.631,00 |
| 125 T4/T8 (A3:8) | | | | | | | | | 9.116,50 | 9.893,60 | 11.622,90 | 13.198,20 | 13.525,20 | 16.246,90 | 18.279,30 | 22.156,10 | 24.009,50 |

# BOX HBF & BOX HBFX F300



**BOX HBF**



**BOX HBFX**

CE 0370
BOX HBF/HBFX F300
Certification:
0370-CPR-2401

60 +info Hz

## AXIAL FAN IN SOUNDPROOF CABINET 300ºC/2H & ATEX

### MANUFACTURING FEATURES

• BOX: Manufactured in galvanised steel sheet with thermalproofing. Soundproofing cabinets with thermo-acoustic insulation, Bs1d0 fire class. Removable panels for easy motor access and fan maintenance.
• Internal fan: HBFX (F300+ATEX) Axial fan, circular reinforced frame from size 45 to 80. For larger sizes uses from 90 to 125 we use model HCFX (F300+ATEX). Motor-impeller assembly through a modular system. Cast aluminium impeller. Polyester powder finishing coat to protect against corrosion.

BOX HBF F300
• Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

BOX HBFX F300
• Aluminum protection ring.
• Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages:400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:
• Smoke emergency exhaust with motor inside the hazardous area.
• Cabinet design simplifies installation in rectangular duct systems.
• Maximum working temperature: 60ºC.

### UNDER REQUEST

• B form impeller (air flow from impeller to motor).
• 100% reversible impeller.

## VENTILADOR HELICOIDAL Y EN CAJA INSONORIZADA 300/2H & ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

• BOX: Caja construida en chapa de acero galvanizado con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
• Ventilador interior: HBFX (F300+ATEX) para tamaños del 45 al 80, HCFX (F300+ATEX) para modelos entre 90 y 125. Ventilador helicoidal de marco redondo reforzado con nervio intermedio. Montaje modular del conjunto motor hélice. Hélice en fundición de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.

BOX HBF F300
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

BOX HBFX F300
• Anillo de protección de aluminio.
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:
• Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
• La construcción en caja facilita muchísimo su instalación en conductos que habitualmente son rectangulares.
• Temperatura máxima de trabajo en continuo: 60ºC.

### BAJO DEMANDA

• Hélice impelente (sentido de aire hélice-motor).
• Hélice reversible 100%.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**VISB** pg.485
Outdoor flange with bird guard for BOX HB series.
Visera intemperie con malla antipájaros para serie BOX HB.

# BOX HBF F300

## BOX HBF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.573,30 | 1.577,60 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.668,00 | 1.672,30 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.620,70 | 1.625,00 | 1.641,90 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.715,20 | 1.719,50 | 1.736,40 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.812,60 | 1.816,90 | 1.833,80 | 1.877,30 | 2.216,10 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.907,30 | 1.911,60 | 1.928,50 | 1.972,00 | 2.310,80 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.855,90 | 1.860,20 | 1.877,10 | 1.920,60 | 2.259,40 | 2.475,40 | | | | | | | | | | |
| 63 T4 (A2:9) | 1.950,60 | 1.954,90 | 1.971,80 | 2.015,30 | 2.354,10 | 2.570,10 | | | | | | | | | | |
| 71 T4 (A2:6) | | 2.124,50 | 2.141,40 | 2.184,90 | 2.523,70 | 2.739,70 | 2.972,30 | | | | | | | | | |
| 71 T4 (A2:9) | | 2.219,20 | 2.236,10 | 2.279,60 | 2.618,40 | 2.834,40 | 3.067,00 | | | | | | | | | |
| 80 T4 (A2:6) | | | 2.202,10 | 2.245,60 | 2.584,40 | 2.800,40 | 3.033,00 | 3.421,80 | 3.804,40 | | | | | | | |
| 80 T4 (A2:9) | | | 2.296,80 | 2.340,30 | 2.679,10 | 2.895,10 | 3.127,70 | 3.516,50 | 3.899,10 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 3.999,80 | 4.232,40 | 4.621,20 | 5.003,80 | 6.165,50 | 7.104,60 | | | | | |
| 90 T4 (A6:6) | | | | | | 4.313,90 | 4.546,50 | 4.935,30 | 5.317,90 | 6.479,60 | 7.418,70 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 4.768,60 | 5.151,20 | 6.312,90 | 7.252,00 | 8.029,20 | 8.735,20 | | | |
| 100 T4 (A6:6) | | | | | | | | 5.082,50 | 5.465,10 | 6.626,80 | 7.565,90 | 8.343,10 | 9.049,10 | | | |
| 112 T4 (A6:3) | | | | | | | | 5.797,00 | 6.179,60 | 7.341,30 | 8.280,40 | 9.057,60 | 9.763,60 | 11.512,40 | 12.736,50 | |
| 112 T4 (A6:6) | | | | | | | | 6.111,00 | 6.493,60 | 7.655,30 | 8.594,40 | 9.371,60 | 10.077,60 | 11.826,40 | 13.050,50 | |
| 125 T4 (A6:3) | | | | | | | | | 6.298,10 | 7.459,80 | 8.398,90 | 9.176,10 | 9.882,10 | 11.630,90 | 12.855,00 | 14.409,30 |
| 125 T4 (A6:6) | | | | | | | | | 6.611,90 | 7.773,60 | 8.712,70 | 9.489,90 | 10.195,90 | 11.944,70 | 13.168,80 | 14.723,10 |

## BOX HBF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.653,30 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.748,00 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.700,70 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.795,20 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.892,60 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.987,30 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.935,90 | 2.112,80 | | | | | | | | | |
| 63 T6 (A2:9) | 2.030,60 | 2.207,50 | | | | | | | | | |
| 71 T6 (A2:6) | 2.200,20 | 2.377,10 | 2.431,20 | | | | | | | | |
| 71 T6 (A2:9) | 2.294,90 | 2.471,80 | 2.525,90 | | | | | | | | |
| 80 T6 (A2:6) | | 2.437,80 | 2.491,90 | 2.650,40 | 2.933,10 | | | | | | |
| 80 T6 (A2:9) | | 2.532,50 | 2.586,60 | 2.745,10 | 3.027,80 | | | | | | |
| 90 T6 (A6:3) | | | | 3.849,80 | 4.132,50 | 4.420,90 | 4.797,80 | | | | |
| 90 T6 (A6:6) | | | | 4.163,90 | 4.446,60 | 4.735,00 | 5.111,90 | | | | |
| 100 T6 (A6:3) | | | | | | 4.568,30 | 4.945,20 | 5.457,40 | 6.252,20 | | |
| 100 T6 (A6:6) | | | | | | 4.882,20 | 5.259,10 | 5.771,30 | 6.566,10 | | |
| 112 T6 (A6:3) | | | | | | 5.596,70 | 5.973,60 | 6.485,80 | 7.280,60 | 8.523,00 | |
| 112 T6 (A6:6) | | | | | | 5.910,70 | 6.287,60 | 6.799,80 | 7.594,60 | 8.837,00 | |
| 125 T6 (A6:3) | | | | | | 5.715,20 | 6.092,10 | 6.604,30 | 7.399,10 | 8.641,50 | 9.495,20 |
| 125 T6 (A6:6) | | | | | | 6.029,00 | 6.405,90 | 6.918,10 | 7.712,90 | 8.955,30 | 9.809,00 |

## BOX HBF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.583,40 | 1.660,50 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.678,10 | 1.755,20 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.630,80 | 1.707,90 | 1.839,40 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.725,30 | 1.802,40 | 1.933,90 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.822,70 | 1.899,80 | 2.031,30 | 2.031,30 | 2.317,00 | 2.483,00 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.917,40 | 1.994,50 | 2.126,00 | 2.126,00 | 2.411,70 | 2.577,70 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.866,00 | 1.943,10 | 2.074,60 | 2.074,60 | 2.360,30 | 2.526,30 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.960,70 | 2.037,80 | 2.169,30 | 2.169,30 | 2.455,00 | 2.621,00 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 2.207,40 | 2.338,90 | 2.338,90 | 2.624,60 | 2.790,60 | 3.264,00 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 2.302,10 | 2.433,60 | 2.433,60 | 2.719,30 | 2.885,30 | 3.358,70 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 2.399,60 | 2.399,60 | 2.685,30 | 2.851,30 | 3.324,70 | 3.753,10 | 4.291,20 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 2.494,30 | 2.494,30 | 2.780,00 | 2.946,00 | 3.419,40 | 3.847,80 | 4.385,90 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 3.884,70 | 4.050,70 | 4.524,10 | 4.952,50 | 5.490,60 | 6.330,90 | 7.523,80 | 8.636,70 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 4.198,80 | 4.364,80 | 4.838,20 | 5.266,60 | 5.804,70 | 6.645,00 | 7.837,90 | 8.950,80 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 5.099,90 | 5.638,00 | 6.478,30 | 7.671,20 | 8.784,10 | 10.844,90 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 5.413,80 | 5.951,90 | 6.792,20 | 7.985,10 | 9.098,00 | 11.158,80 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 6.128,30 | 6.666,40 | 7.506,70 | 8.699,60 | 9.812,50 | 11.873,30 | 12.009,90 | 13.133,30 | 14.434,60 | |
| 112 T4/T8 (A6:6) | | | | | | | | 6.442,30 | 6.980,40 | 7.820,70 | 9.013,60 | 10.126,50 | 12.187,30 | 12.323,90 | 13.447,30 | 14.748,60 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 6.784,90 | 7.625,20 | 8.818,10 | 9.931,00 | 11.991,80 | 12.128,40 | 13.251,80 | 14.553,10 | 18.248,30 |
| 125 T4/T8 (A6:6) | | | | | | | | | 7.098,70 | 7.939,00 | 9.131,90 | 10.244,80 | 12.305,60 | 12.442,20 | 13.565,60 | 14.866,90 | 18.562,10 |

# BOX HBFX F300

## BOX HBFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.635,60 | 1.639,90 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.730,30 | 1.734,60 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.687,60 | 1.691,90 | 1.708,80 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.782,20 | 1.786,50 | 1.803,40 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.898,70 | 1.903,00 | 1.919,90 | 1.963,40 | 2.302,20 | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.993,40 | 1.997,70 | 2.014,60 | 2.058,10 | 2.396,90 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.946,50 | 1.950,80 | 1.967,70 | 2.011,20 | 2.350,00 | 2.566,00 | | | | | | | | | | |
| 63 T4 (A2:9) | 2.041,10 | 2.045,40 | 2.062,30 | 2.105,80 | 2.444,60 | 2.660,60 | | | | | | | | | | |
| 71 T4 (A2:6) | | 2.241,40 | 2.258,30 | 2.301,80 | 2.640,60 | 2.856,60 | 3.089,20 | | | | | | | | | |
| 71 T4 (A2:9) | | 2.336,00 | 2.352,90 | 2.396,40 | 2.735,20 | 2.951,20 | 3.183,80 | | | | | | | | | |
| 80 T4 (A2:6) | | | 2.325,10 | 2.368,60 | 2.707,40 | 2.923,40 | 3.156,00 | 3.544,80 | 3.927,40 | | | | | | | |
| 80 T4 (A2:9) | | | 2.419,70 | 2.463,20 | 2.802,00 | 3.018,00 | 3.250,60 | 3.639,40 | 4.022,00 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 4.188,10 | 4.420,70 | 4.809,50 | 5.192,10 | 6.353,80 | 7.292,90 | | | | | |
| 90 T4 (A6:6) | | | | | | 4.502,00 | 4.734,60 | 5.123,40 | 5.506,00 | 6.667,70 | 7.606,80 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 4.971,40 | 5.354,00 | 6.515,70 | 7.454,80 | 8.232,00 | 8.938,00 | | | |
| 100 T4 (A6:6) | | | | | | | | 5.285,40 | 5.668,00 | 6.829,70 | 7.768,80 | 8.546,00 | 9.252,00 | | | |
| 112 T4 (A6:3) | | | | | | | | 6.102,70 | 6.485,30 | 7.647,00 | 8.586,10 | 9.363,30 | 10.069,30 | 11.818,10 | 13.042,20 | |
| 112 T4 (A6:6) | | | | | | | | 6.416,70 | 6.799,30 | 7.961,00 | 8.900,10 | 9.677,30 | 10.383,30 | 12.132,10 | 13.356,20 | |
| 125 T4 (A6:3) | | | | | | | | | 6.615,70 | 7.777,40 | 8.716,50 | 9.493,70 | 10.199,70 | 11.948,50 | 13.172,60 | 14.726,90 |
| 125 T4 (A6:6) | | | | | | | | | 6.929,50 | 8.091,20 | 9.030,30 | 9.807,50 | 10.513,50 | 12.262,30 | 13.486,40 | 15.040,70 |

## BOX HBFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:6) | 1.715,60 | | | | | | | | | | |
| 45 T6 (A2:9) | 1.810,30 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.767,60 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.862,20 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.978,70 | | | | | | | | | | |
| 56 T6 (A2:9) | 2.073,40 | | | | | | | | | | |
| 63 T6 (A2:6) | 2.026,50 | 2.203,40 | | | | | | | | | |
| 63 T6 (A2:9) | 2.121,10 | 2.298,00 | | | | | | | | | |
| 71 T6 (A2:6) | 2.317,10 | 2.494,00 | 2.548,10 | | | | | | | | |
| 71 T6 (A2:9) | 2.411,70 | 2.588,60 | 2.642,70 | | | | | | | | |
| 80 T6 (A2:6) | | 2.560,80 | 2.614,90 | 2.773,40 | 3.056,10 | | | | | | |
| 80 T6 (A2:9) | | 2.655,40 | 2.709,50 | 2.868,00 | 3.150,70 | | | | | | |
| 90 T6 (A6:3) | | | | 4.038,10 | 4.320,80 | 4.609,20 | 4.986,10 | | | | |
| 90 T6 (A6:6) | | | | 4.352,00 | 4.634,70 | 4.923,10 | 5.300,00 | | | | |
| 100 T6 (A6:3) | | | | | | 4.771,10 | 5.148,00 | 5.660,20 | 6.455,00 | | |
| 100 T6 (A6:6) | | | | | | 5.085,10 | 5.462,00 | 5.974,20 | 6.769,00 | | |
| 112 T6 (A6:3) | | | | | | 5.902,40 | 6.279,30 | 6.791,50 | 7.586,30 | 8.828,70 | |
| 112 T6 (A6:6) | | | | | | 6.216,40 | 6.593,30 | 7.105,50 | 7.900,30 | 9.142,70 | |
| 125 T6 (A6:3) | | | | | | 6.032,80 | 6.409,70 | 6.921,90 | 7.716,70 | 8.959,10 | 9.812,80 |
| 125 T6 (A6:6) | | | | | | 6.346,60 | 6.723,50 | 7.235,70 | 8.030,50 | 9.272,90 | 10.126,60 |

## BOX HBFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,5/1,5 | 11/3 | 14/3,5 | 17/4,3 | 20/5 | 28/6,5 | 30/8 | 37/9,2 | 44/11 |
| 45 T4/T8 (A2:6) | 1.645,70 | 1.722,80 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.740,40 | 1.817,50 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.697,70 | 1.774,80 | 1.906,30 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.792,30 | 1.869,40 | 2.000,90 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.908,80 | 1.985,90 | 2.117,40 | 2.117,40 | 2.403,10 | 2.569,10 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 2.003,50 | 2.080,60 | 2.212,10 | 2.212,10 | 2.497,80 | 2.663,80 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.956,60 | 2.033,70 | 2.165,20 | 2.165,20 | 2.450,90 | 2.616,90 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 2.051,20 | 2.128,30 | 2.259,80 | 2.259,80 | 2.545,50 | 2.711,50 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 2.324,30 | 2.455,80 | 2.455,80 | 2.741,50 | 2.907,50 | 3.380,90 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 2.418,90 | 2.550,40 | 2.550,40 | 2.836,10 | 3.002,10 | 3.475,50 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 2.522,60 | 2.522,60 | 2.808,30 | 2.974,30 | 3.447,70 | 3.876,10 | 4.414,20 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 2.617,20 | 2.617,20 | 2.902,90 | 3.068,90 | 3.542,30 | 3.970,70 | 4.508,80 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 4.073,00 | 4.239,00 | 4.712,40 | 5.140,80 | 5.678,90 | 6.519,20 | 7.712,10 | 8.825,00 | | | | | |
| 90 T4/T8 (A6:6) | | | | | 4.386,90 | 4.552,90 | 5.026,30 | 5.454,70 | 5.992,80 | 6.833,10 | 8.026,00 | 9.138,90 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 5.302,70 | 5.840,80 | 6.681,10 | 7.874,00 | 8.986,90 | 11.047,70 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 5.616,70 | 6.154,80 | 6.995,10 | 8.188,00 | 9.300,90 | 11.361,70 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 6.434,00 | 6.972,10 | 7.812,40 | 9.005,30 | 10.118,20 | 12.179,00 | 12.315,60 | 13.439,00 | 14.740,30 | |
| 112 T4/T8 (A6:6) | | | | | | | | 6.748,00 | 7.286,10 | 8.126,40 | 9.319,30 | 10.432,20 | 12.493,00 | 12.629,60 | 13.753,00 | 15.054,30 | |
| 125 T4/T8 (A6:3) | | | | | | | | | 7.102,50 | 7.942,80 | 9.135,70 | 10.248,60 | 12.309,40 | 12.446,00 | 13.569,40 | 14.870,70 | 18.565,90 |
| 125 T4/T8 (A6:6) | | | | | | | | | 7.416,30 | 8.256,60 | 9.449,50 | 10.562,40 | 12.623,20 | 12.759,80 | 13.883,20 | 15.184,50 | 18.879,70 |

# IGNÉO



IGNÉO 311-451



IGNÉO 501-711

ErP | 60 +info Hz

CE 0370 IGNÉO
Certification: 0370-CPR-3221

## MEDIUM PRESSURE WITH BACKWARD IMPELLER 400ºC/2H CERTIFIED INSIDE THE HAZARDOUS AREA

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black RAL 9005 finishing coat.
- Motor with S1 service class for continuous operation and approved 400ºC / 2h for service class S2. IEC standardized asynchronous squirrel-cage motor with IP-55 protection and electrical insulation class H. Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400(D) 50Hz for higher powers.
- Motor with foot (B3) supported on motor support foot.
- Models of size 560 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Inspection door to facilitate maintenance and cleaning.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: air transported: 130ºC (service S1) and 400ºC/2h (service S2), and maximum environment temperature: 60ºC.

### APPLICATIONS

Inlet and outlet duct installation in clean or slightly dusty air environments:

- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Parking lots
- Catering / Hospitality
- Extraction of smoke
- Boilers and ovens
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.

### UNDER REQUEST

- Special voltages.
- 2 speed motor.
- C4-C5.
- Hot dip galvanized.
- Fully welded housing (watertight).
- Drain plug.

## VENTILADOR CENTRÍFUGO CON ÁLABES CURVADOS HACIA ATRÁS Y CERTIFICADO 400ºC/2H

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor con clase de servicio S1 para funcionamiento en continuo y homologado 400ºC/2h para clase de servicio S2. Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase H. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V(D) 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Puerta de inspección para facilitar mantenimiento y limpieza.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC (servicio S1), 400ºC/2h (servicio S2) y máxima temperatura ambiente: 60ºC.

### APLICACIONES

Instalación en conducto para la impulsión o la aspiración con aire limpio o polvoriento en:

- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Estacionamientos.
- Restauración / Hostelería.
- Extracción de humos.
- Calderas y hornos.
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

### BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- C4-C5.
- Galvanizado en caliente.
- Carcasa estanca totalmente soldada.
- Drenaje.

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**RA** pg.459
Inlet protection guard.
Rejilla de protección.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RIS** pg.458
Outlet protection guard.
Rejilla de protección.



**EIS** pg.482
Connection to be fitted in the centrifugal fans outlet.
Brida de conexión para boca de impulsión rectangular de ventiladores centrífugo.



**BIDS M0** pg.491
Rectangular-rectangular couplig flange.
Brida de acoplamiento rectangular-rectangular.



**BADS M0** pg.476
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**CPD** pg.475
Frontal feet suport.
Conjunto pie soporte delantero.



**CPDMP** pg.476
Multiposition frontal feet support.
Conjunto pie frontal multiposición.

## SMOKE EXHAUST. INSIDE 400ºC/2H & 300ºC/2H
## DESENFUMAJE. INMERSOS 400ºC/2H & 300ºC/2H

Homologación oficial APPLUS según norma EN 12101-3:2015.

Casals
soul made fans

### THREE PHASE RANGE | SERIE TRIFÁSICA

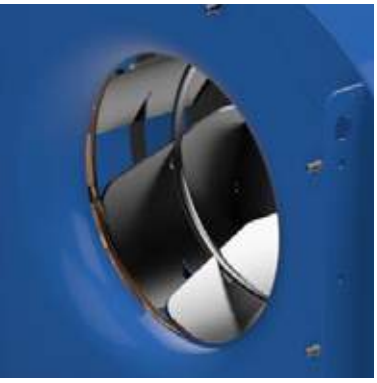
#### 4 pole | 4 polos

| Code* | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código* | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| IG311480 | IGNÉO 311 T4 0,55kW | 1398 | 1,42 | 0,55 | 2.490 | 43 | 43 | **2.342,20** |
| IG351480 | IGNÉO 351 T4 0,55kW | 1398 | 1,42 | 0,55 | 3.560 | 47 | 65 | **2.470,10** |
| IG401480 | IGNÉO 401 T4 0,55kW | 1398 | 1,42 | 0,55 | 5.080 | 51 | 75 | **2.642,60** |
| IG451490 | IGNÉO 451 T4 1,1kW | 1392 | 2,7 | 1,10 | 7.240 | 54 | 94 | **3.033,60** |
| IG501490 | IGNÉO 501 T4 1,5kW | 1410 | 3,6 | 1,50 | 9.930 | 57 | 130 | **3.442,50** |
| IG5614100 | IGNÉO 561 T4 3kW | 1420 | 6,12 | 3,00 | 13.940 | 61 | 158 | **4.388,10** |
| IG6314132 | IGNÉO 631 T4 5,5kW | 1450 | 10,58 | 5,50 | 19.850 | 65 | 214 | **5.418,80** |
| IG7114132 | IGNÉO 711 T4 7,5kW | 1453 | 14,46 | 7,50 | 28.410 | 68 | 315 | **6.420,70** |

#### 6 pole | 6 polos

| Code* | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código* | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| IG501680 | IGNÉO 501 T6 0,55kW | 910 | 1,49 | 0,55 | 6.620 | 49 | 117 | **3.304,00** |
| IG561690 | IGNÉO 561 T6 0,75kW | 925 | 1,95 | 0,75 | 9.300 | 52 | 145 | **3.728,50** |
| IG6316100 | IGNÉO 631 T6 1,5kW | 940 | 3,71 | 1,50 | 13.240 | 56 | 180 | **4.533,20** |
| IG7116132 | IGNÉO 711 T6 3kW | 960 | 7,3 | 3,00 | 18.940 | 59 | 276 | **5.923,20** |

* This code corresponds to the LG270 model
* Este código corresponde al modelo LG270














NIMUS ATEX  PRESTUR ATEX

Folleto

Storm industrial

Brochure

# BOX RLF & BOX RLFX



ErP

60 +info Hz

CE 0370
BOX RLF/RLFX
Certification:
0370-CPR-0582

## BACKWARD CENTRIFUGAL IMPELLER IN SOUND-PROOF CABINET 400ºC/2H & ATEX

### MANUFACTURING FEATURES

- Box manufactured in galvanised steel sheet.
- Circular inlet flange.
- Backward impeller with self-cleaning system, direct coupling motor.

BOX RLF

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

BOX RLFX

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400ºC/2h and ATEX Zone 2: fan: Ex h IIB T3 Gc and motor:Ex ec IIC T3 Gc. Manufactured with standard voltages:400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

- Exchangeable pannels.
- Open outlet

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum continuous working temperature: 60ºC.
- Smoke extraction in case of fire with motor inside the hazardous area (400ºC/2h).

## CENTRÍFUGO A REACCIÓN 400ºC/2H & ATEX EN CAJA INSONORIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja construida en chapa de acero galvanizado.
- Brida circular a la aspiración.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción). Motor acoplado directamente al rodete.

BOX RLF

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

BOX RLFX

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400ºC/2h y ATEX Zona 2: ventilador: Ex h IIB T3 Gc y motor: Ex ec IIC T3 Gc. Voltajes estándar 400V(Y) 50Hz para motores trifásicos hasta 3kW y 400V 50Hz para potencias superiores y motores 2 velocidades. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

- Paneles intercambiables.
- Impulsión abierta.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 60ºC.
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo (400ºC/2h).

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**TIAC** pg.444
Cover to do the connection in circular ducts.
Tapa que permite la conexión a conducto circular.

# BOX RLF F400

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 241390186 | BOX RLF 400 T4 0,75kW | 1415 | 1,95 | 0,75 | 4.960 | 50 | 115 | **3.768,30** |
| 241460186 | BOX RLF 450 T4 1,1kW | 1430 | 2,7 | 1,1 | 6.580 | 55 | 142 | **3.855,40** |
| 241520186 | BOX RLF 500 T4 1,5kW | 1435 | 3,6 | 1,5 | 8.490 | 60 | 147 | **3.911,70** |
| 241600186 | BOX RLF 560 T4 2,2kW | 1455 | 4,55 | 2,2 | 12.850 | 62 | 187 | **4.339,70** |
| 241670186 | BOX RLF 630 T4 4kW | 1428 | 8,57 | 4 | 19.080 | 66 | 198 | **6.715,60** |
| 241770186 | BOX RLF 710 T4 7,5kW | 1455 | 14,46 | 7,5 | 21.350 | 75 | 263 | **7.441,20** |

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 241440186 | BOX RLF 400 T6 0,55kW | 920 | 1,69 | 0,55 | 2.770 | 40 | 115 | **3.768,10** |
| 241470186 | BOX RLF 450 T6 0,55kW | 920 | 1,69 | 0,55 | 4.370 | 45 | 141 | **3.872,40** |
| 241540186 | BOX RLF 500 T6 0,55kW | 920 | 1,69 | 0,55 | 5.590 | 50 | 146 | **4.107,70** |
| 241620186 | BOX RLF 560 T6 0,75kW | 920 | 2,2 | 0,75 | 8.130 | 52 | 176 | **4.268,90** |
| 241660186 | BOX RLF 630 T6 1,5kW | 960 | 3,6 | 1,5 | 12.710 | 42 | 218 | **4.732,00** |
| 241760186 | BOX RLF 710 T6 2,2kW | 960 | 5,23 | 2,2 | 16.560 | 46 | 273 | **5.976,60** |
| 241840186 | BOX RLF 800 T6 4kW | 945 | 8,97 | 4 | 20.950 | 48 | 339 | **7.327,90** |

### THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES
#### 4/8 pole | 4/8 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2415201862V | BOX RLF 500 T4/T8 1,5/0,3kW | 715/1430 | 3,26/0,88 | 1,5 / 0.3 | 8.400 | 60 | 147 | **4.433,80** |
| 2416001862V | BOX RLF 560 T4/T8 2,2/0,45kW | 715/1430 | 5,08/1,28 | 2,2 / 0.45 | 12.850 | 49 | 187 | **4.990,40** |
| 2416701862V | BOX RLF 630 T4/T8 4/0,75kW | 1430/721 | 8,6/2,6 | 4/0,75 | 19.080 | 66 | 198 | **7.723,20** |
| 2417701862V | BOX RLF 710 T4/T8 7,5/1,5kW | 730/1460 | 14,9/3,7 | 7,5 / 1.5 | 21.350 | 75 | 273 | **8.557,30** |

# BOX RLFX F400

### THREE PHASE RANGE | SERIE TRIFÁSICA
#### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 241390196 | BOX RLFX 400 T4 0,75kW | 1415 | 1,95 | 0,75 | 4.960 | 50 | 115 | **4.446,60** |
| 241460196 | BOX RLFX 450 T4 1,1kW | 1430 | 2,7 | 1,1 | 6.580 | 55 | 142 | **4.549,20** |
| 241520196 | BOX RLFX 500 T4 1,5kW | 1435 | 3,6 | 1,5 | 8.490 | 60 | 147 | **4.615,90** |
| 241600196 | BOX RLFX 560 T4 2,2kW | 1455 | 4,55 | 2,2 | 12.850 | 62 | 187 | **5.120,90** |
| 241670196 | BOX RLFX 630 T4 4kW | 1428 | 8,57 | 4 | 19.080 | 66 | 198 | **7.924,40** |
| 241770196 | BOX RLFX 710 T4 7,5kW | 1455 | 14,46 | 7,5 | 21.350 | 75 | 263 | **8.780,40** |

#### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 241440196 | BOX RLFX 400 T6 0,55kW | 920 | 1,69 | 0,55 | 2.770 | 40 | 115 | **4.446,30** |
| 241470196 | BOX RLFX 450 T6 0,55kW | 920 | 1,69 | 0,55 | 4.370 | 45 | 141 | **4.569,40** |
| 241540196 | BOX RLFX 500 T6 0,55kW | 920 | 1,69 | 0,55 | 5.590 | 50 | 146 | **4.847,00** |
| 241620196 | BOX RLFX 560 T6 0,75kW | 920 | 2,2 | 0,75 | 8.130 | 52 | 176 | **5.037,50** |
| 241660196 | BOX RLFX 630 T6 1,5kW | 960 | 3,6 | 1,5 | 12.710 | 42 | 218 | **5.584,00** |
| 241760196 | BOX RLFX 710 T6 2,2kW | 960 | 5,23 | 2,2 | 16.560 | 46 | 273 | **7.052,80** |
| 241840196 | BOX RLFX 800 T6 4kW | 945 | 8,97 | 4 | 20.950 | 48 | 339 | **8.646,90** |

### THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES
#### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2415201962V | BOX RLFX 500 T4/T8 1,5/0,3kW | 715/1430 | 3,26/0,88 | 1,5 / 0.3 | 8.400 | 60 | 147 | **5.231,70** |
| 2416001962V | BOX RLFX 560 T4/T8 2,2/0,45kW | 715/1430 | 5,08/1,28 | 2,2 / 0.45 | 12.850 | 49 | 187 | **5.888,70** |
| 2416701962V | BOX RLFX 630 T4/T8 4/0,75kW | 1430/721 | 8,6/2,6 | 4/0,75 | 19.080 | 66 | 198 | **9.113,10** |
| 2417701962V | BOX RLFX 710 T4/T8 7,5/1,5kW | 730/1460 | 14,9/3,7 | 7,5 / 1.5 | 21.350 | 75 | 273 | **10.097,50** |



EEC

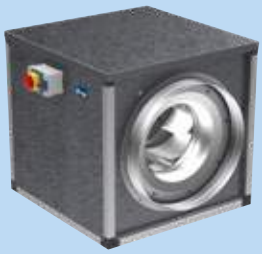
Plus EEC



## ENKELBOX
Cased fans | Cajas de ventilación

Filter EEC





Plus EEC & tejadillo

Folleto

Brochure

# CTH3-A F400



ErP | 60 +info Hz

CE 0370
CTH3-A F400
Certification:
0370-CPR-2656

## F400 BACKWARD CENTRIFUGAL ROOF FAN

### MANUFACTURING FEATURES

- Roof cowl made of aluminium.
- Structure, roof base support and bird protection guard made of galvanized steel.
- High efficiency backward curved impeller with self-cleaning system and made of in steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation. Manufactured with standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4 kW, 400/690 for higher power and single speed motors and 400V 50Hz for 2 speed.

### APPLICATIONS

Specially designed for roof installation, they are suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area.
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous working temperature: carried air 110ºC, environment 60ºC for three phase and 50ºC for single phase motors.

## CENTRÍFUGO A REACCIÓN DE TEJADO F400

### CARACTERÍSTICAS CONSTRUCTIVAS

- Sombrerete de protección en aluminio.
- Estructura, marco soporte de adaptación a tejado y rejilla de protección antipájaros en acero galvanizado.
- Turbinas de álabes curvados hacia atrás de alto rendimiento con sistema autolimpiante y construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos para motores hasta 4 kW, 400/690 para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

### APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:

- Extracción de humos.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado 110ºC, ambiente 60ºC en motores trifásicos y 50ºC en monofásicos.

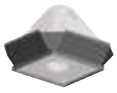
## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**KV** pg.501
Vertical kit for roof fans.
Kit vertical para ventiladores de tejado.



**BTI** pg.476
Inclined roof support.
Base tejadillo inclinable.



**KB/KF** pg.474
Fixing/tilting kit for CTH3-A.
Kit de fijación/basculante para CTH3-A.



**CMP-HLT** pg.463
High temperature damper for vertical position
Compuerta de alta temperatura para posición vertical

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 279710106A | CTH3-A 710 T6 2,2kW F400 | 965 | 10,3 | 5,94 | 2,20 | 18.940 | 59 | 170 | **3.159,00** |
| 279800106A | CTH3-A 800 T6 4kW F400 | 960 | 16,5 | 9,46 | 4,00 | 27.090 | 62 | 205 | **3.799,10** |
| 279900106A | CTH3-A 900 T6 11kW F400 | 965 | - | 22,6 | 11,00 | 37.660 | 67 | 250 | **5.880,00** |

### 8 pole | 8 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 279100106A | CTH3-A 1000 T8 7,5kW F400 | 725 | 17,00 | 7,50 | 39.590 | 65 | 411 | **6.602,50** |

# KENTALROOF & KENTALROOF-A F400

NEW NUEVO



**KENTALROOF F400**



**KENTALROOF - A F400**



Sistema abatible
Hinged system

60 +info Hz | ErP

CE 0370
**ENKELROOF / ENKELROOF-A F400**
Certification:
**0370-CPR-7343**

## ROOF FAN WITH HINGED SYSTEM, AND ABS & ALUMINIUM COWL F400

### MANUFACTURING FEATURES

• ABS protection cowl (KENTALROOF F400) and in anticorrosive treated aluminum (KENTALROOF-A F400) easily removable for access to motor and impeller thanks to the integrated hinged system. The ABS cowl is characterized by its toughness, resistance to impacts and is able to withstand extreme ambient temperatures. 100% of the ABS used in the this cowl is recycled.
• The design of the cowl with a rounded shape is specific to minimize the risk of water ingress due to rain.
• Equipped with a hinged system to open the motor-impeller set. This system allows easy maintenance and cleaning of the set without the need to disassemble the entire structure. The opening is possible in 2 inclinations: approximately 45º and 90º, as required by the intervention.
• Structure in anticorrosive galvanized steel and support frame for adaptation to the roof with anti-bird protection grid.
• High-performance, backward-curved blade (reaction) impellers designed to work without scroll. Self-cleaning system, built in galvanized steel treated with anti-corrosion.
• Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages 230/400V 50Hzfor three phase motors up to 4kW & 400/690V 50Hz for higher powers and 400V 50Hz for 2 speed motors.

### APPLICATIONS

Designed for deck or roof mounting, they are indicated for:
• Smoke extraction.
• Air renewal in all types of buildings and industries.
• Maximum continuous working temperature: transported air 80ºC, ambient 60ºC to -25ºC in three-phase motors.

## VENTILADOR DE TEJADO ABATIBLE CON SOMBRERO ABS & ALUMINIO F400

### CARACTERÍSTICAS CONSTRUCTIVAS

• Sombrero de protección en ABS (KENTALROOF F400) y en aluminio tratado anticorrosivo (KENTALROOF-A F400) fácilmente extraíble para acceso a motor y turbina gracias al sistema abatible integrado. El sombrero en ABS se caracteriza por su tenacidad, resistencia a impactos y es capaz de soportar temperaturas ambiente extremas. El 100% del ABS usado en el sombrero es reciclado.
• El diseño del sombrero con forma redondeada es específico para minimizar los riesgos de entrada de agua por lluvia (incluso racheada).
• Dotado de sistema batiente para la apertura del conjunto motor-turbina. Este sistema permite el fácil mantenimiento y limpieza del conjunto sin necesidad de desmontar toda la estructura. La apertura es posible en 2 inclinaciones: 45º y 90º aproximadamente, según requiera la intervención.
• Estructura en acero galvanizado anticorrosivo y marco soporte de adaptación a tejado con rejilla de protección antipájaros.
• Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento, diseñadas para trabajar sin voluta o scroll. Con sistema autolimpiante, equilibradas estáticamente. Construidas en acero galvanizado tratado anticorrosivo.
• Motor de jaula de ardilla asíncrono estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos de una velocidad hasta 4kW y 400/690V 50Hz parapotencias superiores y 400V 50Hz para motores 2 velocidades.

### APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:
• Extracción de humos.
• Renovación de aire en todo tipo de edificios e industrias.
• Temperatura máxima de trabajo en continuo: aire transportado 80ºC, ambiente 60ºC a -25ºC en motores trifásicos.

## ACCESSORIES ACCESORIOS



**AC** pg.479
Conection flange
Brida conexión



**BAD** pg.484
Circular-circular anti-vibration flange
Brida antivibratoria circular-circular



**BTI** pg.476
Inclined roof support
Base tejadillo inclinable



**BTI+ACMP** pg.477
Suitable for install a CMP-HUT in a roof fan using a BTI.
Accesorio adecuado para instalar una CMP-HUT a un ventildor de tejado con BTI.



**BTI+ACMP+AMC** pg.478
Suitable for install both CMP-HUT and ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar a la vez CMP-HUT y ASIL a un ventildor de tejado con BTI.



**BTI+AMC** pg.477
Suitable for installa ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar una ASIL a un ventildor de tejado con BTI.



**CMP-HUT** pg.462
High temperature damper for horizontal/vertical position.
Compuerta de alta temperatura para posición horizontal/vertical.



**INT** pg.515
Safety switch.
Interruptor de corte.



**KV** pg.501
Vertical kit for roof fans
Kit vertical para ventiladores de tejado



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**SIL-C** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



**SIL-CN** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.

## KENTALROOF F400

### THREE PHASE RANGE SERIE TRIFÁSICA

### 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27931471PA | KENTALROOF 315 T4 0,25kW F400 | 1400 | 1,38 | 0,79 | 0,25 | 2.590 | 43 | 35,50 | **1.073,40** |
| 27935471PA | KENTALROOF 355 T4 0,25kW F400 | 1400 | 1,38 | 0,79 | 0,25 | 3.610 | 45 | 41 | **1.131,60** |
| 27940480PA | KENTALROOF 400 T4 0,55kW F400 | 1440 | 2,57 | 1,49 | 0,55 | 5.340 | 48 | 45 | **1.247,60** |
| 27945490PA | KENTALROOF 450 T4 1,1kW F400 | 1450 | 4,33 | 2,49 | 1,10 | 7.870 | 52 | 85 | **1.490,70** |
| 27950491PA | KENTALROOF 500 T4 1,5kW F400 | 1450 | 5,67 | 3,26 | 1,50 | 10.430 | 55 | 96 | **1.937,10** |
| 279564100PA | KENTALROOF 560 T4 3kW F400 | 1420 | 10,7 | 6,17 | 3,00 | 15.040 | 55 | 104 | **2.236,50** |
| 279634132PA | KENTALROOF 630 T4 5,5kW F400 | 1460 | - | 10,5 | 5,50 | 22.550 | 60 | 140 | **2.857,10** |

### 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27950680PA | KENTALROOF 500 T6 0,55kW F400 | 900 | 3,00 | 1,8 | 0,55 | 6.850 | 46 | 95 | **1.936,20** |
| 27956690PA | KENTALROOF 560 T6 1,1kW F400 | 925 | 4,83 | 2,78 | 1,10 | 10.020 | 46 | 103 | **2.201,60** |
| 279634100PA | KENTALROOF 630 T6 1,5kW F400 | 940 | 6,45 | 3,71 | 1,50 | 14.820 | 51 | 130 | **2.475,00** |

### THREE PHASE RANGE 2 SPEEDS SERIE TRIFÁSICA 2 VELOCIDADES

### T4/T8 POLE T4/T8 POLOS

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471PA2V | KENTALROOF 315 T4/T8 0,25/0,03kW F400 | 1370 | 1,13/0,37 | 0,25 | 2.590 | 35,50 | **1.105,00** |
| 27935471PA2V | KENTALROOF 355 T4/T8 0,25/0,03kW F400 | 1370 | 1,13/0,37 | 0,25 | 3.610 | 41 | **1.165,00** |
| 27940480PA2V | KENTALROOF 400 T4/T8 0,75/0,12kW F400 | 1400 | 2,03/0,68 | 0,75 | 5.340 | 45 | **1.405,00** |
| 27945490PA2V | KENTALROOF 450 T4/T8 1,1/0,18kW F400 | 1400 | 2,67/1,08 | 1,10 | 7.870 | 85 | **1.605,00** |
| 27950491PA2V | KENTALROOF 500 T4/T8 1,5/0,25kW F400 | 1400 | 3,46/1,27 | 1,50 | 10.430 | 96 | **2.070,00** |
| 279564100PA2V | KENTALROOF 560 T4/T8 3/0,55kW F400 | 1430 | 6,53/2,33 | 3,00 | 15.040 | 104 | **2.425,00** |
| 279634132PA2V | KENTALROOF 630 T4/T8 5,5/1,1kW F400 | 1450 | 10,73/3,82 | 5,50 | 22.550 | 140 | **3.305,00** |

## KENTALROOF-A F400

### THREE PHASE RANGE SERIE TRIFÁSICA

### 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 27931471AL | KENTALROOF-A 315 T4 0,25kW F400 | 1400 | 1,38 | 0,79 | 0,25 | 2.590 | 35,50 | **1.110,40** |
| 27935471AL | KENTALROOF-A 355 T4 0,25kW F400 | 1400 | 1,38 | 0,79 | 0,25 | 3.610 | 41 | **1.163,40** |
| 27940480AL | KENTALROOF-A 400 T4 0,55kW F400 | 1440 | 2,57 | 1,49 | 0,55 | 5.340 | 45 | **1.279,60** |
| 27945490AL | KENTALROOF-A 450 T4 1,1kW F400 | 1450 | 4,33 | 2,49 | 1,10 | 7.870 | 85 | **1.594,30** |
| 27950491AL | KENTALROOF-A 500 T4 1,5kW F400 | 1450 | 5,67 | 3,26 | 1,50 | 10.430 | 96 | **2.053,50** |
| 279564100AL | KENTALROOF-A 560 T4 3kW F400 | 1420 | 10,7 | 6,17 | 3,00 | 15.040 | 104 | **2.354,20** |
| 279634132AL | KENTALROOF-A 630 T4 5,5kW F400 | 1460 | - | 10,5 | 5,50 | 22.550 | 140 | **2.965,20** |

### 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 27950680AL | ENTALROOF-A 500 T6 0,55kW F400 | 900 | 3,00 | 1,8 | 0,55 | 6.850 | - | 95 | **2.057,80** |
| 27956690AL | KENTALROOF-A 560 T6 1,1kW F400 | 925 | 4,83 | 2,78 | 1,10 | 10.020 | - | 103 | **2.319,10** |
| 279634100AL | KENTALROOF-A 630 T6 1,5kW F400 | 940 | 6,45 | 3,71 | 1,50 | 14.820 | - | 130 | **2.582,20** |

## THREE PHASE RANGE 2 SPEEDS SERIE TRIFÁSICA 2 VELOCIDADES
## T4/T8 POLE T4/T8 POLOS

| Code<br>Código | Model<br>Modelo | R.P.M.<br>R.P.M. | Rated I (A) 400V<br>I nominal (A) 400V | Rat.Pow. kW<br>P. Nom. kW | Air flow m³/h<br>Q máx. m³/h | Weight Kg<br>Peso Kg | R.R.P. €<br>P.V.P € |
|---|---|---|---|---|---|---|---|
| 27931471AL2V | KENTALROOF-A 315 T4/T8 0,25/0,03kW F400 | 1370 | 1,13/0,37 | 0,25 | 2.590 | 35,50 | **1.145,00** |
| 27935471AL2V | KENTALROOF-A 355 T4/T8 0,25/0,03kW F400 | 1370 | 1,13/0,37 | 0,25 | 3.610 | 41 | **1.195,00** |
| 27940480AL2V | KENTALROOF-A 400 T4/T8 0,75/0,12kW F400 | 1400 | 2,03/0,68 | 0,75 | 5.340 | 45 | **1.440,00** |
| 27945490AL2V | KENTALROOF-A 450 T4/T8 1,1/0,18kW F400 | 1400 | 2,67/1,08 | 1,10 | 7.870 | 85 | **1.715,00** |
| 27950491AL2V | KENTALROOF-A 500 T4/T8 1,5/0,25kW F400 | 1400 | 3,46/1,27 | 1,50 | 10.430 | 96 | **2.195,00** |
| 279564100AL2V | KENTALROOF-A 560 T4/T8 3/0,55kW F400 | 1430 | 6,53/2,33 | 3,00 | 15.040 | 104 | **2.550,00** |
| 279634132AL2V | KENTALROOF-A 630 T4/T8 5,5/1,1kW F400 | 1450 | 10,73/3,82 | 5,50 | 22.550 | 140 | **3.430,00** |

# BVFC F400



9/9 - 18/18



20/20 - 30/28

ErP

60 +info Hz

CE 0370
BVFC F400
Certification:
0370-CPR-0723

## BELT DRIVEN CENTRIFUGAL CABINET FAN 400ºC/2H

### MANUFACTURING FEATURES

- Fans in compact thermal and soundproof cabinets with motor and belt driven set outside the airstream.
- Double inlet forward curved impeller.
- Belt driven bearings specially designed for high temperatures.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher power and single speed motors and 400V 50Hz for 2 speed.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Smoke emergency exhaust with motor outside the hazardous area.
- Industrial and professional kitchen hoods.
- Maximum continuous working temperature: carried air 110ºC; environment: 60ºC.

### UNDER REQUEST

- Vertical discharge. 10% additional cost.
- Weather protective roof for sizes from 20/20 to 30/28.

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

## CENTRÍFUGO A TRANSMISIÓN EN CAJA 400ºC/2H

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador montado en caja compacta de reunión de chapa galvanizada con motor y conjunto de transmisión fuera del flujo del aire.
- Turbina multipala de doble aspiración.
- Rodamientos de la transmisión especiales para alta temperatura.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 110ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Impulsión vertical, con incremento del 10% sobre el PVP.
- Tejadillo para los tamaños del 20/20 al 30/28.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**VIS** pg.496
Flange with bird guard.
Visera con malla antipájaros.



**PI** pg.461
Gravitty shutter to be fitted on centrifugal fans.
Persiana de sobrepresión para montaje en ventiladores centrífugos.



**TEJ** pg.497
Weather protective roof.
Tejadillo de acero galvanizado.



**TCA** pg.493
Inlet blind cover.
Tapa ciega aspiración



**TIAC** pg.444
Cover to do the connection in circular ducts.
Tapa que permite la conexión a conducto circular.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BAC** pg.495
Rectangular-circular anti-vibration flange.
Brida antivibratoria rectangular-circular.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BVFC 9/9 | **1.505,10** | **1.527,20** | **1.533,30** | **1.588,10** | | | | | | | | |
| BVFC 10/10 | **1.606,60** | **1.628,70** | **1.634,80** | **1.689,60** | **1.746,70** | | | | | | | |
| BVFC 12/12 | **1.830,10** | **1.852,20** | **1.858,30** | **1.913,10** | **1.970,20** | **2.093,00** | | | | | | |
| BVFC 15/15 | | **2.303,90** | **2.310,00** | **2.364,80** | **2.421,90** | **2.544,70** | **2.654,90** | **2.817,70** | | | | |
| BVFC 18/18 | | | | **2.868,10** | **2.925,20** | **3.048,00** | **3.158,20** | **3.321,00** | **3.568,40** | | | |
| BVFC 20/20 | | | | | **5.008,70** | **5.131,50** | **5.241,70** | **5.404,50** | **5.651,90** | **5.863,80** | | |
| BVFC 22/22 | | | | | | **5.639,50** | **5.749,70** | **5.912,50** | **6.159,90** | **6.371,80** | **7.041,00** | |
| BVFC 25/25 | | | | | | **6.540,50** | **6.650,70** | **6.813,50** | **7.060,90** | **7.272,80** | **7.942,00** | |
| BVFC 30/28 | | | | | | **7.333,50** | **7.443,70** | **7.606,50** | **7.853,90** | **8.065,80** | **8.735,00** | **9.002,10** |

## SMOKE EXHAUST. OUTSIDE 400ºC/2H
## DESENFUMAJE. A TRASIEGO 400ºC/2H
Homologación oficial APPLUS según norma EN 12101-3:2015.

Casals
soul made fans

### THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,33/0,04 | 0,55/0,09 | 0,75/0,12 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 |
| BVFC 9/9 2V | 1.538,40 | 1.593,60 | 1.640,90 | 1.691,50 | | | | | | | | |
| BVFC 10/10 2V | 1.640,50 | 1.695,70 | 1.743,00 | 1.793,60 | 1.861,10 | | | | | | | |
| BVFC 12/12 2V | 1.864,00 | 1.919,20 | 1.966,50 | 2.017,10 | 2.084,60 | 2.253,30 | | | | | | |
| BVFC 15/15 2V | | 2.372,20 | 2.419,50 | 2.470,10 | 2.537,60 | 2.706,30 | 2.807,50 | 3.026,80 | | | | |
| BVFC 18/18 2V | | | | 2.975,10 | 3.042,60 | 3.211,30 | 3.312,50 | 3.531,80 | 3.936,70 | | | |
| BVFC 20/20 2V | | | | | 5.162,00 | 5.330,70 | 5.431,90 | 5.651,20 | 6.056,10 | 6.258,60 | | |
| BVFC 22/22 2V | | | | | | 5.817,10 | 5.918,30 | 6.137,60 | 6.542,50 | 6.745,00 | 7.140,00 | |
| BVFC 25/25 2V | | | | | | 6.717,00 | 6.818,20 | 7.037,50 | 7.442,40 | 7.644,90 | 8.039,90 | |
| BVFC 30/28 2V | | | | | | 7.519,50 | 7.620,70 | 7.840,00 | 8.244,90 | 8.447,40 | 8.842,40 | 9.183,80 |



Casals
soul made fans

# > ERELIS <
> 100/120/150



> EXTRACTOR **ULTRA SILENCIOSO** Y **DELGADO** CON COMPUERTA ANTIRRETORNO <

> **ULTRA QUIET** AND **SLIM** EXTRACTOR WITH BACKDRAUGHT DAMPER <





# > TEKSTÜR <
> 100/120

> EXTRACTOR DE ALTA GAMA **CON TEMPORIZADOR Y COMPUERTA ANTIRRETORNO** <

> HIGH-END EXTRACTOR **WITH BACKDRAUGHT DAMPER** <

# DHUMAT F400



BACKWARD SMOKE EXTRACTION FAN CASING 400ºC/2H

### MANUFACTURING FEATURES

CASING:
- Made of galvanized steel sheet with connection flanges and inspection door.
- Changeable panels.

MOTOR SUPPORT:
- Galvanized steel plate, motor with flanges fixed on 2 supports. Removable plate / support / impeller set.

IMPELLER:
- Backward centrifugal impeller, made of galvanized steel, dynamically balanced and sel-cleaning.
- Direct drive on the motor shaft.

MOTOR:
- Three phase motor with IP-55 protection and F class insulation. Standard voltages 230/400V 50Hz up to 4kW and 400/690V 50Hz for higher powers and single speed motors and 400V 50Hz for 2 speed.

### APPLICATIONS

- Smoke extraction in tertiary buildings IGH and ERP.
- Ventilation and smoke exhaust in covered car parks.
- Ventilation in technical, industrial or commercial facilities, kitchens.
- Maximum continuous working temperature: carried air 110ºC, environment 60ºC.

CE
0370
**DHUMAT F400**
Certification:
**0370-CPR-2681**

CAJA DE DESENFUMAJE A REACCIÓN 400ºC/2H

### CARACTERÍSTICAS CONSTRUCTIVAS

ENVOLVENTE:
- Fabricación en chapa de acero galvanizado con bridas de conexión y trampillas de inspección.
- Paneles intercambiables.

SOPORTE MOTOR:
- Placas de acero galvanizado, motor con patas fijado sobre dos montantes. Conjunto placa / soporte / turbina desmontables.

TURBINA:
- Centrífuga a reacción, en acero galvanizado, equilibrada dinámicamente y autolimpiante.
- Acoplamiento directo sobre el eje del motor.

MOTOR:
- Motor trifásico con protección IP-55 y aislamiento clase F. Motores de 1 velocidad con voltajes estándar 230/400V 50Hz hasta 4kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

### APLICACIONES

- Desenfumaje de edificios de gran altura y establecimientos que reciben público.
- Ventilación y extracción de humos de aparcamientos cubiertos.
- Ventilación de locales técnicos, industriales o comercios, cocinas.
- Temperatura máxima de trabajo en continuo: aire transportado 110ºC, ambiente 60ºC.

## ACCESSORIES | ACCESORIOS



**EI DHUMAT** pg.481
Outlet flange
Embocadura impulsión



**VIS** pg.496
Flange with bird guard
Visera con malla antipájaros



**DFK** pg.473
Dhumat feet kit
Pies Dhumat



**SFC** pg.514
Frecuency speed controller
Variador de velocidad frecuencial



**INT** pg.515
Safety switch.
Interruptor de corte.



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Código | Modelo | R.P.M. | Rated I (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 245310182 | DHUMAT 315 T2 1,1kW F400 | 2800 | 4,05 | 2,33 | 1,10 | 4.410 | 57 | 64 | **1.552,00** |
| 245350182 | DHUMAT 355 T2 2,2kW F400 | 2840 | 7,97 | 4,58 | 2,20 | 6.830 | 62 | 73 | **1.662,80** |

### 4 pole | 4 polos

| Código | Modelo | R.P.M. | Rated I (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 245310181 | DHUMAT 315 T4 0,25kW F400 | 1400 | 1,38 | 0,79 | 0,25 | 2.220 | 42 | 60 | **1.390,80** |
| 245350181 | DHUMAT 355 T4 0,55kW F400 | 1440 | 2,57 | 1,49 | 0,55 | 3.420 | 47 | 68 | **1.409,90** |
| 245400181 | DHUMAT 400 T4 0,75kW F400 | 1410 | 2,83 | 1,63 | 0,75 | 4.890 | 50 | 84 | **1.419,30** |
| 245450181 | DHUMAT 450 T4 1,1kW F400 | 1450 | 4,33 | 2,49 | 1,10 | 6.960 | 54 | 120 | **1.771,30** |
| 245500181 | DHUMAT 500 T4 1,5kW F400 | 1450 | 5,67 | 3,26 | 1,50 | 9.540 | 58 | 153 | **2.146,40** |
| 245560181 | DHUMAT 560 T4 3kW F400 | 1420 | 10,7 | 6,17 | 3,00 | 13.400 | 61 | 194 | **2.357,60** |
| 245630181 | DHUMAT 630 T4 4kW F400 | 1440 | 14,5 | 8,32 | 4,00 | 19.080 | 64 | 246 | **3.055,70** |

## 4 pole | 4 polos

| Código | Modelo | R.P.M. | Rated I (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 245400182 | DHUMAT 400 T6 0,37kW F400 | 900 | 2,2 | 1,27 | 0,37 | 3.170 | 41 | 81 | **1.435,70** |
| 245450182 | DHUMAT 450 T6 0,75kW F400 | 925 | 3,39 | 1,95 | 0,75 | 4.510 | 45 | 114 | **1.634,40** |
| 245500182 | DHUMAT 500 T6 0,75kW F400 | 925 | 3,39 | 1,95 | 0,75 | 6.300 | 48 | 146 | **1.928,80** |
| 245560182 | DHUMAT 560 T6 0,75kW F400 | 925 | 3,39 | 1,95 | 0,75 | 8.680 | 51 | 183 | **2.175,40** |
| 245630182 | DHUMAT 630 T6 1,5kW F400 | 940 | 6,45 | 3,71 | 1,50 | 12.360 | 55 | 229 | **2.778,50** |
| 245710181 | DHUMAT 710 T6 2,2kW F400 | 965 | 10,3 | 5,94 | 2,20 | 17.700 | 58 | 303 | **3.595,70** |
| 245800181 | DHUMAT 800 T6 4kW F400 | 960 | 16,5 | 9,46 | 4,00 | 25.310 | 62 | 363 | **4.167,50** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

### 4/8 pole | 4/8 polos

| Code | Model | R.P.M | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2453101812V | DHUMAT 315 T4/T8 0,25/0,03kW F400 | 1370 | 1,13/0,37 | 0,25 | 2.220 | 42 | 60,60 | **1.422,50** |
| 2453501812V | DHUMAT 355 T4/T8 0,55/0,09kW F400 | 1410 | 1,77/0,61 | 0,55 | 3.420 | 47 | 68,30 | **1.477,30** |
| 2454001812V | DHUMAT 400 T4/T8 0,75/0,12kW F400 | 1400 | 2,03/0,68 | 0,75 | 4.890 | 50 | 83 | **1.530,40** |
| 2454501812V | DHUMAT 450 T4/T8 1,1/0,18kW F400 | 1400 | 2,67/1,08 | 1,10 | 6.960 | 54 | 115 | **1.877,70** |
| 2455001812V | DHUMAT 500 T4/T8 1,5/0,25kW F400 | 1400 | 3,46/1,27 | 1,50 | 9.540 | 58 | 149 | **2.264,20** |
| 2455601812V | DHUMAT 560 T4/T8 3/0,55kW F400 | 1430 | 6,53/2,33 | 3,00 | 13.400 | 61 | 187 | **2.514,10** |
| 2456301812V | DHUMAT 630 T4/T8 4/0,75kW F400 | 1440 | 8,15/2,74 | 4,00 | 19.080 | 64 | 238 | **3.272,00** |



# BOX BSTB F400





ErP 60 +Info Hz

CE 0370
BOX BSTB F400
Certification:
0370-CPR-1371

## BELT DRIVEN BACKWARD CENTRIFUGAL CABINET FAN 400ºC/2H

### MANUFACTURING FEATURES

- BSTB range fans assembled in soundproof cabinets with insulated panels.
- Fan assembled on antivibration mountings.
- Simple inlet, backward impeller with self-cleaning system.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phases, motors up to 4kW, and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Smoke emergency exhaust with motor outside the hazardous area (400ºC/2h certificate).
- Maximum working temperature in continuous: carried air 130ºC; environment 60ºC.

### UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG90 position (horizontal discharge).
- LG0 position (vertical discharge). 10% additional cost.

*This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.*

## CAJA DE VENTILACIÓN A TRANSMISIÓN 400ºC/2H CON TURBINA A REACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores serie BSTB montados en cajas de reunión aisladas acústicamente.
- Ventilador montado sobre amortiguadores de goma.
- Ventilador centrífugo con sistema autolimpiante y rodetes de álabes hacia atrás (a reacción) de simple oído.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo (certificado 400ºC/2h).
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: 60ºC.

### BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG90 (descarga horizontal).
- Posición LG0 (descarga vertical). Incremento 10% sobre PVP.

*Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.*

## ACCESSORIES | ACCESORIOS



**INT 400** pg.515
Connexion flange.
Brida de connexión.



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**BA-400** pg.484
Flexible flange 400ºC/2h.
Brida antivibratoria 400ºC/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 |
| BOX BSTB 355 | 2.788,90 | 2.811,00 | 2.817,10 | 2.871,90 | 2.929,00 | 3.051,80 | 3.162,00 | | | | | | |
| BOX BSTB 400 | | 3.109,50 | 3.115,60 | 3.170,40 | 3.227,50 | 3.350,30 | 3.460,50 | 3.623,30 | | | | | |
| BOX BSTB 450 | | | 3.435,20 | 3.490,00 | 3.547,10 | 3.669,90 | 3.780,10 | 3.942,90 | 4.190,30 | 4.402,20 | | | |
| BOX BSTB 500 | | | | 3.997,20 | 4.054,30 | 4.177,10 | 4.287,30 | 4.450,10 | 4.697,50 | 4.909,40 | | | |
| BOX BSTB 560 | | | | | 5.218,50 | 5.341,30 | 5.451,50 | 5.614,30 | 5.861,70 | 6.073,60 | 6.742,80 | | |
| BOX BSTB 630 | | | | | | 5.640,30 | 5.750,50 | 5.913,30 | 6.160,70 | 6.372,60 | 7.041,80 | 7.308,90 | |
| BOX BSTB 710 | | | | | | | 7.520,10 | 7.682,90 | 7.930,30 | 8.142,20 | 8.811,40 | 9.078,50 | 9.670,10 |

# ° 120°C in continuous

° 120°C en continuo

120°C



KENTALCOOK



KENTALROOF-A 120°C



STELLAR BLAST



HAUT BLAST

# KENTALCOOK



ErP 60 +info Hz

## VENTILATION BOX WITH REACTION IMPELLER

### MANUFACTURING FEATURES

- Watertight ventilation box with very high efficiency and low noise level with 30 mm aluminum profile structure, nylon corners and galvanized steel sandwich panel with internal rock wool insulation 25 mm thick class A1 (non-combustible) and 90 kg/m³ density. All panels have a "fastening system" for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel exchange.
- Centrifugal fan with motor coupled directly to the coil type plug fan with motor outside the air flow.
- Circular inlet to facilitate the connection of ducts. open outlet.
- Models with AC motor isolated from the air flow, which allows working stably with contaminated flow at temperatures higher than ambient. Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages 230V 50Hz for single-phase andmotors 230/400V and 400/690V50Hz for single-speed, 400V three-phase motors 50Hz for the 2 speeds
- High-performance single-aspiration turbine with backward curved blades (reaction) with self-cleaning system built in steel. Statically and dynamically balanced at origin.
- With stainless steel drainage purge for escape route of the fluid load.
- Built-in safety switch.
- Interchangeable drive panels.
- Registration panel accessible by handle

### APPLICATIONS

Designed for 90º entry-exit installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Kitchen extraction.
- Designed to deal with environments with oily load.
- Maximum continuous working temperature: transported air 120ºC, ambient 60ºC to -25ºC in three-phase motors and 50ºC to -25ºC in single-phase motors.

## CAJA DE VENTILACIÓN CON TURBINA A REACCIÓN

### MANUFACTURING FEATURES

- Caja de ventilación estanca de muy elevada eficiencia y bajo nivel sonoro con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad . Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para labores de limpieza, mantenimiento o intercambio de paneles.
- Ventilador centrífugo con motor acoplado directamente al carrete tipo plug fan con motor fuera del flujo de aire.
- Boca de aspiración circular para facilitar la conexión de conductos. Impulsión abierta
- Modelos con motor AC aislado del flujo de aire, que se permite trabajar de forma estable con flujo contaminado a temperaturas superiores a la del ambiente. Motor de jaula de ardilla asíncrono estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V y 400/690V50Hz para motores trifásicos de una velocidad y 400V 50Hz para los 2 velocidades.
- Turbina de simple aspiración de álabes curvados atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero. Equilibrada estática y dinámicamente en origen.
- Con purga para drenaje en inox para vía de escape de la carga de fluido.
- Interruptor de seguridad incorporado.
- Paneles a la impulsión intercambiables.
- Panel de registro accesible mediante asa.

### APPLICATIONS

Diseñados para instalación entrada-salida a 90º, son adecuados para:

- Renovación de aire en edificios e industrias.
- Extracción de humo.
- Extracción de cocinas.
- Diseñado para lidiar en ambiente con carga aceitosa.
- Temperatura máxima de trabajo en continuo: aire transportado 120ºC, ambiente 60ºC a -25ºC en motores trifásicos y ambiente 50ºC a -25ºC en motores monofásicos.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**TIC** pg.493
Outlet blind cover.
Tapa ciega impulsión.



**TBIC** pg.494
Outlet round cover.
Tapa impulsión circular.



**BOX FILTER** pg.466
External box filter.
Caja portafiltros exterior.



**TEJ** pg.497
Weather protective roof for KENTALCOOK
Tejadillo intemperie para KENTALCOOK.



**CFF** pg.61
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**CHEF** pg.62
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.



**CFGF** pg.61
Cell filter with galvanized frame.
Filtro de celdas con marco galvanizado.



**FAT TRAP** pg.492
Stainless steel grease box for restaurant exhaust fan.
Caja de acero inoxidable para drenaje de grasa en extractor de restaurante

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Max. Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 249314103Q | KENTALCOOK 315 M4 0,25kW | 1410 | 1,6 | 0,25 | 2.540 | 37 | **1.316,00** |
| 249354103Q | KENTALCOOK 355 M4 0,25kW | 1410 | 1,6 | 0,25 | 3.540 | 44 | **1.444,30** |
| 249404103Q | KENTALCOOK 400 M4 0,55kW | 1400 | 3,98 | 0,55 | 5.240 | 59 | **1.709,00** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 249312106Q | KENTALCOOK 315 T2 1,5kW | 2865 | 5,83 | 3,14 | 1,50 | 5.160 | 38 | **1.526,70** |



CV.28.02.25

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 249314106Q | KENTALCOOK 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.540 | 37 | **1.389,90** |
| 249354106Q | KENTALCOOK 355 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 3.540 | 44 | **1.518,20** |
| 249404106Q | KENTALCOOK 400 T4 0,55kW | 1440 | 2,57 | 1,49 | 0,55 | 5.240 | 59 | **1.754,50** |
| 249454106Q | KENTALCOOK 450 T4 1,1kW | 1450 | 4,33 | 2,49 | 1,10 | 7.720 | 80 | **2.139,70** |
| 249504106Q | KENTALCOOK 500 T4 1,5kW | 1450 | 5,67 | 3,26 | 1,50 | 10.230 | 105 | **2.611,20** |
| 249564106Q | KENTALCOOK 560 T4 3kW | 1420 | 10,7 | 6,17 | 3,00 | 14.740 | 122 | **2.993,60** |
| 249634106Q | KENTALCOOK 630 T4 5,5kW | 1460 | - | 10,5 | 5,50 | 22.100 | 151 | **3.666,50** |

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 249506106Q | KENTALCOOK 500 T6 0,55kW | 900 | 3,00 | 1,8 | 0,55 | 6.720 | 102 | **2.519,10** |
| 249566106Q | KENTALCOOK 560 T6 1,1kW | 925 | 4,83 | 2,78 | 1,10 | 9.820 | 120 | **2.765,20** |
| 249636106Q | KENTALCOOK 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,50 | 14.530 | 151 | **3.220,10** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES
### T4/T8 pole | T4/T8 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 2493141062VQ | KENTALCOOK 315 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 2.540 | 37 | **1.418,50** |
| 2493541062VQ | KENTALCOOK 355 T4/T8 0,25/0,03kW | 1370 | 1,13/0,37 | 0,25 | 3.540 | 44 | **1.546,80** |
| 2494041062VQ | KENTALCOOK 400 T4/T8 0,75/0,12kW | 1400 | 2,03/0,68 | 0,75 | 5.240 | 59 | **1.900,40** |
| 2494541062VQ | KENTALCOOK 450 T4/T8 1,1/0,18kW | 1400 | 2,67/1,08 | 1,10 | 7.720 | 80 | **2.265,20** |
| 2495041062VQ | KENTALCOOK 500 T4/T8 1,5/0,25kW | 1400 | 3,46/1,27 | 1,50 | 10.230 | 105 | **2.745,30** |
| 2495641062VQ | KENTALCOOK 560 T4/T8 3/0,55kW | 1430 | 6,53/2,33 | 3,00 | 14.740 | 122 | **3.182,70** |
| 2496341062VQ | KENTALCOOK 630 T4/T8 5,5/1,1kW | 1450 | 10,73/3,82 | 5,50 | 22.100 | 151 | **4.118,90** |

## FILTER | FILTROS
## FILTER FOR KENTALCOOK | FILTROS PARA KENTALCOOK



### CFF

Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | R.R.P € |
|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | P.V.P € |
| FILTG04048 | 475x 261,5x48 | KENTALCOOK 315 | **17,40** |
| FILTG04049 | 540x 294x48 | KENTALCOOK 355 | **17,50** |
| FILTG04050 | 620x334x48 | KENTALCOOK 400 | **25,00** |



### CFGF

Cell filter with galvanized frame
Filtro de celdas con marco galvanizado

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | R.R.P. € |
|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | P.V.P € |
| FILTG04051 | 770x409x48 | KENTALCOOK 450 | **35,00** |
| FILTG04052 | 830x439x48 | KENTALCOOK 500 | **41,00** |
| FILTG04053 | 920x484x48 | KENTALCOOK 560 | **47,50** |
| FILTG04054 | 1010x529x48 | KENTALCOOK 630 | **52,50** |



## CHEF

High efficiency, rigid and compact filters
Filtro compacto rígido de alta eficacia

### ePM1≥50% (F7)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | R.R.P. €<br>P.V.P € |
|---|---|---|---|
| FILTF07063 | 475x 261,5x48 | KENTALCOOK 315 | **62,50** |
| FILTF07064 | 540x 294x48 | KENTALCOOK 355 | **70,00** |
| FILTF07065 | 620x334x48 | KENTALCOOK 400 | **75,00** |
| FILTF07066 | 770x409x48 | KENTALCOOK 450 | **80,00** |
| FILTF07067 | 830x439x48 | KENTALCOOK 500 | **94,50** |
| FILTF07068 | 920x484x48 | KENTALCOOK 560 | **112,50** |
| FILTF07069 | 1010x529x48 | KENTALCOOK 630 | **125,00** |

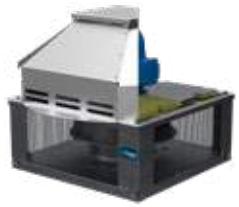
### ePM1≥80% (F9)

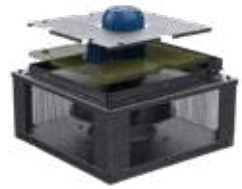
| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | R.R.P. €<br>P.V.P € |
|---|---|---|---|
| FILTF09051 | 475x 261,5x48 | KENTALCOOK 315 | **70,00** |
| FILTF09052 | 540x 294x48 | KENTALCOOK 355 | **78,00** |
| FILTF09053 | 620x334x48 | KENTALCOOK 400 | **84,00** |
| FILTF09054 | 770x409x48 | KENTALCOOK 450 | **90,00** |
| FILTF09055 | 830x439x48 | KENTALCOOK 500 | **106,00** |
| FILTF09056 | 920x484x48 | KENTALCOOK 560 | **126,00** |
| FILTF09057 | 1010x529x48 | KENTALCOOK 630 | **140,00** |

# KENTALROOF-A 120ºC

NEW NUEVO









Sistema abatible
Hinged system

ErP 60 +info Hz

## ROOF FAN WITH HINGED SYSTEM AND ALUMINIUM COWL 120ºC

### MANUFACTURING FEATURES

- Protection cowl made of anticorrosive treated aluminum easily removable for motor and impeller maintenance thanks to the integrated folding system.
- The design of the cowl with a rounded shape is specific to minimize the risk of water ingress due to rain (including rain).
- Equipped with a hinged system to open the motor-impeller set. This system allows easy maintenance and cleaning of the set without the need to disassemble the entire structure. The opening is possible in 2 inclinations: approximately 45º and 90º, as required by the intervention.
- Structure in anticorrosive galvanized steel and support frame for adaptation to the roof with anti-bird protection grid.
- High-performance, backward-curved blade (reaction) impellers designed to work without scroll. Self-cleaning system, built in galvanized steel treated with anti-corrosion.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW & 400/690V 50Hz for higher powers and 400V 50Hz for 2 speed motors.

### APPLICATIONS

Designed for deck or roof mounting, they are indicated for:

- Smoke extraction.
- Air renewal in all types of buildings and industries.
- Maximum continuous working temperature: transported air 120ºC, ambient 60ºC to -25ºC in three-phase motors.
- Special contruction for moving aur at 120ºC.

### UNDER REQUEST

- Special voltages.

## VENTILADOR DE TEJADO ABATIBLE CON SOMBRERO DE ALUMINIO 120ºC

### MANUFACTURING FEATURES

- Sombrero de protección fabricado en aluminio tratado anticorrosivo fácilmente extraíble para mantenimiento al motor y turbina gracias al sistema abatible integrado.
- El diseño del sombrero con forma redondeada es específico para minimizar los riesgos de entrada de agua por lluvia (incluso racheada).
- Dotado de sistema batiente para la apertura del conjunto motor-turbina. Este sistema permite el fácil mantenimiento y limpieza del conjunto sin necesidad de desmontar toda la estructura. La apertura es posible en 2 inclinaciones: 45º y 90º aproximadamente, según requiera la intervención.
- Estructura en acero galvanizado anticorrosivo y marco soporte de adaptación a tejado con rejilla de protección antipájaros.
- Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento, diseñadas para trabajar sin voluta o scroll. Con sistema autolimpiante, equilibradas estáticamente. Construidas en acero galvanizado tratado anticorrosivo.
- Motor de jaula de ardilla asíncrono estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos de una velocidad hasta 4kW y 400/690V 50Hz para potencias superiores y 400V 50Hz para motores 2 velocidades.

### APPLICATIONS

Diseñados para montaje en cubierta o tejado, son indicados para:

- Extracción de humos.
- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: aire transportado 120ºC, ambiente 60ºC a -25ºC en motores trifásicos.
- Contrucció especial per moure aire a 120ºC

### BAJO DEMANDA

- Voltajes especiales.

## ACCESSORIES ACCESORIOS



**AC** pg.479
Conection flange
Brida conexión



**BAD** pg.484
Circular-circular anti-vibration flange
Brida antivibratoria circular-circular



**BTI** pg.476
Inclined roof support
Base tejadillo inclinable



**BTI+ACMP** pg.477
Suitable for install a CMP-HUT in a roof fan using a BTI.
Accesorio adecuado para instalar una CMP-HUT a un ventildor de tejado con BTI.



**BTI+ACMP+AMC** pg.478
Suitable for install both CMP-HUT and ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar a la vez CMP-HUT y ASIL a un ventildor de tejado con BTI.



**BTI+AMC** pg.477
Suitable for installa ASIL in a roof fan using a BTI.
Accesorio adecuado para instalar una ASIL a un ventildor de tejado con BTI.



**CMP-HUT** pg.462
High temperature damper for horizontal/vertical position.
Compuerta de alta temperatura para posición horizontal/vertical.



**INT** pg.515
Safety switch.
Interruptor de corte.



**KV** pg.501
Vertical kit for roof fans
Kit vertical para ventiladores de tejado



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**SIL-C** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



**SIL-CN** pg.505
Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA
### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471ALMT | KENTALROOF-A 315 M4 0,25kW 120ºC | 1410 | 1,6 | 0,25 | 2.590 | 35,50 | **1.151,90** |
| 27935471ALMT | KENTALROOF-A 355 M4 0,25kW 120ºC | 1410 | 1,6 | 0,25 | 3.610 | 41 | **1.254,20** |
| 27940480ALMT | KENTALROOF-A 400 M4 0,55kW 120ºC | 1400 | 3,98 | 0,55 | 5.340 | 45 | **1.399,20** |

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 27931290ALT | KENTALROOF-A 315 T2 1,5kW 120ºC | 2865 | 5,83 | 3,14 | 1,50 | 5.260 | 36 | **1.389,20** |

### 4 pole | 4 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 27931471ALT | KENTALROOF-A 315 T4 0,25kW 120ºC | 1400 | 1,38 | 0,79 | 0,25 | 2.590 | 35,50 | **1.237,30** |
| 27935471ALT | KENTALROOF-A 355 T4 0,25kW 120ºC | 1400 | 1,38 | 0,79 | 0,25 | 3.610 | 41 | **1.332,60** |
| 27940480ALT | KENTALROOF-A 400 T4 0,55kW 120ºC | 1440 | 2,57 | 1,49 | 0,55 | 5.340 | 45 | **1.448,80** |
| 27945490ALT | KENTALROOF-A 450 T4 1,1kW 120ºC | 1450 | 4,33 | 2,49 | 1,10 | 7.870 | 85 | **1.805,80** |
| 27950491ALT | KENTALROOF-A 500 T4 1,5kW 120ºC | 1450 | 5,67 | 3,26 | 1,50 | 10.430 | 96 | **2.265,00** |
| 279564100ALT | KENTALROOF-A 560 T4 3kW 120ºC | 1420 | 10,7 | 6,17 | 3,00 | 15.040 | 104 | **2.565,70** |
| 279634132ALT | KENTALROOF-A 630 T4 5,5kW 120ºC | 1460 | - | 10,5 | 5,50 | 22.550 | 140 | **3.219,00** |

### 6 pole | 6 polos

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 27950680ALT | KENTALROOF-A 500 T6 0,55kW 120ºC | 900 | 3,00 | 1,8 | 0,55 | 6.850 | 95 | **2.269,30** |
| 27956690ALT | KENTALROOF-A 560 T6 1,1kW 120ºC | 925 | 4,83 | 2,78 | 1,10 | 10.020 | 103 | **2.530,60** |
| 279634100ALT | KENTALROOF-A 630 T6 1,5kW 120ºC | 940 | 6,45 | 3,71 | 1,50 | 14.820 | 130 | **2.836,00** |

## THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES
### 4/8 pole | 4/8 polos

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 27931471AL2VT | KENTALROOF-A 315 T4/T8 0,25/0,03kW 120ºC | 1370 | 1,13/0,37 | 0,25 | 2.590 | 35,50 | **1.271,90** |
| 27935471AL2VT | KENTALROOF-A 355 T4/T8 0,25/0,03kW 120ºC | 1370 | 1,13/0,37 | 0,25 | 3.610 | 41 | **1.364,20** |
| 27940480AL2VT | KENTALROOF-A 400 T4/T8 0,75/0,12kW 120ºC | 1400 | 2,03/0,68 | 0,75 | 5.340 | 45 | **1.609,20** |
| 27945490AL2VT | KENTALROOF-A 450 T4/T8 1,1/0,18kW 120ºC | 1400 | 2,67/1,08 | 1,10 | 7.870 | 85 | **1.926,50** |
| 27950491AL2VT | KENTALROOF-A 500 T4/T8 1,5/0,25kW 120ºC | 1400 | 3,46/1,27 | 1,50 | 10.430 | 96 | **2.406,50** |
| 279564100AL2VT | KENTALROOF-A 560 T4/T8 3/0,55kW 120ºC | 1430 | 6,53/2,33 | 3,00 | 15.040 | 104 | **2.761,50** |
| 279634132AL2VT | KENTALROOF-A 630 T4/T8 5,5/1,1kW 120ºC | 1450 | 10,73/3,82 | 5,50 | 22.550 | 140 | **3.683,80** |

# STELLAR BLAST

## TRANSMISSION VERTICAL DISCHARGE UP-BLAST ROOF FAN MADE OF ALUMINUM

## VENTILADOR DE TEJADO UP-BLAST DE DESCARGA VERTICAL A TRANSMISIÓN FABRICADO EN ALUMINIO




ErP

60 +info Hz

### MANUFACTURING FEATURES

- Up-Blast exhaust fan made entirely of aluminum that guarantees excellent corrosion resistance and minimum weight.
- Oversized Belt & Pulley Transmission (150% of the installed power). Oil and Static resistant belts.
- Bearings 100% factory tested and designed specifically for air movement applications with an L10 rating of 50,000 hours.
- Anti-vibration blocks reduce motion and noise transfer between transmission system and fan housing.
- High-performance aluminum built backward inclined turbine with self-cleaning system to minimize noise and vibrations.
- Q6.3 grade, statically and dynamically balanced fan for long life and quiet operation.
- Specially designed housing for rain protection. Protective grille to prevent entry of objects.
- Drain tube for easy removal of fluids (water and grease).
- Coated motor cable to prevent overheating and ensure long motor life.
- Standardized squirrel cage asynchronous motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz single-phase and three-phase motors.
- Inox bucket for grease collection, FAT TRAP, available for installation after the drain pipe (as accessori)

### APPLICATIONS

Designed for deck or roof mounting, vertical discharg, indicated for:

- Professional kitchens.
- Smoke extraction.
- Cinemas.
- Air renewal in all types of buildings and industries.
- Maximum continuous working temperature: 150ºC (fluid).
- Maximum ambient temperature: 50ºC.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador a transmisión tipo hongo, fabricado íntegramente en aluminio con excelente resistencia a la corrosión y bajo peso.
- Correas y poleas sobredimensionadas (150% de la potencia instalada). Correas antiestáticas y resistentes al aceite.
- Rodamientos 100% probados en fábrica y diseñados específicamente para aplicaciones de movimiento de aire ( L10 de 50.000 horas).
- Antivibratorios para reducir la transferencia de movimiento y ruido entre el sistema de transmisión y la carcasa.
- Turbina de álabes curvados hacia atrás (a reacción) de alto rendimiento, con sistema autolimpiante, construidas en aluminio para minimizar el ruido y las vibraciones.
- Ventilador equilibrado estática y dinámicamente grado Q6.3 para larga vida útil y funcionamiento silencioso.
- Carcasa especialmente diseñada para proteger el equipo de la entrada de lluvia y reja de protección contra la entrada de objetos.
- Tubo de drenaje para la fácil extracción de fluidos (agua y grasa).
- Cable de alimentación encapsulado para evitar deterioro y garantizar una larga vida del motor.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz motores monofásicos y trifásicos.
- Cubeta de inoxidable FAT TRAP para la recogida de grasas, para instalación después del tubo de drenaje (como accesorio).

### APLICACIONES

Diseñados para montaje en cubierta o tejado, con descarga vertical, indicados para:

- Cocinas profesionales.
- Extracción de humos.
- Salas de cine.
- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 150ºC (fluido).
- Temperatura máxima ambiente: 50ºC.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frequency speed controller.
Variador de velocidad frecuencial.



**BTI** pg.476
Inclined roof fan support.
Soporte inclinado para ventiladores de tejado.



**ACMP** pg.477
CMP-HUT damper connection to BTI.
Soporte conexión CMP-HUT a BTI.



**AMC** pg.477
Support for ASIL.
Soporte para ASIL.



**ASIL** pg.477
Support for circular accessories.
Soporte para accesorios circulares.



**AC** pg.428
Conection flange.
Brida conexión.



**BAD** pg.484
Circular-circular anti-vibration flange.
Brida antivibratoria circular-circular.



**SIL-C** pg.505
Circular silencer.
Silenciador circular.



**SIL-C MINI** pg.502
Circular sound attenuator in galvanised steel.
Silenciador circular con brida en acero galvanizado.



**CMP-HUT** pg.462
Depression damper (H-V).
Compuerta de depresion (H-V).



**FAT TRAP** pg.503
Stainless steel grease box for restaurant exhaust fan.
Caja de acero inoxidable para drenaje de grasa en extractor de restaurante.



**B CMP** pg.463
Frame for CMP-HUT.
Bastidor para CMP-HUT.

## SINGLE PHASE RANGE SERIE MONOFÁSICA
## 4 POLE 4 POLOS

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509121050 | 250 M4 0,55kW | 1460 | 3,00 | 0,55 | 5.300 | - | 51 | **1.145,00** |
| 509122050 | STELLAR BLAST 355 M4 0,75kW | 1460 | 3,8 | 0,75 | 6.710 | - | 54 | **1.275,00** |
| 509123050 | STELLAR BLAST 450 M4 1,1kW | 1460 | 6,2 | 1,10 | 10.150 | - | 72 | **1.655,00** |

## THREE PHASE RANGE SERIE TRIFÁSICA
## 6 POLE 6 POLOS

| Code | Model | R.P.M. | Rated I (A) | | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 509124050 | STELLAR BLAST 630 T4 1,5kW | 1460 | 6,6 | - | 1,50 | 16.300 | - | 114 | **2.160,00** |

# HAUT BLAST




ErP 60 +info Hz

## HIGH-FLOW ROOF FAN WITH VERTICAL DISCHARGE

### MANUFACTURING FEATURES

- High-flow roof fan with vertical discharge, made of aluminum.
- High power, optimized design with high efficiency backward impeller with self-cleaning system of steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 400V 50Hz three phase motors.
- Resistant to demanding environments: corrosion-resistant aluminium casing and steel impeller.
- Completely rain-tight.
- Optimised outlet flow design for vertical discharge efficiency.

### APPLICATIONS

Specially designed for roof installation, with vertical discharge

- Smoke extraction.
- Air renewal in buildings and industries.
- Industrial kitchen hoods.
- Cinemas.
- Suitable for moving air at temperatures up to 120°C with integrated air outlets for motor cooling. Maximum ambient temperature: 60ºC.

### UNDER REQUEST

- Available with acoustic insulation.

## VENTILADOR DE TEJADO DE GRAN CAUDAL CON DESCARGA VERTICAL

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador de tejado de gran caudal con descarga vertical, fabricado en aluminio.
- Extractor de gran potencia, diseño optimizado con turbina a reacción de alto rendimiento, con sistema de autolimpieza de acero.
- Motor asíncrono estándar con protección IP-55 y aislamiento Clase F. Fabricado con tensiones estándar: motores trifásicos 400V 50Hz.
- Resistente a ambientes exigentes: carcasa de aluminio resistente a la corrosión y turbina de acero.
- Totalmente estanco a la lluvia.
- Diseño de caudal de salida optimizado para una eficiencia de descarga vertical.

### APLICACIONES

Especialmente diseñado para instalación en tejado, con descarga vertical

- Extracción de humos.
- Renovación de aire en edificios e industrias.
- Campanas de cocina industriales.
- Cines.
- Apto para mover aire a temperaturas de hasta 120ºC con salidas de aire integradas para refrigeración del motor. Temperatura ambiente máxima: 60ºC.

### BAJO DEMANDA

- Disponible con aislamiento acústico.

## ACCESSORIES | ACCESORIOS



**INT** pg.515
Safety switch.
Interruptor de corte.



**SFC** pg.514
Frequency speed controller.
Variador de velocidad frecuencial.

| Code<br>Código | Model<br>Modelo | R.P.M.<br>R.P.M. | Rated I (A) 400V<br>I nominal (A) 400V | Rat.Power kW<br>P. Nom. kW | Air flow m³/h<br>Q máx. m³/h | Sound dB(A)<br>Sonido dB(A) | Weight Kg<br>Peso Kg | R.R.P. €<br>P.V.P € |
|---|---|---|---|---|---|---|---|---|
| 278711106 | HAUT BLAST 710 T4 7,5KW | 1455 | 14,1 | 7,50 | 21.210 | 68 | 361 | **6.226,70** |
| 278811106 | HAUT BLAST 800 T4 15KW | 1465 | 29,8 | 15,00 | 30.340 | 72 | 558 | **9.452,50** |
| 278911106 | HAUT BLAST 900 T4 30KW | 1475 | 56,3 | 30,00 | 43.190 | 75 | - | **12.467,90** |
| 278111106 | HAUT BLAST 1000 T4 45KW | 1475 | 80,7 | 45,00 | 59.240 | 79 | - | **14.945,60** |

# º ATEX fans

# º Ventiladores ATEX


MBPV ATEX


HJBMX


HBX


BOX HBX


HCX


HMX


MAX


MBX


MDI ATEX


MBPX


MBPCX


MBPN ATEX


AAX 45/5-60/7


AAX 47-70


KASTORM ATEX


NIMUS ATEX


PRESTUR ATEX


CTH3-A ATEX


MBCA ATEX


MBRM ATEX


MBRU ATEX


MBGR ATEX


MBZM P/R ATEX


AAVA ATEX


AAVC ATEX


AAVP/N ATEX


AAVG/N ATEX


AAVM/N ATEX


AAZA ATEX


AAZB ATEX


AAZC ATEX


MTCA ATEX


MTRL ATEX


MTRM ATEX


MTRU ATEX


MTGR ATEX

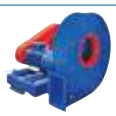

MTZM P/R ATEX


AATVA ATEX


AATVP ATEX


AATVM ATEX


AATVC ATEX


AATVG/N ATEX


AATZA ATEX


AATZB ATEX


AATZC ATEX

# MBPV ATEX



ErP Exempt | 60 +info Hz | Ex

## ATEX ROOF FAN WITH BACKWARD IMPELLER AND PLASTIC CONSTRUCTION

### MANUFACTURING FEATURES
- PE-el moulded housing (until size 45) and PP-el welded housing (for upper models).
- Backward impeller with self-cleaning system in PP welded plastic.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz for motors until 4kW and 400/690V 50Hz for higher motors. Equipped with ATEX motor.

### APPLICATIONS
Designed for roof installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- General ventilation in closed environments classified as ATEX zone 2.
- Maximum temperature of transported air: If it is clean air 70ºC, other depends on the gas (see table in documentation).

### UNDER REQUEST
- Single phase motors (up to 1,1Kw).
- 60Hz fans and special voltages fans.
- 2 speed motors.

## VENTILADOR PLÁSTICO CON TURBINA REACCIÓN PARA TEJADO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa inyectada de PE-el (hasta el tamaño 45) y carcasa soldada de PP-el (para modelos superiores).
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción) en PP.
- Tornillería en acero inoxidable
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores hasta 4kW y 400/690V 50Hz para potencias superiores. Equipado con motor ATEX.

### APLICACIONES
Diseñados indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Ventilación en locales clasificados ATEX zona 2.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación).

### BAJO DEMANDA
- Motores monofásicos (hasta 1,1kW).
- Ventiladores para trabajar a voltajes especiales.
- Motores 2 velocidades.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**BA-400** pg.484
Flexible flange 400ºC/2h.
Brida antivibratoria 400ºC/2h.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | Zone 2 * |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | Zona 2 * |
| 510602013XD | MBPV 20 T2 0,18kW ATEX | 2800 | 0,87 | 0,51 | 0,18 | 1.050 | 64 | 10 | **3.466,70** |
| 510602515XD | MBPV 25 T2 0,37kW ATEX | 2800 | 1,58 | 0,91 | 0,37 | 1.750 | 74 | 13 | **3.786,70** |
| 510603119XD | MBPV 31 T2 1,5kW ATEX | 2865 | 5,83 | 3,14 | 1,50 | 4.050 | 80 | 33 | **5.608,90** |
| 510603527XD | MBPV 35 T2 2,2kW ATEX | 2840 | 7,97 | 4,58 | 2,20 | 5.900 | 83 | 35 | **5.991,10** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | Zone 2 * |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | Zona 2 * |
| 510602039XD | MBPV 20 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 575 | 49 | 10 | **2.893,30** |
| 510602539XD | MBPV 25 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 1.025 | 58 | 13 | **3.351,10** |
| 510603141XD | MBPV 31 T4 0,25kW ATEX | 1400 | 1,38 | 0,79 | 0,25 | 2.000 | 64 | 26 | **4.106,70** |
| 510603542XD | MBPV 35 T4 0,37kW ATEX | 1370 | 1,86 | 1,07 | 0,37 | 3.250 | 67 | 26 | **4.484,40** |
| 510604545XD | MBPV 45 T4 1,1kW ATEX | 1450 | 4,33 | 2,49 | 1,10 | 6.000 | 71 | 48 | **6.422,20** |
| 510605054XD | MBPV 50 T4 2,2kW ATEX | 1435 | 8,07 | 4,64 | 2,20 | 9.000 | 74 | 90 | **24.800,00** |
| 510605659XD | MBPV 56 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 4,00 | 12.900 | 74 | 150 | **26.768,90** |
| 510606361XD | MBPV 63 T4 5,5kW ATEX | 1460 | - | 10,5 | 5,50 | 17.600 | 76 | 150 | **30.253,30** |
| 510607149XD | MBPV 71 T4 11kW ATEX | 1455 | - | 21,2 | 11,00 | 22.500 | 74 | 180 | **44.977,80** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

## 6 pole | 6 polos

| Code / Código | Model / Modelo | R.P.M. / R.P.M. | Rated I (A) / I nom. (A) 230V | Rated I (A) / I nom. (A) 400V | Rat. Power kW / P. Nom. kW | Air flow m³/h / Q máx. m³/h | Sound dB (A) / Sonido dB (A) | Weight Kg / Peso Kg | R.R.P € / P.V.P € Zone 2 * / Zona 2 * |
|---|---|---|---|---|---|---|---|---|---|
| 510603568XD | MBPV 35 T6 0,18kW ATEX | 900 | 1,26 | 0,72 | 0,18 | 2.000 | 57 | 26 | **4.284,40** |
| 510604570XD | MBPV 45 T6 0,37kW ATEX | 900 | 2,2 | 1,27 | 0,37 | 3.750 | 61 | 40 | **6.324,40** |
| 510605071XD | MBPV 50 T6 0,55kW ATEX | 900 | 3,00 | 1,8 | 0,55 | 5.900 | 64 | 82 | **24.035,60** |
| 510605673XD | MBPV 56 T6 1,1kW ATEX | 925 | 4,83 | 2,78 | 1,10 | 8.250 | 68 | 150 | **25.626,70** |
| 510606378XD | MBPV 63 T6 2,2kW ATEX | 965 | 10,3 | 5,94 | 2,20 | 11.500 | 66 | 180 | **28.986,70** |
| 510607183XD | MBPV 71 T6 4kW ATEX | 960 | 16,5 | 9,46 | 4,00 | 15.000 | 64 | 150 | **43.297,80** |
| 510608087XD | MBPV 80 T6 7,5kW ATEX | 965 | - | 15,2 | 7,50 | 25.000 | 67 | 220 | **48.533,30** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

## ACCESSORIES FOR MBPV ATEX | ACCESORIOS PARA MBPV ATEX



### FJ
Flexible joint
Junta flexible

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FJ-160 | FJ Ø160 | MBPV-MBPV ATEX 20 | **59,50** |
| FJ-200 | FJ Ø200 | MBPV-MBPV ATEX 25 | **69,60** |
| FJ-280 | FJ Ø280 | MBPV-MBPV ATEX 31, 35 | **89,30** |
| FJ-355 | FJ Ø355 | MBPV-MBPV ATEX 45 | **114,20** |
| FJ-400 | FJ Ø400 | MBPV-MBPV ATEX 50 | **124,00** |
| FJ-450 | FJ Ø450 | MBPV-MBPV ATEX 56 | **140,00** |
| FJ-500 | FJ Ø500 | MBPV-MBPV ATEX 63 | **155,00** |
| FJ-600 | FJ Ø600 | MBPV-MBPV ATEX 71 | **200,00** |
| FJ-700 | FJ Ø700 | MBPV-MBPV ATEX 80 | **210,00** |



### AD
Adjustable damper
Compuerta ajustable

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| AD-160 | AD Ø160 | MBPV-MBPV ATEX 20 | **233,00** |
| AD-200 | AD Ø200 | MBPV-MBPV ATEX 25 | **262,90** |
| AD-280 | AD Ø280 | MBPV-MBPV ATEX 31, 35 | **302,40** |
| AD-355 | AD Ø355 | MBPV-MBPV ATEX 45 | **361,90** |
| AD-400 | AD Ø400 | MBPV-MBPV ATEX 50 | **395,00** |
| AD-450 | AD Ø450 | MBPV-MBPV ATEX 56 | **2.070,00** |
| AD-500 | AD Ø500 | MBPV-MBPV ATEX 63 | **2.490,00** |
| AD-600 | AD Ø600 | MBPV-MBPV ATEX 71 | **3.300,00** |
| AD-700 | AD Ø700 | MBPV-MBPV ATEX 80 | **3.860,00** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| CSC160 | CSC Ø160 | MBPV-MBPV ATEX 20 | **247,90** |
| CSC200 | CSC Ø200 | MBPV-MBPV ATEX 25 | **307,40** |
| CSC280 | CSC Ø280 | MBPV-MBPV ATEX 31, 35 | **426,40** |
| CSC355 | CSC Ø355 | MBPV-MBPV ATEX 45 | **500,70** |
| CSC400 | CSC Ø400 | MBPV-MBPV ATEX 50 | **530,70** |
| CSC450 | CSC Ø450 | MBPV-MBPV ATEX 56 | **890,00** |
| CSC500 | CSC Ø500 | MBPV-MBPV ATEX 63 | **975,00** |
| CSC600 | CSC Ø600 | MBPV-MBPV ATEX 71 | **1.350,00** |
| CSC700 | CSC Ø700 | MBPV-MBPV ATEX 80 | **1.605,00** |



### RPI
Stainless protection grid
Rejilla de protección inoxidable

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| RPI160 | RPI Ø160 | MBPV-MBPV ATEX 20 | **57,90** |
| RPI200 | RPI Ø200 | MBPV-MBPV ATEX 25 | **62,70** |
| RPI280 | RPI Ø280 | MBPV-MBPV ATEX 31, 35 | **86,90** |
| RPI355 | RPI Ø355 | MBPV-MBPV ATEX 45 | **115,90** |

# HJBMX



ErP Exempt | 60 +info Hz | Ex

## ATEX SQUARE WALL PLATE FAN WITH VARIABLE PITCH BLADES

### MANUFACTURING FEATURES

- Square plate made of inox steel AISI 304.
- Variable pitch angle PAGAS impeller.
- Supplied with galvanized motor support and protection guard according to the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Standard asynchronous motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors. IP55 protection.

### APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50ºC).
- Ambient temperature between -20ºC and 60ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- 60Hz fans and special voltages.
- Stainless protection grid.

## MURAL ATEX CON MARCO CUADRADO Y PALA VARIABLE

### CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en acero inoxidable AISI 304.
- Hélice de PAGAS de ángulo variable en paro y en origen.
- Rejilla soporte motor zincada y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230V 50Hz para monofásicos y 230/400V 50Hz para motores trifásicos. Protección IP55.

### APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50ºC).
- Temperatura ambiente entre -20ºC y 60ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Rejilla de protección inoxidable.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € Zone 1* |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Zona 1* |
| 268263103XD | HJBMX 25 M4 0,09kW | 1390 | 0,98 | 0,09 | 1.440 | 42 | 4 | **1.869,60** |
| 268313103XD | HJBMX 30 M4 0,09kW | 1390 | 0,98 | 0,09 | 2.440 | 46 | 5 | **1.882,80** |
| 268363103XD | HJBMX 35 M4 0,18kW | 1390 | 1,75 | 0,18 | 3.510 | 47 | 6,5 | **1.889,70** |
| 268403103XD | HJBMX 40 M4 0,18kW | 1390 | 1,75 | 0,18 | 5.270 | 52 | 9 | **2.304,40** |

* ZONE 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)
* ZONA1: VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € Zone 1* |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Zona 1* |
| 268263106XD | HJBMX 25 T4 0,12kW | 1412 | 0,65 | 0,12 | 1.440 | 42 | 4 | **1.248,60** |
| 268313106XD | HJBMX 30 T4 0,12kW | 1412 | 0,65 | 0,12 | 2.440 | 46 | 5 | **1.211,70** |
| 268363106XD | HJBMX 35 T4 0,25kW | 1372 | 1 | 0,25 | 3.510 | 47 | 6,5 | **1.279,40** |
| 268403106XD | HJBMX 40 T4 0,25kW | 1372 | 1 | 0,25 | 5.270 | 48 | 9 | **1.462,90** |
| 268453106XD | HJBMX 45 T4 0,37kW | 1378 | 1,25 | 0,37 | 7.260 | 55 | 13 | **1.599,50** |

* ZONE 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)
* ZONA 1: VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)

## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € Zone 1* |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Zona 1* |
| 268413106XD | HJBMX 40 T6 0,18kW | 908 | 0,8 | 0,18 | 3.410 | 43 | 9 | **1.558,80** |
| 268463106XD | HJBMX 45 T6 0,18kW | 908 | 0,8 | 0,18 | 4.710 | 46 | 13 | **1.576,00** |
| 268513106XD | HJBMX 50 T6 0,18kW | 908 | 0,8 | 0,18 | 6.040 | 47 | 18 | **1.985,70** |
| 268573106XD | HJBMX 56 T6 0,18kW | 908 | 0,8 | 0,18 | 7.800 | 51 | 20 | **2.059,10** |

* ZONE 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)
* ZONA 1: VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)

# ENKELROOF EEC 50/60 Hz



**Specially designed cowl to improve watertightness and integration of the assembly**

Sombrerete especialmente diseñado para mejorar la estanqueidad e integración del conjunto

**casals.com**

# HBX



ErP Exempt

60 +info Hz

Ex

## ATEX WALL PLATE AXIAL

### MANUFACTURING FEATURES

- Plate axial fan, circular reinforced frame.
- Motor-impeller assembly through a modular system.
- Cast aluminium impeller.
- Protected against corrosion by powder coating of polyester resin.
- Standard asynchronous motorwith ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz. IP55 protection.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

## HELICOIDAL MURAL ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado con nervio intermedio.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Hélice en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Protección IP55.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice motor). Añadir 5% en el PVP.
- Hélice reversible 100%. Añadir 5% en el PVP.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno para fachada.



**MC HB** pg.483
Square mounting frame for HB fans.
Marco soporte cuadrado para ventiladores HB.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIB T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

# HBX | ZONE / ZONA 1

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 |
| HBX 45 T4 (A0:6) | **913,60** | | | | | | | | |
| HBX 45 T4 (A5:6) | **1.100,40** | **1.137,70** | **1.274,90** | | | | | | |
| HBX 50 T4 (A0:6) | | **1.071,30** | | | | | | | |
| HBX 50 T4 (A5:6) | **1.220,70** | **1.258,00** | **1.395,20** | **1.683,10** | | | | | |
| HBX 56 T4 (A5:6) | | **1.328,60** | **1.465,80** | **1.753,70** | **1.811,20** | **1.955,10** | **2.378,60** | | |
| HBX 63 T4 (A5:6) | | | **1.576,30** | **1.864,20** | **1.921,70** | **2.065,60** | **2.489,10** | **2.600,90** | |
| HBX 71 T4 (A5:6) | | | | **1.975,50** | **2.033,00** | **2.176,90** | **2.600,40** | **2.712,20** | **3.113,60** |
| HBX 80 T4 (A5:6) | | | | | **2.187,40** | **2.331,30** | **2.754,80** | **2.866,60** | **3.268,00** |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HBX 90 T4 (A6:3) | **3.772,20** | **4.173,60** | **4.986,50** | **5.150,80** | **6.803,70** | **7.604,80** | | | | | |
| HBX 90 T4 (A6:6) | **4.094,60** | **4.496,00** | **5.308,90** | **5.473,20** | **7.126,10** | **7.927,20** | | | | | |
| HBX 100 T4 (A6:3) | | | **5.329,70** | **5.494,00** | **7.146,90** | **7.948,00** | **9.025,10** | **9.753,40** | | | |
| HBX 100 T4 (A6:6) | | | **5.652,30** | **5.816,60** | **7.469,50** | **8.270,60** | **9.347,70** | **10.076,00** | | | |
| HBX 112 T4 (A6:3) | | | **6.511,10** | **6.675,40** | **8.328,30** | **9.129,40** | **10.206,50** | **10.934,80** | **13.089,00** | **15.583,80** | |
| HBX 112 T4 (A6:6) | | | **6.833,50** | **6.997,80** | **8.650,70** | **9.451,80** | **10.528,90** | **11.257,20** | **13.411,40** | **15.906,20** | |
| HBX 125 T4 (A7:4) | | | | **7.389,50** | **9.042,40** | **9.843,50** | **10.920,60** | **11.648,90** | **13.803,10** | **16.297,90** | **17.647,60** |
| HBX 125 T4 (A7:8) | | | | | **9.472,40** | **10.273,50** | **11.350,60** | **12.078,90** | **14.233,10** | **16.727,90** | **18.077,60** |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 45 T6 (A0:6) | **983,10** | | | | | | | | | | | | |
| HBX 45 T6 (A5:6) | **1.169,90** | | | | | | | | | | | | |
| HBX 50 T6 (A0:6) | **1.103,50** | | | | | | | | | | | | |
| HBX 50 T6 (A5:6) | **1.290,20** | | | | | | | | | | | | |
| HBX 56 T6 (A5:6) | **1.360,80** | **1.492,80** | **1.572,50** | | | | | | | | | | |
| HBX 63 T6 (A5:6) | | **1.603,30** | **1.683,00** | **2.060,60** | | | | | | | | | |
| HBX 71 T6 (A5:6) | | **1.714,60** | **1.794,30** | **2.171,90** | **2.371,70** | | | | | | | | |
| HBX 80 T6 (A5:6) | | | | **2.326,30** | **2.526,10** | **2.666,80** | **3.096,90** | | | | | | |
| HBX 90 T6 (A6:3) | | | | | | **3.572,40** | **4.002,50** | **4.659,60** | **5.005,10** | | | | |
| HBX 90 T6 (A6:6) | | | | | | **3.894,80** | **4.324,90** | **4.982,00** | **5.327,50** | | | | |
| HBX 100 T6 (A6:3) | | | | | | | | **5.002,80** | **5.348,30** | **5.893,70** | **7.070,80** | | |
| HBX 100 T6 (A6:6) | | | | | | | | **5.325,40** | **5.670,90** | **6.216,30** | **7.393,40** | | |
| HBX 112 T6 (A6:3) | | | | | | | | **6.184,20** | **6.529,70** | **7.075,10** | **8.252,20** | **9.226,00** | |
| HBX 112 T6 (A6:6) | | | | | | | | **6.506,60** | **6.852,10** | **7.397,50** | **8.574,60** | **9.548,40** | |
| HBX 125 T6 (A7:4) | | | | | | | | **6.898,30** | **7.243,80** | **7.789,20** | **8.966,30** | **9.940,10** | **11.621,80** |
| HBX 125 T6 (A7:8) | | | | | | | | **7.328,30** | **7.673,80** | **8.219,20** | **9.396,30** | **10.370,10** | **12.051,80** |

# HBX | ZONE / ZONA 2

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 45 T4 (A0:6) | 876,40 | | | | | | | | | | | | |
| HBX 45 T4 (A5:6) | 1.063,20 | 1.086,80 | 1.188,80 | | | | | | | | | | |
| HBX 50 T4 (A0:6) | | 1.020,40 | | | | | | | | | | | |
| HBX 50 T4 (A5:6) | 1.183,50 | 1.207,10 | 1.309,10 | 1.411,10 | | | | | | | | | |
| HBX 56 T4 (A5:6) | | 1.277,70 | 1.379,70 | 1.481,70 | 1.638,60 | 1.732,80 | 1.983,90 | | | | | | |
| HBX 63 T4 (A5:6) | | | 1.490,20 | 1.592,20 | 1.749,10 | 1.843,30 | 2.094,40 | 2.196,40 | | | | | |
| HBX 71 T4 (A5:6) | | | | 1.703,50 | 1.860,40 | 1.954,60 | 2.205,70 | 2.307,70 | 2.574,50 | | | | |
| HBX 80 T4 (A5:6) | | | | | 2.014,80 | 2.109,00 | 2.360,10 | 2.462,10 | 2.728,90 | | | | |
| HBX 90 T4 (A6:3) | | | | | | | | 3.367,70 | 3.634,50 | 4.089,60 | 4.372,00 | 5.664,10 | 6.009,30 |
| HBX 90 T4 (A6:6) | | | | | | | | 3.690,10 | 3.956,90 | 4.412,00 | 4.694,40 | 5.986,50 | 6.331,70 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HBX 100 T4 (A6:3) | 4.432,80 | 4.715,20 | 6.007,30 | 6.352,50 | 7.523,50 | 8.093,90 | | | |
| HBX 100 T4 (A6:6) | 4.755,40 | 5.037,80 | 6.329,90 | 6.675,10 | 7.846,10 | 8.416,50 | | | |
| HBX 112 T4 (A6:3) | 5.614,20 | 5.896,60 | 7.188,70 | 7.533,90 | 8.704,90 | 9.275,30 | 11.346,80 | 12.810,40 | |
| HBX 112 T4 (A6:6) | 5.936,60 | 6.219,00 | 7.511,10 | 7.856,30 | 9.027,30 | 9.597,70 | 11.669,20 | 13.132,80 | |
| HBX 125 T4 (A7:4) | | 6.610,70 | 7.902,80 | 8.248,00 | 9.419,00 | 9.989,40 | 12.060,90 | 13.524,50 | 14.222,60 |
| HBX 125 T4 (A7:8) | | | 8.332,80 | 8.678,00 | 9.849,00 | 10.419,40 | 12.490,90 | 13.954,50 | 14.652,60 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 63 T6 (A5:6) | 1.757,00 | | | | | | | | | |
| HBX 71 T6 (A5:6) | 1.868,30 | 2.001,60 | | | | | | | | |
| HBX 80 T6 (A5:6) | 2.022,70 | 2.156,00 | 2.313,00 | 2.642,50 | | | | | | |
| HBX 90 T6 (A6:3) | | | 3.218,60 | 3.548,10 | 3.862,10 | 4.081,70 | | | | |
| HBX 90 T6 (A6:6) | | | 3.541,00 | 3.870,50 | 4.184,50 | 4.404,10 | | | | |
| HBX 100 T6 (A6:3) | | | | | 4.205,30 | 4.424,90 | 4.785,90 | 6.037,30 | | |
| HBX 100 T6 (A6:6) | | | | | 4.527,90 | 4.747,50 | 5.108,50 | 6.359,90 | | |
| HBX 112 T6 (A6:3) | | | | | 5.386,70 | 5.606,30 | 5.967,30 | 7.218,70 | 7.549,00 | |
| HBX 112 T6 (A6:6) | | | | | 5.709,10 | 5.928,70 | 6.289,70 | 7.541,10 | 7.871,40 | |
| HBX 125 T6 (A7:4) | | | | | 6.100,80 | 6.320,40 | 6.681,40 | 7.932,80 | 8.263,10 | 9.906,80 |
| HBX 125 T6 (A7:8) | | | | | 6.530,80 | 6.750,40 | 7.111,40 | 8.362,80 | 8.693,10 | 10.336,80 |

# HBX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 45 T4 (A0:6) | 913,60 | | | | | | | | | | | | |
| HBX 45 T4 (A5:6) | 1.100,40 | 1.137,70 | 1.274,90 | | | | | | | | | | |
| HBX 50 T4 (A0:6) | | 1.071,30 | | | | | | | | | | | |
| HBX 50 T4 (A5:6) | 1.220,70 | 1.258,00 | 1.395,20 | 1.495,10 | | | | | | | | | |
| HBX 56 T4 (A5:6) | | 1.328,60 | 1.465,80 | 1.565,70 | 1.726,40 | 1.821,20 | 2.175,30 | | | | | | |
| HBX 63 T4 (A5:6) | | | 1.576,30 | 1.676,20 | 1.836,90 | 1.931,70 | 2.285,80 | 2.380,60 | | | | | |
| HBX 71 T4 (A5:6) | | | | 1.787,50 | 1.948,20 | 2.043,00 | 2.397,10 | 2.491,90 | 2.912,00 | | | | |
| HBX 80 T4 (A5:6) | | | | | 2.102,60 | 2.197,40 | 2.551,50 | 2.646,30 | 3.066,40 | | | | |
| HBX 90 T4 (A6:3) | | | | | | | | 3.551,90 | 3.972,00 | 4.986,50 | 5.150,80 | 6.803,70 | 7.604,80 |
| HBX 90 T4 (A6:6) | | | | | | | | 3.874,30 | 4.294,40 | 5.308,90 | 5.473,20 | 7.126,10 | 7.927,20 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HBX 100 T4 (A6:3) | 5.329,70 | 5.494,00 | 7.146,90 | 7.948,00 | 9.025,10 | 9.753,40 | | | |
| HBX 100 T4 (A6:6) | 5.652,30 | 5.816,60 | 7.469,50 | 8.270,60 | 9.347,70 | 10.076,00 | | | |
| HBX 112 T4 (A6:3) | 6.511,10 | 6.675,40 | 8.328,30 | 9.129,40 | 10.206,50 | 10.934,80 | 13.089,00 | 15.583,80 | |
| HBX 112 T4 (A6:6) | 6.833,50 | 6.997,80 | 8.650,70 | 9.451,80 | 10.528,90 | 11.257,20 | 13.411,40 | 15.906,20 | |
| HBX 125 T4 (A7:4) | | 7.389,50 | 9.042,40 | 9.843,50 | 10.920,60 | 11.648,90 | 13.803,10 | 16.297,90 | 17.647,60 |
| HBX 125 T4 (A7:8) | | | 9.472,40 | 10.273,50 | 11.350,60 | 12.078,90 | 14.233,10 | 16.727,90 | 18.077,60 |

# HBX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 63 T6 (A5:6) | 1.944,00 | | | | | | | | | |
| HBX 71 T6 (A5:6) | 2.055,30 | 2.199,40 | | | | | | | | |
| HBX 80 T6 (A5:6) | 2.209,70 | 2.353,80 | 3.025,20 | 3.190,00 | | | | | | |
| HBX 90 T6 (A6:3) | | | 3.930,80 | 4.095,60 | 4.659,60 | 5.005,10 | | | | |
| HBX 90 T6 (A6:6) | | | 4.253,20 | 4.418,00 | 4.982,00 | 5.327,50 | | | | |
| HBX 100 T6 (A6:3) | | | | | 5.002,80 | 5.348,30 | 5.893,70 | 7.070,80 | | |
| HBX 100 T6 (A6:6) | | | | | 5.325,40 | 5.670,90 | 6.216,30 | 7.393,40 | | |
| HBX 112 T6 (A6:3) | | | | | 6.184,20 | 6.529,70 | 7.075,10 | 8.252,20 | 9.226,00 | |
| HBX 112 T6 (A6:6) | | | | | 6.506,60 | 6.852,10 | 7.397,50 | 8.574,60 | 9.548,40 | |
| HBX 125 T6 (A7:4) | | | | | 6.898,30 | 7.243,80 | 7.789,20 | 8.966,30 | 9.940,10 | 11.621,80 |
| HBX 125 T6 (A7:8) | | | | | 7.328,30 | 7.673,80 | 8.219,20 | 9.396,30 | 10.370,10 | 12.051,80 |

# HBX | ZONE / ZONA 22 (NON CONDUCTIVE DUST/POLVO NO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 45 T4 (A0:6) | 895,60 | | | | | | | | | | | | |
| HBX 45 T4 (A5:6) | 1.082,40 | 1.107,20 | 1.214,30 | | | | | | | | | | |
| HBX 50 T4 (A0:6) | | 1.040,80 | | | | | | | | | | | |
| HBX 50 T4 (A5:6) | 1.202,70 | 1.227,50 | 1.334,60 | 1.441,70 | | | | | | | | | |
| HBX 56 T4 (A5:6) | | 1.298,10 | 1.405,20 | 1.512,30 | 1.677,10 | 1.775,90 | 2.039,60 | | | | | | |
| HBX 63 T4 (A5:6) | | | 1.515,70 | 1.622,80 | 1.787,60 | 1.886,40 | 2.150,10 | 2.257,20 | | | | | |
| HBX 71 T4 (A5:6) | | | | 1.734,10 | 1.898,90 | 1.997,70 | 2.261,40 | 2.368,50 | 2.648,70 | | | | |
| HBX 80 T4 (A5:6) | | | | | 2.053,30 | 2.152,10 | 2.415,80 | 2.522,90 | 2.803,10 | | | | |
| HBX 90 T4 (A6:3) | | | | | | | | 3.428,50 | 3.708,70 | 4.186,50 | 4.483,10 | 5.839,70 | 6.202,20 |
| HBX 90 T4 (A6:6) | | | | | | | | 3.750,90 | 4.031,10 | 4.508,90 | 4.805,50 | 6.162,10 | 6.524,60 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HBX 100 T4 (A6:3) | 4.529,70 | 4.826,30 | 6.182,90 | 6.545,40 | 7.774,90 | 8.373,90 | | | |
| HBX 100 T4 (A6:6) | 4.852,30 | 5.148,90 | 6.505,50 | 6.868,00 | 8.097,50 | 8.696,50 | | | |
| HBX 112 T4 (A6:3) | 5.711,10 | 6.007,70 | 7.364,30 | 7.726,80 | 8.956,30 | 9.555,30 | 11.730,40 | 13.267,20 | |
| HBX 112 T4 (A6:6) | 6.033,50 | 6.330,10 | 7.686,70 | 8.049,20 | 9.278,70 | 9.877,70 | 12.052,80 | 13.589,60 | |
| HBX 125 T4 (A7:4) | | 6.721,80 | 8.078,40 | 8.440,90 | 9.670,40 | 10.269,40 | 12.444,50 | 13.981,30 | 14.714,20 |
| HBX 125 T4 (A7:8) | | | 8.508,40 | 8.870,90 | 10.100,40 | 10.699,40 | 12.874,50 | 14.411,30 | 15.144,20 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 63 T6 (A5:6) | 1.795,80 | | | | | | | | | |
| HBX 71 T6 (A5:6) | 1.907,10 | 2.047,20 | | | | | | | | |
| HBX 80 T6 (A5:6) | 2.061,50 | 2.201,60 | 2.366,40 | 2.712,40 | | | | | | |
| HBX 90 T6 (A6:3) | | | 3.272,00 | 3.618,00 | 3.947,50 | 4.178,30 | | | | |
| HBX 90 T6 (A6:6) | | | 3.594,40 | 3.940,40 | 4.269,90 | 4.500,70 | | | | |
| HBX 100 T6 (A6:3) | | | | | 4.290,70 | 4.521,50 | 4.900,50 | 6.214,50 | | |
| HBX 100 T6 (A6:6) | | | | | 4.613,30 | 4.844,10 | 5.223,10 | 6.537,10 | | |
| HBX 112 T6 (A6:3) | | | | | 5.472,10 | 5.702,90 | 6.081,90 | 7.395,90 | 7.742,60 | |
| HBX 112 T6 (A6:6) | | | | | 5.794,50 | 6.025,30 | 6.404,30 | 7.718,30 | 8.065,00 | |
| HBX 125 T6 (A7:4) | | | | | 6.186,20 | 6.417,00 | 6.796,00 | 8.110,00 | 8.456,70 | 10.182,60 |
| HBX 125 T6 (A7:8) | | | | | 6.616,20 | 6.847,00 | 7.226,00 | 8.540,00 | 8.886,70 | 10.612,60 |

# BOX HBX



ATEX INLINE SOUNDPROOF CABINET AXIAL

### MANUFACTURING FEATURES

• BOX: Galvanized steel soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Easy motor access and fan maintenance through removable panels.
• HBX: internal axial fan, circular reinforced frame. Modular motor-impeller assembly. Polyamide impeller with variable pitch angle reinforced with fibreglass. Sparkproof aluminium hoop. Polyester powder finishing coat. Motor-impeller assembly through modular system. Variable pitch angle polyamide impeller reinforced with fibreglass. Polyester powder finishing coat.
• Asynchronous squirrel cage standard motor, IP-55 protection. ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:
• Air renewal in buildings and industries.
• Smoke extraction (max. 45-50ºC).
• Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

• B-form impeller (air from impeller to motor). 5% additional cost.
• 100% reversible impeller. 5% additional cost.
• ATEX classification for other areas.

HELICOIDAL INLINE ATEX EN CAJA INSONORIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

• BOX: Caja construida en chapa de acero galvanizado aislada con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
• HBX: Ventilador interior helicoidal de marco redondo reforzado con nervio intermedio y con aro de aluminio antichispas. Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio. Hélice de aluminio con ángulo variable en origen. Envolvente con aro de aluminio antichispas. Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
• Motor asíncrono normalizado de jaula de ardilla con protección IP-55 con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:
• Renovación de aire en todo tipo de edificios e industrias.
• Extracción de humos (máximo 45-50ºC).
•Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

• Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
• Hélice reversible 100%. Incremento 5% sobre PVP.
• Clasificación ATEX para otras zonas.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP0** pg.455
Outlet protection guard.
Rejilla de protección.



**PC2** pg.461
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno para fachada.



**PCP** pg.461
Gravity shutter.
Persiana de sobrepresión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AC** pg.479
Connexion flange.
Brida de connexión.



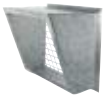
**MC HB** pg.483
Square mounting frame for HB fans.
Marco soporte cuadrado para ventiladores HB.



**RP1** pg.456
Inlet protection guard.
Rejilla de protección.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**VISB** pg.485
Outdoor flange with bird guard for BOX HB series.
Visera intemperie con malla antipájaros para serie BOX HB.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

# BOX HBX | ZONE / ZONA 1

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 45 T4 (A0:6) | 1.355,60 | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.542,40 | 1.579,70 | 1.716,90 | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 1.453,10 | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.602,60 | 1.639,90 | 1.777,10 | 2.065,00 | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | 1.884,00 | 2.021,20 | 2.309,10 | 2.366,60 | 2.510,50 | 2.934,00 | | | | | | |
| BOX HBX 63 T4 (A5:6) | | | 2.076,40 | 2.364,30 | 2.421,80 | 2.565,70 | 2.989,20 | 3.101,00 | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 2.700,10 | 2.757,60 | 2.901,50 | 3.325,00 | 3.436,80 | 3.838,20 | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 2.834,70 | 2.978,60 | 3.402,10 | 3.513,90 | 3.915,30 | | | | |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 4.867,80 | 5.269,20 | 6.082,10 | 6.246,40 | 7.899,30 | 8.700,40 |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 5.190,20 | 5.591,60 | 6.404,50 | 6.568,80 | 8.221,70 | 9.022,80 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| BOX HBX 100 T4 (A6:3) | 6.269,50 | 6.433,80 | 8.086,70 | 8.887,80 | 9.964,90 | 10.693,20 | | | |
| BOX HBX 100 T4 (A6:6) | 6.591,90 | 6.756,20 | 8.409,10 | 9.210,20 | 10.287,30 | 11.015,60 | | | |
| BOX HBX 112 T4 (A6:3) | 8.257,80 | 8.422,10 | 10.075,00 | 10.876,10 | 11.953,20 | 12.681,50 | 14.835,70 | 17.330,50 | |
| BOX HBX 112 T4 (A6:6) | 8.580,40 | 8.744,70 | 10.397,60 | 11.198,70 | 12.275,80 | 13.004,10 | 15.158,30 | 17.653,10 | |
| BOX HBX 125 T4 (A7:4) | | 9.030,20 | 10.683,10 | 11.484,20 | 12.561,30 | 13.289,60 | 15.443,80 | 17.938,60 | 19.288,30 |
| BOX HBX 125 T4 (A7:8) | | | 11.113,00 | 11.914,10 | 12.991,20 | 13.719,50 | 15.873,70 | 18.368,50 | 19.718,20 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 45 T6 (A0:6) | 1.425,10 | | | | | | | | | | | | |
| BOX HBX 45 T6 (A5:6) | 1.611,90 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A0:6) | 1.485,30 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A5:6) | 1.672,10 | | | | | | | | | | | | |
| BOX HBX 56 T6 (A5:6) | 1.916,20 | 2.048,20 | 2.127,90 | | | | | | | | | | |
| BOX HBX 63 T6 (A5:6) | | 2.103,40 | 2.183,10 | 2.560,70 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | | 2.439,20 | 2.518,90 | 2.896,50 | 3.096,30 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | | | | 2.973,60 | 3.173,40 | 3.314,10 | 3.744,20 | | | | | | |
| BOX HBX 90 T6 (A6:3) | | | | | | 4.668,00 | 5.098,10 | 5.755,20 | 6.100,70 | | | | |
| BOX HBX 90 T6 (A6:6) | | | | | | 4.990,40 | 5.420,50 | 6.077,60 | 6.423,10 | | | | |
| BOX HBX 100 T6 (A6:3) | | | | | | | | 5.942,60 | 6.288,10 | 6.833,50 | 8.010,60 | | |
| BOX HBX 100 T6 (A6:6) | | | | | | | | 6.265,00 | 6.610,50 | 7.155,90 | 8.333,00 | | |
| BOX HBX 112 T6 (A6:3) | | | | | | | | 7.930,90 | 8.276,40 | 8.821,80 | 9.998,90 | 10.972,70 | |
| BOX HBX 112 T6 (A6:6) | | | | | | | | 8.253,50 | 8.599,00 | 9.144,40 | 10.321,50 | 11.295,30 | |
| BOX HBX 125 T6 (A7:4) | | | | | | | | 8.539,00 | 8.884,50 | 9.429,90 | 10.607,00 | 11.580,80 | 13.262,50 |
| BOX HBX 125 T6 (A7:8) | | | | | | | | 8.968,90 | 9.314,40 | 9.859,80 | 11.036,90 | 12.010,70 | 13.692,40 |

# BOX HBX | ZONE / ZONA 2

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 45 T4 (A0:6) | 1.318,40 | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.505,20 | 1.528,80 | 1.630,80 | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 1.402,20 | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.565,40 | 1.589,00 | 1.691,00 | 1.793,00 | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | 1.833,10 | 1.935,10 | 2.037,10 | 2.194,00 | 2.288,20 | 2.539,30 | | | | | | |
| BOX HBX 63 T4 (A5:6) | | | 1.990,30 | 2.092,30 | 2.249,20 | 2.343,40 | 2.594,50 | 2.696,50 | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 2.428,10 | 2.585,00 | 2.679,20 | 2.930,30 | 3.032,30 | 3.299,10 | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 2.662,10 | 2.756,30 | 3.007,40 | 3.109,40 | 3.376,20 | | | | |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 4.463,30 | 4.730,10 | 5.185,20 | 5.467,60 | 6.759,70 | 7.104,90 |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 4.785,70 | 5.052,50 | 5.507,60 | 5.790,00 | 7.082,10 | 7.427,30 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| BOX HBX 100 T4 (A6:3) | 5.372,60 | 5.655,00 | 6.947,10 | 7.292,30 | 8.463,30 | 9.033,70 | | | |
| BOX HBX 100 T4 (A6:6) | 5.695,00 | 5.977,40 | 7.269,50 | 7.614,70 | 8.785,70 | 9.356,10 | | | |
| BOX HBX 112 T4 (A6:3) | 7.360,90 | 7.643,30 | 8.935,40 | 9.280,60 | 10.451,60 | 11.022,00 | 13.093,50 | 14.557,10 | |
| BOX HBX 112 T4 (A6:6) | 7.683,50 | 7.965,90 | 9.258,00 | 9.603,20 | 10.774,20 | 11.344,60 | 13.416,10 | 14.879,70 | |
| BOX HBX 125 T4 (A7:4) | | 8.251,40 | 9.543,50 | 9.888,70 | 11.059,70 | 11.630,10 | 13.701,60 | 15.165,20 | 15.863,30 |
| BOX HBX 125 T4 (A7:8) | | | 9.973,40 | 10.318,60 | 11.489,60 | 12.060,00 | 14.131,50 | 15.595,10 | 16.293,20 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 63 T6 (A5:6) | 2.257,10 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | 2.592,90 | 2.726,20 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | 2.670,00 | 2.803,30 | 2.960,30 | 3.289,80 | | | | | | |
| BOX HBX 90 T6 (A6:3) | | | 4.314,20 | 4.643,70 | 4.957,70 | 5.177,30 | | | | |
| BOX HBX 90 T6 (A6:6) | | | 4.636,60 | 4.966,10 | 5.280,10 | 5.499,70 | | | | |
| BOX HBX 100 T6 (A6:3) | | | | | 5.145,10 | 5.364,70 | 5.725,70 | 6.977,10 | | |
| BOX HBX 100 T6 (A6:6) | | | | | 5.467,50 | 5.687,10 | 6.048,10 | 7.299,50 | | |
| BOX HBX 112 T6 (A6:3) | | | | | 7.133,40 | 7.353,00 | 7.714,00 | 8.965,40 | 9.295,70 | |
| BOX HBX 112 T6 (A6:6) | | | | | 7.456,00 | 7.675,60 | 8.036,60 | 9.288,00 | 9.618,30 | |
| BOX HBX 125 T6 (A7:4) | | | | | 7.741,50 | 7.961,10 | 8.322,10 | 9.573,50 | 9.903,80 | 11.547,50 |
| BOX HBX 125 T6 (A7:8) | | | | | 8.171,40 | 8.391,00 | 8.752,00 | 10.003,40 | 10.333,70 | 11.977,40 |

# BOX HBX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 45 T4 (A0:6) | 1.355,60 | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.542,40 | 1.579,70 | 1.716,90 | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 1.453,10 | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.602,60 | 1.639,90 | 1.777,10 | 1.877,00 | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | 1.884,00 | 2.021,20 | 2.121,10 | 2.281,80 | 2.376,60 | 2.730,70 | | | | | | |
| BOX HBX 63 T4 (A5:6) | | | 2.076,40 | 2.176,30 | 2.337,00 | 2.431,80 | 2.785,90 | 2.880,70 | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 2.512,10 | 2.672,80 | 2.767,60 | 3.121,70 | 3.216,50 | 3.636,60 | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 2.749,90 | 2.844,70 | 3.198,80 | 3.293,60 | 3.713,70 | | | | |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 4.647,50 | 5.067,60 | 6.082,10 | 6.246,40 | 7.899,30 | 8.700,40 |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 4.969,90 | 5.390,00 | 6.404,50 | 6.568,80 | 8.221,70 | 9.022,80 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| BOX HBX 100 T4 (A6:3) | 6.269,50 | 6.433,80 | 8.086,70 | 8.887,80 | 9.964,90 | 10.693,20 | | | |
| BOX HBX 100 T4 (A6:6) | 6.591,90 | 6.756,20 | 8.409,10 | 9.210,20 | 10.287,30 | 11.015,60 | | | |
| BOX HBX 112 T4 (A6:3) | 8.257,80 | 8.422,10 | 10.075,00 | 10.876,10 | 11.953,20 | 12.681,50 | 14.835,70 | 17.330,50 | |
| BOX HBX 112 T4 (A6:6) | 8.580,40 | 8.744,70 | 10.397,60 | 11.198,70 | 12.275,80 | 13.004,10 | 15.158,30 | 17.653,10 | |
| BOX HBX 125 T4 (A7:4) | | 9.030,20 | 10.683,10 | 11.484,20 | 12.561,30 | 13.289,60 | 15.443,80 | 17.938,60 | 19.288,30 |
| BOX HBX 125 T4 (A7:8) | | | 11.113,00 | 11.914,10 | 12.991,20 | 13.719,50 | 15.873,70 | 18.368,50 | 19.718,20 |

# BOX HBX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 63 T6 (A5:6) | 2.444,10 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | 2.779,90 | 2.924,00 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | 2.857,00 | 3.001,10 | 3.672,50 | 3.837,30 | | | | | | |
| BOX HBX 90 T6 (A6:3) | | | 5.026,40 | 5.191,20 | 5.755,20 | 6.100,70 | | | | |
| BOX HBX 90 T6 (A6:6) | | | 5.348,80 | 5.513,60 | 6.077,60 | 6.423,10 | | | | |
| BOX HBX 100 T6 (A6:3) | | | | | 5.942,60 | 6.288,10 | 6.833,50 | 8.010,60 | | |
| BOX HBX 100 T6 (A6:6) | | | | | 6.265,00 | 6.610,50 | 7.155,90 | 8.333,00 | | |
| BOX HBX 112 T6 (A6:3) | | | | | 7.930,90 | 8.276,40 | 8.821,80 | 9.998,90 | 10.972,70 | |
| BOX HBX 112 T6 (A6:6) | | | | | 8.253,50 | 8.599,00 | 9.144,40 | 10.321,50 | 11.295,30 | |
| BOX HBX 125 T6 (A7:4) | | | | | 8.539,00 | 8.884,50 | 9.429,90 | 10.607,00 | 11.580,80 | 13.262,50 |
| BOX HBX 125 T6 (A7:8) | | | | | 8.968,90 | 9.314,40 | 9.859,80 | 11.036,90 | 12.010,70 | 13.692,40 |

# BOX HBX | ZONE / ZONA 22 ( NON CONDUCTIVE DUST/POLVO NO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 45 T4 (A0:6) | 1.337,60 | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.524,40 | 1.549,20 | 1.656,30 | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 1.422,60 | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.584,60 | 1.609,40 | 1.716,50 | 1.823,60 | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | 1.853,50 | 1.960,60 | 2.067,70 | 2.232,50 | 2.331,30 | 2.595,00 | | | | | | |
| BOX HBX 63 T4 (A5:6) | | | 2.015,80 | 2.122,90 | 2.287,70 | 2.386,50 | 2.650,20 | 2.757,30 | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 2.458,70 | 2.623,50 | 2.722,30 | 2.986,00 | 3.093,10 | 3.373,30 | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 2.700,60 | 2.799,40 | 3.063,10 | 3.170,20 | 3.450,40 | | | | |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 4.524,10 | 4.804,30 | 5.282,10 | 5.578,70 | 6.935,30 | 7.297,80 |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 4.846,50 | 5.126,70 | 5.604,50 | 5.901,10 | 7.257,70 | 7.620,20 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| BOX HBX 100 T4 (A6:3) | 5.469,50 | 5.766,10 | 7.122,70 | 7.485,20 | 8.714,70 | 9.313,70 | | | |
| BOX HBX 100 T4 (A6:6) | 5.791,90 | 6.088,50 | 7.445,10 | 7.807,60 | 9.037,10 | 9.636,10 | | | |
| BOX HBX 112 T4 (A6:3) | 7.457,80 | 7.754,40 | 9.111,00 | 9.473,50 | 10.703,00 | 11.302,00 | 13.477,10 | 15.013,90 | |
| BOX HBX 112 T4 (A6:6) | 7.780,40 | 8.077,00 | 9.433,60 | 9.796,10 | 11.025,60 | 11.624,60 | 13.799,70 | 15.336,50 | |
| BOX HBX 125 T4 (A7:4) | | 8.362,50 | 9.719,10 | 10.081,60 | 11.311,10 | 11.910,10 | 14.085,20 | 15.622,00 | 16.354,90 |
| BOX HBX 125 T4 (A7:8) | | | 10.149,00 | 10.511,50 | 11.741,00 | 12.340,00 | 14.515,10 | 16.051,90 | 16.784,80 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 63 T6 (A5:6) | 2.295,90 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | 2.631,70 | 2.771,80 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | 2.708,80 | 2.848,90 | 3.013,70 | 3.359,70 | | | | | | |
| BOX HBX 90 T6 (A6:3) | | | 4.367,60 | 4.713,60 | 5.043,10 | 5.273,90 | | | | |
| BOX HBX 90 T6 (A6:6) | | | 4.690,00 | 5.036,00 | 5.365,50 | 5.596,30 | | | | |
| BOX HBX 100 T6 (A6:3) | | | | | 5.230,50 | 5.461,30 | 5.840,30 | 7.154,30 | | |
| BOX HBX 100 T6 (A6:6) | | | | | 5.552,90 | 5.783,70 | 6.162,70 | 7.476,70 | | |
| BOX HBX 112 T6 (A6:3) | | | | | 7.218,80 | 7.449,60 | 7.828,60 | 9.142,60 | 9.489,30 | |
| BOX HBX 112 T6 (A6:6) | | | | | 7.541,40 | 7.772,20 | 8.151,20 | 9.465,20 | 9.811,90 | |
| BOX HBX 125 T6 (A7:4) | | | | | 7.826,90 | 8.057,70 | 8.436,70 | 9.750,70 | 10.097,40 | 11.823,30 |
| BOX HBX 125 T6 (A7:8) | | | | | 8.256,80 | 8.487,60 | 8.866,60 | 10.180,60 | 10.527,30 | 12.253,20 |

# HCX



ErP Exempt | 60 +info Hz | Ex

## ATEX SHORT CASED AXIAL

### MANUFACTURING FEATURES

- Reinforced fan short casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of polyester resin.
- Cast aluminium impeller with variable pitch angle (stopped and in origin).
- Standard asynchronous motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers. IP55 protection.

### APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50ºC).
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- ATEX classification for other areas.

## HELICOIDAL TUBULAR CAMISA CORTA ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa corta fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Hélice en fundición de aluminio de ángulo variable en paro y en origen.
- Motor asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Protección IP55.

### APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50ºC).
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Clasificación ATEX para otras zonas.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516

Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514

Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP** pg.455

Protection guard.
Rejilla de protección.



**SIL-C** pg.505

Circular silencer.
Silenciador circular.



**AC** pg.479

Connexion flange.
Brida de connexión.



**JE 45** pg.484

Flexible joint.
Junta elástica.



**BA-400** pg.484

Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**BAD** pg.484

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**PO** pg.473

Long cased axial fans mounting support.
Pie soporte para ventiladores tubulares.



**RP1** pg.456

Inlet protection guard.
Rejilla de protección.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

# HCX | ZONE / ZONA 1

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T4 (A0:6) | 940,40 | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 1.127,30 | 1.164,60 | 1.301,80 | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 1.111,50 | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 1.261,00 | 1.298,30 | 1.435,50 | 1.723,40 | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 1.368,00 | 1.505,20 | 1.793,10 | 1.850,60 | 1.994,50 | 2.418,00 | | | | | | |
| HCX 63 T4 (A5:6) | | | 1.615,00 | 1.902,90 | 1.960,40 | 2.104,30 | 2.527,80 | 2.639,60 | | | | | |
| HCX 71 T4 (A5:6) | | | | 2.083,10 | 2.140,60 | 2.284,50 | 2.708,00 | 2.819,80 | 3.221,20 | | | | |
| HCX 80 T4 (A5:6) | | | | | 2.285,50 | 2.429,40 | 2.852,90 | 2.964,70 | 3.366,10 | | | | |
| HCX 90 T4 (A6:3) | | | | | | | | 3.862,50 | 4.263,90 | 5.076,80 | 5.241,10 | 6.894,00 | 7.695,10 |
| HCX 90 T4 (A6:6) | | | | | | | | 4.185,00 | 4.586,40 | 5.399,30 | 5.563,60 | 7.216,50 | 8.017,60 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HCX 100 T4 (A6:3) | 5.451,40 | 5.615,70 | 7.268,60 | 8.069,70 | 9.146,80 | 9.875,10 | | | |
| HCX 100 T4 (A6:6) | 5.774,00 | 5.938,30 | 7.591,20 | 8.392,30 | 9.469,40 | 10.197,70 | | | |
| HCX 112 T4 (A6:3) | 6.894,60 | 7.058,90 | 8.711,80 | 9.512,90 | 10.590,00 | 11.318,30 | 13.472,50 | 15.967,30 | |
| HCX 112 T4 (A6:6) | 7.217,10 | 7.381,40 | 9.034,30 | 9.835,40 | 10.912,50 | 11.640,80 | 13.795,00 | 16.289,80 | |
| HCX 125 T4 (A7:4) | | 7.817,50 | 9.470,40 | 10.271,50 | 11.348,60 | 12.076,90 | 14.231,10 | 16.725,90 | 18.075,60 |
| HCX 125 T4 (A7:8) | | | 9.900,30 | 10.701,40 | 11.778,50 | 12.506,80 | 14.661,00 | 17.155,80 | 18.505,50 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T6 (A0:6) | 1.009,90 | | | | | | | | | | | | |
| HCX 45 T6 (A5:6) | 1.196,80 | | | | | | | | | | | | |
| HCX 50 T6 (A0:6) | 1.143,70 | | | | | | | | | | | | |
| HCX 50 T6 (A5:6) | 1.330,50 | | | | | | | | | | | | |
| HCX 56 T6 (A5:6) | 1.400,20 | 1.532,20 | 1.611,90 | | | | | | | | | | |
| HCX 63 T6 (A5:6) | | 1.642,00 | 1.721,70 | 2.099,30 | | | | | | | | | |
| HCX 71 T6 (A5:6) | | 1.822,20 | 1.901,90 | 2.279,50 | 2.479,30 | | | | | | | | |
| HCX 80 T6 (A5:6) | | | | 2.424,40 | 2.624,20 | 2.764,90 | 3.195,00 | | | | | | |
| HCX 90 T6 (A6:3) | | | | | | 3.662,70 | 4.092,80 | 4.749,90 | 5.095,40 | | | | |
| HCX 90 T6 (A6:6) | | | | | | 3.985,20 | 4.415,30 | 5.072,40 | 5.417,90 | | | | |
| HCX 100 T6 (A6:3) | | | | | | | | 5.124,50 | 5.470,00 | 6.015,40 | 7.192,50 | | |
| HCX 100 T6 (A6:6) | | | | | | | | 5.447,10 | 5.792,60 | 6.338,00 | 7.515,10 | | |
| HCX 112 T6 (A6:3) | | | | | | | | 6.567,70 | 6.913,20 | 7.458,60 | 8.635,70 | 9.609,50 | |
| HCX 112 T6 (A6:6) | | | | | | | | 6.890,20 | 7.235,70 | 7.781,10 | 8.958,20 | 9.932,00 | |
| HCX 125 T6 (A7:4) | | | | | | | | 7.326,30 | 7.671,80 | 8.217,20 | 9.394,30 | 10.368,10 | 12.049,80 |
| HCX 125 T6 (A7:8) | | | | | | | | 7.756,20 | 8.101,70 | 8.647,10 | 9.824,20 | 10.798,00 | 12.479,70 |

# HCX | ZONE / ZONA 2

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T4 (A0:6) | 903,20 | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 1.090,10 | 1.113,70 | 1.215,70 | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 1.060,60 | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 1.223,80 | 1.247,40 | 1.349,40 | 1.451,40 | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 1.317,10 | 1.419,10 | 1.521,10 | 1.678,00 | 1.772,20 | 2.023,30 | | | | | | |
| HCX 63 T4 (A5:6) | | | 1.528,90 | 1.630,90 | 1.787,80 | 1.882,00 | 2.133,10 | 2.235,10 | | | | | |
| HCX 71 T4 (A5:6) | | | | 1.811,10 | 1.968,00 | 2.062,20 | 2.313,30 | 2.415,30 | 2.682,10 | | | | |
| HCX 80 T4 (A5:6) | | | | | 2.112,90 | 2.207,10 | 2.458,20 | 2.560,20 | 2.827,00 | | | | |
| HCX 90 T4 (A6:3) | | | | | | | | 3.458,00 | 3.724,80 | 4.179,90 | 4.462,30 | 5.754,40 | 6.099,60 |
| HCX 90 T4 (A6:6) | | | | | | | | 3.780,50 | 4.047,30 | 4.502,40 | 4.784,80 | 6.076,90 | 6.422,10 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HCX 100 T4 (A6:3) | 4.554,50 | 4.836,90 | 6.129,00 | 6.474,20 | 7.645,20 | 8.215,60 | | | |
| HCX 100 T4 (A6:6) | 4.877,10 | 5.159,50 | 6.451,60 | 6.796,80 | 7.967,80 | 8.538,20 | | | |
| HCX 112 T4 (A6:3) | 5.997,70 | 6.280,10 | 7.572,20 | 7.917,40 | 9.088,40 | 9.658,80 | 11.730,30 | 13.193,90 | |
| HCX 112 T4 (A6:6) | 6.320,20 | 6.602,60 | 7.894,70 | 8.239,90 | 9.410,90 | 9.981,30 | 12.052,80 | 13.516,40 | |
| HCX 125 T4 (A7:4) | | 7.038,70 | 8.330,80 | 8.676,00 | 9.847,00 | 10.417,40 | 12.488,90 | 13.952,50 | 14.650,60 |
| HCX 125 T4 (A7:8) | | | 8.760,70 | 9.105,90 | 10.276,90 | 10.847,30 | 12.918,80 | 14.382,40 | 15.080,50 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 63 T6 (A5:6) | 1.795,70 | | | | | | | | | |
| HCX 71 T6 (A5:6) | 1.975,90 | 2.109,20 | | | | | | | | |
| HCX 80 T6 (A5:6) | 2.120,80 | 2.254,10 | 2.411,10 | 2.740,60 | | | | | | |
| HCX 90 T6 (A6:3) | | | 3.308,90 | 3.638,40 | 3.952,40 | 4.172,00 | | | | |
| HCX 90 T6 (A6:6) | | | 3.631,40 | 3.960,90 | 4.274,90 | 4.494,50 | | | | |
| HCX 100 T6 (A6:3) | | | | | 4.327,00 | 4.546,60 | 4.907,60 | 6.159,00 | | |
| HCX 100 T6 (A6:6) | | | | | 4.649,60 | 4.869,20 | 5.230,20 | 6.481,60 | | |
| HCX 112 T6 (A6:3) | | | | | 5.770,20 | 5.989,80 | 6.350,80 | 7.602,20 | 7.932,50 | |
| HCX 112 T6 (A6:6) | | | | | 6.092,70 | 6.312,30 | 6.673,30 | 7.924,70 | 8.255,00 | |
| HCX 125 T6 (A7:4) | | | | | 6.528,80 | 6.748,40 | 7.109,40 | 8.360,80 | 8.691,10 | 10.334,80 |
| HCX 125 T6 (A7:8) | | | | | 6.958,70 | 7.178,30 | 7.539,30 | 8.790,70 | 9.121,00 | 10.764,70 |

# HCX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T4 (A0:6) | 940,40 | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 1.127,30 | 1.164,60 | 1.301,80 | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 1.111,50 | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 1.261,00 | 1.298,30 | 1.435,50 | 1.535,40 | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 1.368,00 | 1.505,20 | 1.605,10 | 1.765,80 | 1.860,60 | 2.214,70 | | | | | | |
| HCX 63 T4 (A5:6) | | | 1.615,00 | 1.714,90 | 1.875,60 | 1.970,40 | 2.324,50 | 2.419,30 | | | | | |
| HCX 71 T4 (A5:6) | | | | 1.895,10 | 2.055,80 | 2.150,60 | 2.504,70 | 2.599,50 | 3.019,60 | | | | |
| HCX 80 T4 (A5:6) | | | | | 2.200,70 | 2.295,50 | 2.649,60 | 2.744,40 | 3.164,50 | | | | |
| HCX 90 T4 (A6:3) | | | | | | | | 3.642,20 | 4.062,30 | 5.076,80 | 5.241,10 | 6.894,00 | 7.695,10 |
| HCX 90 T4 (A6:6) | | | | | | | | 3.964,70 | 4.384,80 | 5.399,30 | 5.563,60 | 7.216,50 | 8.017,60 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HCX 100 T4 (A6:3) | 5.451,40 | 5.615,70 | 7.268,60 | 8.069,70 | 9.146,80 | 9.875,10 | | | |
| HCX 100 T4 (A6:6) | 5.774,00 | 5.938,30 | 7.591,20 | 8.392,30 | 9.469,40 | 10.197,70 | | | |
| HCX 112 T4 (A6:3) | 6.894,60 | 7.058,90 | 8.711,80 | 9.512,90 | 10.590,00 | 11.318,30 | 13.472,50 | 15.967,30 | |
| HCX 112 T4 (A6:6) | 7.217,10 | 7.381,40 | 9.034,30 | 9.835,40 | 10.912,50 | 11.640,80 | 13.795,00 | 16.289,80 | |
| HCX 125 T4 (A7:4) | | 7.817,50 | 9.470,40 | 10.271,50 | 11.348,60 | 12.076,90 | 14.231,10 | 16.725,90 | 18.075,60 |
| HCX 125 T4 (A7:8) | | | 9.900,30 | 10.701,40 | 11.778,50 | 12.506,80 | 14.661,00 | 17.155,80 | 18.505,50 |

# HCX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 63 T6 (A5:6) | 1.982,70 | | | | | | | | | |
| HCX 71 T6 (A5:6) | 2.162,90 | 2.307,00 | | | | | | | | |
| HCX 80 T6 (A5:6) | 2.307,80 | 2.451,90 | 3.123,30 | 3.288,10 | | | | | | |
| HCX 90 T6 (A6:3) | | | 4.021,10 | 4.185,90 | 4.749,90 | 5.095,40 | | | | |
| HCX 90 T6 (A6:6) | | | 4.343,60 | 4.508,40 | 5.072,40 | 5.417,90 | | | | |
| HCX 100 T6 (A6:3) | | | | | 5.124,50 | 5.470,00 | 6.015,40 | 7.192,50 | | |
| HCX 100 T6 (A6:6) | | | | | 5.447,10 | 5.792,60 | 6.338,00 | 7.515,10 | | |
| HCX 112 T6 (A6:3) | | | | | 6.567,70 | 6.913,20 | 7.458,60 | 8.635,70 | 9.609,50 | |
| HCX 112 T6 (A6:6) | | | | | 6.890,20 | 7.235,70 | 7.781,10 | 8.958,20 | 9.932,00 | |
| HCX 125 T6 (A7:4) | | | | | 7.326,30 | 7.671,80 | 8.217,20 | 9.394,30 | 10.368,10 | 12.049,80 |
| HCX 125 T6 (A7:8) | | | | | 7.756,20 | 8.101,70 | 8.647,10 | 9.824,20 | 10.798,00 | 12.479,70 |

# HCX | ZONE / ZONA 22 (NON CONDUCTIVE DUST/POLVO NO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T4 (A0:6) | 922,40 | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 1.109,30 | 1.134,10 | 1.241,20 | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 1.081,00 | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 1.243,00 | 1.267,80 | 1.374,90 | 1.482,00 | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 1.337,50 | 1.444,60 | 1.551,70 | 1.716,50 | 1.815,30 | 2.079,00 | | | | | | |
| HCX 63 T4 (A5:6) | | | 1.554,40 | 1.661,50 | 1.826,30 | 1.925,10 | 2.188,80 | 2.295,90 | | | | | |
| HCX 71 T4 (A5:6) | | | | 1.841,70 | 2.006,50 | 2.105,30 | 2.369,00 | 2.476,10 | 2.756,30 | | | | |
| HCX 80 T4 (A5:6) | | | | | 2.151,40 | 2.250,20 | 2.513,90 | 2.621,00 | 2.901,20 | | | | |
| HCX 90 T4 (A6:3) | | | | | | | | 3.518,80 | 3.799,00 | 4.276,80 | 4.573,40 | 5.930,00 | 6.292,50 |
| HCX 90 T4 (A6:6) | | | | | | | | 3.841,30 | 4.121,50 | 4.599,30 | 4.895,90 | 6.252,50 | 6.615,00 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HCX 100 T4 (A6:3) | 4.651,40 | 4.948,00 | 6.304,60 | 6.667,10 | 7.896,60 | 8.495,60 | | | |
| HCX 100 T4 (A6:6) | 4.974,00 | 5.270,60 | 6.627,20 | 6.989,70 | 8.219,20 | 8.818,20 | | | |
| HCX 112 T4 (A6:3) | 6.094,60 | 6.391,20 | 7.747,80 | 8.110,30 | 9.339,80 | 9.938,80 | 12.113,90 | 13.650,70 | |
| HCX 112 T4 (A6:6) | 6.417,10 | 6.713,70 | 8.070,30 | 8.432,80 | 9.662,30 | 10.261,30 | 12.436,40 | 13.973,20 | |
| HCX 125 T4 (A7:4) | | 7.149,80 | 8.506,40 | 8.868,90 | 10.098,40 | 10.697,40 | 12.872,50 | 14.409,30 | 15.142,20 |
| HCX 125 T4 (A7:8) | | | 8.936,30 | 9.298,80 | 10.528,30 | 11.127,30 | 13.302,40 | 14.839,20 | 15.572,10 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 63 T6 (A5:6) | 1.834,50 | | | | | | | | | |
| HCX 71 T6 (A5:6) | 2.014,70 | 2.154,80 | | | | | | | | |
| HCX 80 T6 (A5:6) | 2.159,60 | 2.299,70 | 2.464,50 | 2.810,50 | | | | | | |
| HCX 90 T6 (A6:3) | | | 3.362,30 | 3.708,30 | 4.037,80 | 4.268,60 | | | | |
| HCX 90 T6 (A6:6) | | | 3.684,80 | 4.030,80 | 4.360,30 | 4.591,10 | | | | |
| HCX 100 T6 (A6:3) | | | | | 4.412,40 | 4.643,20 | 5.022,20 | 6.336,20 | | |
| HCX 100 T6 (A6:6) | | | | | 4.735,00 | 4.965,80 | 5.344,80 | 6.658,80 | | |
| HCX 112 T6 (A6:3) | | | | | 5.855,60 | 6.086,40 | 6.465,40 | 7.779,40 | 8.126,10 | |
| HCX 112 T6 (A6:6) | | | | | 6.178,10 | 6.408,90 | 6.787,90 | 8.101,90 | 8.448,60 | |
| HCX 125 T6 (A7:4) | | | | | 6.614,20 | 6.845,00 | 7.224,00 | 8.538,00 | 8.884,70 | 10.610,60 |
| HCX 125 T6 (A7:8) | | | | | 7.044,10 | 7.274,90 | 7.653,90 | 8.967,90 | 9.314,60 | 11.040,50 |

# HMX



ATEX LONG CASED AXIAL

**MANUFACTURING FEATURES**

- Reinforced fan casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of polyester resin.
- Cast aluminium impeller with variable pitch angle.
- Standard asynchronous motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

**APPLICATIONS**

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50ºC).
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

**UNDER REQUEST**

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- ATEX classification for other areas.

HELICOIDAL TUBULAR ATEX

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Ventilador con envolvente tubular reforzada fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Hélice en fundición de aluminio de ángulo variable en paro y en origen.
- Motor asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

**APLICACIONES**

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50ºC).
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

**BAJO DEMANDA**

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Clasificación ATEX para otras zonas.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RP** pg.455
Protection guard.
Rejilla de protección.



**SIL-C** pg.505
Circular silencer.
Silenciador circular.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**PO** pg.473
Long cased axial fans mounting support.
Pie soporte para ventiladores tubulares.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

# HMX | ZONE / ZONA 1

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 35 T4 (A0:6) | **860,80** | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | **921,60** | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | **1.001,30** | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | **1.188,00** | **1.225,30** | **1.362,50** | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | **1.201,70** | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | **1.351,10** | **1.388,40** | **1.525,60** | **1.813,50** | | | | | | | | | |
| HMX 56 T4 (A5:6) | | **1.531,30** | **1.668,50** | **1.956,40** | **2.013,90** | **2.157,80** | **2.581,30** | | | | | | |
| HMX 63 T4 (A5:6) | | | **1.793,80** | **2.081,70** | **2.139,20** | **2.283,10** | **2.706,60** | **2.818,40** | | | | | |
| HMX 71 T4 (A5:6) | | | | **2.251,60** | **2.309,10** | **2.453,00** | **2.876,50** | **2.988,30** | **3.389,70** | | | | |
| HMX 80 T4 (A5:6) | | | | | **2.473,80** | **2.617,70** | **3.041,20** | **3.153,00** | **3.554,40** | | | | |
| HMX 90 T4 (A6:3) | | | | | | | | **4.282,40** | **4.683,80** | **5.496,70** | **5.661,00** | **7.313,90** | **8.115,00** |
| HMX 90 T4 (A6:6) | | | | | | | | **4.605,00** | **5.006,40** | **5.819,30** | **5.983,60** | **7.636,50** | **8.437,60** |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HMX 100 T4 (A6:3) | **5.628,50** | **5.792,80** | **7.445,70** | **8.246,80** | **9.323,90** | **10.052,20** | | | |
| HMX 100 T4 (A6:6) | **5.950,90** | **6.115,20** | **7.768,10** | **8.569,20** | **9.646,30** | **10.374,60** | | | |
| HMX 112 T4 (A6:3) | **7.359,10** | **7.523,40** | **9.176,30** | **9.977,40** | **11.054,50** | **11.782,80** | **13.937,00** | **16.431,80** | |
| HMX 112 T4 (A6:6) | **7.681,60** | **7.845,90** | **9.498,80** | **10.299,90** | **11.377,00** | **12.105,30** | **14.259,50** | **16.754,30** | |
| HMX 125 T4 (A7:4) | | **8.322,20** | **9.975,10** | **10.776,20** | **11.853,30** | **12.581,60** | **14.735,80** | **17.230,60** | **18.580,30** |
| HMX 125 T4 (A7:8) | | | **10.405,10** | **11.206,20** | **12.283,30** | **13.011,60** | **15.165,80** | **17.660,60** | **19.010,30** |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 40 T6 (A0:6) | **991,10** | | | | | | | | | | | | |
| HMX 45 T6 (A0:6) | **1.070,80** | | | | | | | | | | | | |
| HMX 45 T6 (A5:6) | **1.257,50** | | | | | | | | | | | | |
| HMX 50 T6 (A0:6) | **1.233,90** | | | | | | | | | | | | |
| HMX 50 T6 (A5:6) | **1.420,60** | | | | | | | | | | | | |
| HMX 56 T6 (A5:6) | **1.563,50** | **1.695,50** | **1.775,20** | | | | | | | | | | |
| HMX 63 T6 (A5:6) | | **1.820,80** | **1.900,50** | **2.278,10** | | | | | | | | | |
| HMX 71 T6 (A5:6) | | **1.990,70** | **2.070,40** | **2.448,00** | **2.647,80** | | | | | | | | |
| HMX 80 T6 (A5:6) | | | | **2.612,70** | **2.812,50** | **2.953,20** | **3.383,30** | | | | | | |
| HMX 90 T6 (A6:3) | | | | | | **4.082,60** | **4.512,70** | **5.169,80** | **5.515,30** | | | | |
| HMX 90 T6 (A6:6) | | | | | | **4.405,20** | **4.835,30** | **5.492,40** | **5.837,90** | | | | |
| HMX 100 T6 (A6:3) | | | | | | | | **5.301,60** | **5.647,10** | **6.192,50** | **7.369,60** | | |
| HMX 100 T6 (A6:6) | | | | | | | | **5.624,00** | **5.969,50** | **6.514,90** | **7.692,00** | | |
| HMX 112 T6 (A6:3) | | | | | | | | **7.032,20** | **7.377,70** | **7.923,10** | **9.100,20** | **10.074,00** | |
| HMX 112 T6 (A6:6) | | | | | | | | **7.354,70** | **7.700,20** | **8.245,60** | **9.422,70** | **10.396,50** | |
| HMX 125 T6 (A7:4) | | | | | | | | **7.831,00** | **8.176,50** | **8.721,90** | **9.899,00** | **10.872,80** | **12.554,50** |
| HMX 125 T6 (A7:8) | | | | | | | | **8.261,00** | **8.606,50** | **9.151,90** | **10.329,00** | **11.302,80** | **12.984,50** |

# HMX | ZONE / ZONA 2

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 35 T4 (A0:6) | 823,60 | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | 884,40 | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | 964,10 | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | 1.150,80 | 1.174,40 | 1.276,40 | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | 1.150,80 | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | 1.313,90 | 1.337,50 | 1.439,50 | 1.541,50 | | | | | | | | | |
| HMX 56 T4 (A5:6) | | 1.480,40 | 1.582,40 | 1.684,40 | 1.841,30 | 1.935,50 | 2.186,60 | | | | | | |
| HMX 63 T4 (A5:6) | | | 1.707,70 | 1.809,70 | 1.966,60 | 2.060,80 | 2.311,90 | 2.413,90 | | | | | |
| HMX 71 T4 (A5:6) | | | | 1.979,60 | 2.136,50 | 2.230,70 | 2.481,80 | 2.583,80 | 2.850,60 | | | | |
| HMX 80 T4 (A5:6) | | | | | 2.301,20 | 2.395,40 | 2.646,50 | 2.748,50 | 3.015,30 | | | | |
| HMX 90 T4 (A6:3) | | | | | | | | 3.877,90 | 4.144,70 | | 4.882,20 | 6.174,30 | 6.519,50 |
| HMX 90 T4 (A6:6) | | | | | | | | 4.200,50 | 4.467,30 | 4.922,40 | 5.204,80 | 6.496,90 | 6.842,10 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HMX 100 T4 (A6:3) | 4.731,60 | 5.014,00 | 6.306,10 | 6.651,30 | 7.822,30 | 8.392,70 | | | |
| HMX 100 T4 (A6:6) | 5.054,00 | 5.336,40 | 6.628,50 | 6.973,70 | 8.144,70 | 8.715,10 | | | |
| HMX 112 T4 (A6:3) | 6.462,20 | 6.744,60 | 8.036,70 | 8.381,90 | 9.552,90 | 10.123,30 | 12.194,80 | 13.658,40 | |
| HMX 112 T4 (A6:6) | 6.784,70 | 7.067,10 | 8.359,20 | 8.704,40 | 9.875,40 | 10.445,80 | 12.517,30 | 13.980,90 | |
| HMX 125 T4 (A7:4) | | 7.543,40 | 8.835,50 | 9.180,70 | 10.351,70 | 10.922,10 | 12.993,60 | 14.457,20 | 15.155,30 |
| HMX 125 T4 (A7:8) | | | 9.265,50 | 9.610,70 | 10.781,70 | 11.352,10 | 13.423,60 | 14.887,20 | 15.585,30 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 63 T6 (A5:6) | 1.974,50 | | | | | | | | | |
| HMX 71 T6 (A5:6) | 2.144,40 | 2.277,70 | | | | | | | | |
| HMX 80 T6 (A5:6) | 2.309,10 | 2.442,40 | 2.599,40 | 2.928,90 | | | | | | |
| HMX 90 T6 (A6:3) | | | 3.728,80 | 4.058,30 | 4.372,30 | 4.591,90 | | | | |
| HMX 90 T6 (A6:6) | | | 4.051,40 | 4.380,90 | 4.694,90 | 4.914,50 | | | | |
| HMX 100 T6 (A6:3) | | | | | 4.504,10 | 4.723,70 | 5.084,70 | 6.336,10 | | |
| HMX 100 T6 (A6:6) | | | | | 4.826,50 | 5.046,10 | 5.407,10 | 6.658,50 | | |
| HMX 112 T6 (A6:3) | | | | | 6.234,70 | 6.454,30 | 6.815,30 | 8.066,70 | 8.397,00 | |
| HMX 112 T6 (A6:6) | | | | | 6.557,20 | 6.776,80 | 7.137,80 | 8.389,20 | 8.719,50 | |
| HMX 125 T6 (A7:4) | | | | | 7.033,50 | 7.253,10 | 7.614,10 | 8.865,50 | 9.195,80 | 10.839,50 |
| HMX 125 T6 (A7:8) | | | | | 7.463,50 | 7.683,10 | 8.044,10 | 9.295,50 | 9.625,80 | 11.269,50 |

# HMX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 35 T4 (A0:6) | 860,80 | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | 921,60 | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | 1.001,30 | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | 1.188,00 | 1.225,30 | 1.362,50 | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | 1.201,70 | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | 1.351,10 | 1.388,40 | 1.525,60 | 1.625,50 | | | | | | | | | |
| HMX 56 T4 (A5:6) | | 1.531,30 | 1.668,50 | 1.768,40 | 1.929,10 | 2.023,90 | 2.378,00 | | | | | | |
| HMX 63 T4 (A5:6) | | | 1.793,80 | 1.893,70 | 2.054,40 | 2.149,20 | 2.503,30 | 2.598,10 | | | | | |
| HMX 71 T4 (A5:6) | | | | 2.063,60 | 2.224,30 | 2.319,10 | 2.673,20 | 2.768,00 | 3.188,10 | | | | |
| HMX 80 T4 (A5:6) | | | | | 2.389,00 | 2.483,80 | 2.837,90 | 2.932,70 | 3.352,80 | | | | |
| HMX 90 T4 (A6:3) | | | | | | | | 4.062,10 | 4.482,20 | 5.496,70 | 5.661,00 | 7.313,90 | 8.115,00 |
| HMX 90 T4 (A6:6) | | | | | | | | 4.384,70 | 4.804,80 | 5.819,30 | 5.983,60 | 7.636,50 | 8.437,60 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HMX 100 T4 (A6:3) | 5.628,50 | 5.792,80 | 7.445,70 | 8.246,80 | 9.323,90 | 10.052,20 | | | |
| HMX 100 T4 (A6:6) | 5.950,90 | 6.115,20 | 7.768,10 | 8.569,20 | 9.646,30 | 10.374,60 | | | |
| HMX 112 T4 (A6:3) | 7.359,10 | 7.523,40 | 9.176,30 | 9.977,40 | 11.054,50 | 11.782,80 | 13.937,00 | 16.431,80 | |
| HMX 112 T4 (A6:6) | 7.681,60 | 7.845,90 | 9.498,80 | 10.299,90 | 11.377,00 | 12.105,30 | 14.259,50 | 16.754,30 | |
| HMX 125 T4 (A7:4) | | 8.322,20 | 9.975,10 | 10.776,20 | 11.853,30 | 12.581,60 | 14.735,80 | 17.230,60 | 18.580,30 |
| HMX 125 T4 (A7:8) | | | 10.405,10 | 11.206,20 | 12.283,30 | 13.011,60 | 15.165,80 | 17.660,60 | 19.010,30 |

# HMX | ZONE / ZONA 22 (CONDUCTIVE DUST/POLVO CONDUCTIVO)

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 63 T6 (A5:6) | 2.161,50 | | | | | | | | | |
| HMX 71 T6 (A5:6) | 2.331,40 | 2.475,50 | | | | | | | | |
| HMX 80 T6 (A5:6) | 2.496,10 | 2.640,20 | 3.311,60 | 3.476,40 | | | | | | |
| HMX 90 T6 (A6:3) | | | 4.441,00 | 4.605,80 | 5.169,80 | 5.515,30 | | | | |
| HMX 90 T6 (A6:6) | | | 4.763,60 | 4.928,40 | 5.492,40 | 5.837,90 | | | | |
| HMX 100 T6 (A6:3) | | | | | 5.301,60 | 5.647,10 | 6.192,50 | 7.369,60 | | |
| HMX 100 T6 (A6:6) | | | | | 5.624,00 | 5.969,50 | 6.514,90 | 7.692,00 | | |
| HMX 112 T6 (A6:3) | | | | | 7.032,20 | 7.377,70 | 7.923,10 | 9.100,20 | 10.074,00 | |
| HMX 112 T6 (A6:6) | | | | | 7.354,70 | 7.700,20 | 8.245,60 | 9.422,70 | 10.396,50 | |
| HMX 125 T6 (A7:4) | | | | | 7.831,00 | 8.176,50 | 8.721,90 | 9.899,00 | 10.872,80 | 12.554,50 |
| HMX 125 T6 (A7:8) | | | | | 8.261,00 | 8.606,50 | 9.151,90 | 10.329,00 | 11.302,80 | 12.984,50 |

# HMX | ZONE / ZONA 22 (NON CONDUCTIVE DUST/POLVO NO CONDUCTIVO)

## THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 35 T4 (A0:6) | 842,80 | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | 903,60 | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | 983,30 | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | 1.170,00 | 1.194,80 | 1.301,90 | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | 1.171,20 | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | 1.333,10 | 1.357,90 | 1.465,00 | 1.572,10 | | | | | | | | | |
| HMX 56 T4 (A5:6) | | 1.500,80 | 1.607,90 | 1.715,00 | 1.879,80 | 1.978,60 | 2.242,30 | | | | | | |
| HMX 63 T4 (A5:6) | | | 1.733,20 | 1.840,30 | 2.005,10 | 2.103,90 | 2.367,60 | 2.474,70 | | | | | |
| HMX 71 T4 (A5:6) | | | | 2.010,20 | 2.175,00 | 2.273,80 | 2.537,50 | 2.644,60 | 2.924,80 | | | | |
| HMX 80 T4 (A5:6) | | | | | 2.339,70 | 2.438,50 | 2.702,20 | 2.809,30 | 3.089,50 | | | | |
| HMX 90 T4 (A6:3) | | | | | | | | 3.938,70 | 4.218,90 | 4.696,70 | 4.993,30 | 6.349,90 | 6.712,40 |
| HMX 90 T4 (A6:6) | | | | | | | | 4.261,30 | 4.541,50 | 5.019,30 | 5.315,90 | 6.672,50 | 7.035,00 |

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HMX 100 T4 (A6:3) | 4.828,50 | 5.125,10 | 6.481,70 | 6.844,20 | 8.073,70 | 8.672,70 | | | |
| HMX 100 T4 (A6:6) | 5.150,90 | 5.447,50 | 6.804,10 | 7.166,60 | 8.396,10 | 8.995,10 | | | |
| HMX 112 T4 (A6:3) | 6.559,10 | 6.855,70 | 8.212,30 | 8.574,80 | 9.804,30 | 10.403,30 | 12.578,40 | 14.115,20 | |
| HMX 112 T4 (A6:6) | 6.881,60 | 7.178,20 | 8.534,80 | 8.897,30 | 10.126,80 | 10.725,80 | 12.900,90 | 14.437,70 | |
| HMX 125 T4 (A7:4) | | 7.654,50 | 9.011,10 | 9.373,60 | 10.603,10 | 11.202,10 | 13.377,20 | 14.914,00 | 15.646,90 |
| HMX 125 T4 (A7:8) | | | 9.441,10 | 9.803,60 | 11.033,10 | 11.632,10 | 13.807,20 | 15.344,00 | 16.076,90 |

## THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo \| Modelo | Power \| Potencia (kW) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 63 T6 (A5:6) | 2.013,30 | | | | | | | | | |
| HMX 71 T6 (A5:6) | 2.183,20 | 2.323,30 | | | | | | | | |
| HMX 80 T6 (A5:6) | 2.347,90 | 2.488,00 | 2.652,80 | 2.998,80 | | | | | | |
| HMX 90 T6 (A6:3) | | | 3.782,20 | 4.128,20 | 4.457,70 | 4.688,50 | | | | |
| HMX 90 T6 (A6:6) | | | 4.104,80 | 4.450,80 | 4.780,30 | 5.011,10 | | | | |
| HMX 100 T6 (A6:3) | | | | | 4.589,50 | 4.820,30 | 5.199,30 | 6.513,30 | | |
| HMX 100 T6 (A6:6) | | | | | 4.911,90 | 5.142,70 | 5.521,70 | 6.835,70 | | |
| HMX 112 T6 (A6:3) | | | | | 6.320,10 | 6.550,90 | 6.929,90 | 8.243,90 | 8.590,60 | |
| HMX 112 T6 (A6:6) | | | | | 6.642,60 | 6.873,40 | 7.252,40 | 8.566,40 | 8.913,10 | |
| HMX 125 T6 (A7:4) | | | | | 7.118,90 | 7.349,70 | 7.728,70 | 9.042,70 | 9.389,40 | 11.115,30 |
| HMX 125 T6 (A7:8) | | | | | 7.548,90 | 7.779,70 | 8.158,70 | 9.472,70 | 9.819,40 | 11.545,30 |

# MAX



ErP Exempt | 60 +info Hz | Ex

## ATEX CENTRIFUGAL MEDIUM PRESSURE

### MANUFACTURING FEATURES
- Rolling steel sheet housing.
- Cast aluminium impeller.
- Protected against corrosion by powder coating of polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz in three phase motors.
- Default assembly orientation is LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST
- Orientations: LG0, LG45, LG90, LG135, LG180, LG315.
- ATEX motor for different categories.

## CENTRÍFUGO MEDIA PRESIÓN ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en fundición de aluminio.
- Turbina fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono normalizado, con protección IP-55. Certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230V 50Hz para monofásicos y 230/400V 50Hz para trifásicos.
- La orientación de montaje por defecto es LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA
- Orientaciones: LG0, LG45, LG90, LG135, LG180, LG315.
- Motor ATEX para diferentes categorías.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RA** pg.459
Inlet protection guard..
Rejilla de protección para la embocadura de aspiración.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RBS** pg.459
Outlet protection guard.
Rejilla boca de salida.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | | | | | | Zone 1* / Zona 1* |
| 253300104XD | MAX 26 M2 0,37kW | 2800 | 2,61 | 0,37 | 750 | 64 | 13 | **880,40** |

* ZONE 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T4 Gb)
* ZONA 1: VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T4 Gb)

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 |
|---|---|
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Zone 1 | Zone 2 |
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € | |
| | | | | | | | | Zona 1 | Zona 2 |
| 300951500XY | MAX 26 T2 0,37kW | 2850 | 1 | 0,37 | 750 | 64 | 13 | **1.122,10** | **952,40** |
| 300318200XY | MAX 27 T2 0,55kW | 2840 | 1,45 | 0,55 | 860 | 66 | 14 | **1.281,90** | **1.115,70** |
| 300840800XY | MAX 28 T2 1,1kW | 2830 | 2,6 | 1,1 | 1.450 | 69 | 20 | **1.587,10** | **1.361,10** |
| 300886500XY | MAX 31 T2 1,5kW | 2850 | 395 | 1,5 | 1.900 | 71 | 28 | **2.007,50** | **1.663,20** |
| 253430106XY | MAX 31 T2 2,2kW | 2840 | 5,4 | 2,2 | 2.170 | 72 | 30 | **2.033,00** | **1.702,20** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2 /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2.




Brochure

Folleto

# MBX



ErP Exempt | 60 +info Hz | Ex

## ATEX CENTRIFUGAL MEDIUM PRESSURE

### MANUFACTURING FEATURES
- Rolling steel sheet housing.
- Completely joined or welded housing.
- Single inlet forward curved impeller made of aluminium sheet.
- Protected against corrosion by powder coating of polyester resin.
- Inlet sparkproof ring made of copper or aluminium.
- Standard asynchronous squirrel-cage motor with IP-55 ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230V 50Hz in single phase motors, 230/400V in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Standard orientation: LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Suitable for transporting totally clean air without dust.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST
- ATEX motor executions.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## CENTRÍFUGO MEDIA PRESIÓN ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada o engatillada.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Aro de aspiración antichispas en cobre o aluminio.
- Motor asíncrono normalizado de jaula de ardilla con rodamientos a bolas, con protección IP-55 y certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230V para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar: LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de aire totalmente limpio y sin polvo.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA
- Motor ATEX para diferentes categorías.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RBS** pg.459
Outlet protection guard.
Rejilla de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**SIL-C** pg.505
Circular silencer.
Silenciador circular.



**EI** pg.480
Connection to be fitted in the centrifugal fans outlet.
Brida de conexión para boca de impulsión rectangular de ventiladores centrífugos.



**AC** pg.479
Connexion flange.
Brida de connexión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € Zone 1* |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Zona 1* |
| 253100103XD | MBX 14/5 M2 0,25kW | 2800 | 1,87 | 0,25 | 840 | 58 | 7 | **1.516,70** |
| 253110103XD | MBX 16/6 M2 0,37kW | 2800 | 2,61 | 0,37 | 1.080 | 61 | 9,5 | **1.614,80** |
| 253170103XD | MBX 18/7 M2 0,75kW | 2800 | 4,93 | 0,75 | 1.470 | 63 | 15 | **2.124,70** |
| 253240103XD | MBX 20/6 M2 0,37kW | 2800 | 2,61 | 0,37 | 785 | 61 | 14 | **1.977,30** |
| 253190103XD | MBX 20/8 M2 1,1kW | 2820 | 7,45 | 1,1 | 1.960 | 66 | 19 | **2.326,10** |

* ZONE 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T4 Gb)
* ZONA 1: VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T4 Gb)

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 253100106XN | MBX 14/5 T2 0,25kW | 2750 | 0,74 | 0,25 | 840 | 58 | 7 |
| 253110106XN | MBX 16/6 T2 0,37kW | 2850 | 1,00 | 0,37 | 1.080 | 60 | 9,50 |
| 253170106XN | MBX 18/7 T2 0,75kW | 2870 | 2,00 | 0,75 | 1.470 | 63 | 15 |
| 253240106XN | MBX 20/6 T2 0,37kW | 2850 | 1,00 | 0,37 | 785 | 61 | 14 |
| 253190106XN | MBX 20/8 T2 1,1kW | 2830 | 2,6 | 1,10 | 1.960 | 65 | 19 |
| 253210120XN | MBX 22/9 T2 1,1kW | 2830 | 2,6 | 1,10 | 1.480 | 55 | 24 |
| 253200106XN | MBX 22/9 T2 2,2kW | 2840 | 5,4 | 2,20 | 2.890 | 65 | 30 |
| 253280106XN | MBX 25/10 T2 2,2kW | 2840 | 5,4 | 2,20 | 2.540 | 62 | 32 |
| 253290106XN | MBX 25/10 T2 3kW | 2900 | 7,3 | 3,00 | 3.360 | 66 | 38 |
| 253360106XN | MBX 28/11 T2 4kW | 2910 | 9,2 | 4,00 | 3.800 | 70 | 46 |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 253080106XN | MBX 12/5 T4 0,09kW | 1450 | 0,57 | 0,33 | 0,09 | 250 | 46 |
| 253090106XE | MBX 14/5 T4 0,09kW | 1450 | 0,57 | 0,33 | 0,09 | 414 | 46 |
| 253150106XE | MBX 16/6 T4 0,09kW | 1450 | 0,57 | 0,33 | 0,09 | 600 | 53 |
| 253260106XN | MBX 22/9 T4 0,37kW | 1410 | 1,2 | 0,37 | 1.830 | 59 | 21 |
| 253320106XN | MBX 25/10 T4 0,75kW | 1410 | 2,1 | 0,75 | 2.830 | 59 | 26 |
| 253410106XN | MBX 28/11 T4 1,1kW | 1420 | 3,3 | 1,10 | 3.580 | 65 | 32 |
| 253420106XN | MBX 31/12 T4 2,2kW | 1440 | 5,8 | 2,20 | 5.400 | 63 | 54 |
| 253480106XN | MBX 35/14 T4 3kW | 1420 | 6,8 | 3,00 | 5.870 | 65 | 63 |
| 253490106XN | MBX 35/14 T4 4kW | 1450 | 9,1 | 4,00 | 8.020 | 64 | 69 |
| 253510121XN | MBX 40/16 T4 5,5kW | 1455 | 11,5 | 5,50 | 8.340 | 68 | 101 |
| 253510106XN | MBX 40/16 T4 7,5kW | 1448 | 15,6 | 7,50 | 10.570 | 72 | 110 |
| 253530120XN | MBX 45/18 T4 7,5kW | 1448 | 15,6 | 7,50 | 9.160 | 75 | 119 |
| 253530121XN | MBX 45/18 T4 11kW | 1460 | 20,9 | 11,00 | 12.500 | 76 | 190 |

### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 253500106XN | MBX 35/14 T6 1,1kW | 940 | 4,00 | 1,50 | 5.200 | 58 | 53 |
| 253520106XN | MBX 40/16 T6 1,5kW | 940 | 4,00 | 1,50 | 5.650 | 59 | 94 |
| 253540106XN | MBX 40/16 T6 2,2kW | 930 | 5,2 | 2,20 | 7.530 | 59 | 94 |
| 253560106XN | MBX 45/18 T6 2,2kW | 930 | 5,2 | 2,20 | 6.060 | 64 | 112 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.R.P € | |
|---|---|---|---|
| | | ZONE 1 | ZONE 2 |
| Código | Modelo | P.V.P € | |
| | | ZONA 1 | ZONA 2 |
| 253100106XY | MBX 14/5 T2 0,25kW | **654,90** | **535,90** |
| 253110106XY | MBX 16/6 T2 0,37kW | **741,00** | **571,10** |
| 253170106XY | MBX 18/7 T2 0,75kW | **1.048,90** | **845,70** |
| 253240106XY | MBX 20/6 T2 0,37kW | **1.070,50** | **901,20** |
| 253190106XY | MBX 20/8 T2 1,1kW | **1.168,30** | **942,30** |
| 253210120XY | MBX 22/9 T2 1,1kW | **1.430,30** | **1.204,40** |
| 253200106XY | MBX 22/9 T2 2,2kW | **1.576,00** | **1.245,20** |
| 253280106XY | MBX 25/10 T2 2,2kW | **1.654,00** | **1.323,20** |
| 253290106XY | MBX 25/10 T2 3kW | **1.844,60** | **1.584,00** |
| 253360106XY | MBX 28/11 T2 4kW | **2.680,80** | **2.031,30** |

### 4 pole | 4 polos

| Code | Model | R.R.P € | | | |
|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST |
| Código | Modelo | P.V.P € | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO |
| 253080106XN | MBX 12/5 T4 0,09kW | **640,30** | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** |
| 253090106XE | MBX 14/5 T4 0,09kW | **664,80** | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** |
| 253150106XE | MBX 16/6 T4 0,09kW | **683,80** | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** |
| 253260106XY | MBX 22/9 T4 0,37kW | **1.149,60** | **1.025,70** | *** NA/ ND** | *** NA/ ND** |
| 253320106XY | MBX 25/10 T4 0,75kW | **1.523,80** | **1.444,10** | *** NA/ ND** | *** NA/ ND** |
| 253410106XY | MBX 28/11 T4 1,1kW | **1.792,00** | **1.647,10** | *** NA/ ND** | *** NA/ ND** |
| 253420106XY | MBX 31/12 T4 2,2kW | **2.512,90** | **2.290,30** | **2.704,50** | **2.568,60** |
| 253480106XY | MBX 35/14 T4 3kW | **2.650,60** | **2.434,60** | **3.557,90** | **3.434,50** |
| 253490106XY | MBX 35/14 T4 4kW | **3.128,70** | **2.874,80** | **4.189,60** | **3.926,30** |
| 253510121XY | MBX 40/16 T4 5,5kW | **4.142,90** | **3.561,30** | **4.921,50** | **4.121,50** |
| 253510106XY | MBX 40/16 T4 7,5kW | **4.263,00** | **3.715,50** | **5.351,30** | **4.683,60** |
| 253530120XY | MBX 45/18 T4 7,5kW | **4.624,20** | **4.076,60** | **5.712,50** | **5.044,80** |
| 253530121XY | MBX 45/18 T4 11kW | **5.477,60** | **4.921,70** | **6.339,50** | **5.375,50** |

### 6 pole | 6 polos

| Code | Model | R.R.P € | | | |
|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST |
| Código | Modelo | P.V.P € | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO |
| 253500106XY | MBX 35/14 T6 1,1kW | **2.452,70** | **2.352,10** | **2.972,10** | **2.826,40** |
| 253500106XY | MBX 35/14 T6 1,1kW | **2.563,10** | **2.457,90** | **3.105,80** | **2.953,60** |
| 253520106XY | MBX 40/16 T6 1,5kW | **3.495,90** | **3.050,80** | **3.937,90** | **3.279,00** |
| 253540106XY | MBX 40/16 T6 2,2kW | **3.588,90** | **3.350,50** | **4.207,30** | **3.729,70** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI. /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándaar debe indicar XI.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# MDI ATEX



MEDIUM PRESSURE ATEX FAN WITH FORWARD IMPELLER AND IN STAINLESS STEEL CONSTRUCTION

### MANUFACTURING FEATURES

- Welded stainless steel AISI 304 housing.
- Stainless steel simple inlet forward curved impeller.
- Atex standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean air transport.
- Corrosive air transport.
- General ventilation in closed environments classified as ATEX zone 2.
- Maximum working temperature: carried air: 130ºC, ambient: 1ph 50ºC, 3ph 60ºC.

### UNDER REQUEST

- 60Hz fans and special voltages.
- Stainless steel motor support.

In compliance with the ATEX Directive 2014/34/UE. Certified ATEX II3G with certified ATEX motor for areas 2 (gas)

VENTILADOR DE ACERO INOXIDABLE CON TURBINA A ACCIÓN ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa engatillada fabricada en acero inoxidable AISI 304.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en acero inoxidable.
- Motor ATEX asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.
- Posiciones disponibles (a indicar en caso de pedido): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- Los códigos indicados corresponden al modelo en posición LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Transporte de aire con componentes corrosivos.
- Ventilación en locales clasificados ATEX zona 2
- Temperatura máxima de trabajo en continuo: aire transportado: 130ºC, ambiente: monofásico 50ºC, trifásico 60ºC.

### BAJO DEMANDA

- Ventiladores para trabajar a 60Hz y voltajes especiales.
- Pie soporte en acero inoxidable.

En cumplimiento con la Directiva ATEX 2014/34/UE. Construcción ATEX II3G. Para zona 2 (gas).

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RAI** pg.459
Inlet protecton guard manufactured in stainess steel.
Rejilla aspiración inox.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | Zone 2* |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | Zona 2* |
| 300717600XD | MDI 10/5 T2 0,12kW ATEX | 2800 | 0,64 | 0,36 | 0,12 | 360 | 26 | 2,40 | **1.428,80** |
| 300717800XD | MDI 13/6 T2 0,18kW ATEX | 2800 | 0,87 | 0,51 | 0,18 | 600 | 37 | 5,30 | **1.593,30** |
| 300718100XD | MDI 13/8 T2 0,25kW ATEX | 2800 | 1,12 | 0,65 | 0,25 | 660 | 38 | 9,40 | **1.659,10** |
| 300718200XD | MDI 16/8 T2 0,37kW ATEX | 2800 | 1,58 | 0,91 | 0,37 | 1.200 | 43 | 6,20 | **1.833,00** |
| 300718400XD | MDI 18/8 T2 0,55kW ATEX | 2800 | 2,23 | 1,29 | 0,55 | 1.380 | 50 | 10,20 | **1.908,20** |
| 300718600XD | MDI 20/10 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 1,10 | 2.160 | 52 | 19 | **2.251,30** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A)** | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | Zone 2* |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A)** | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | Zona 2* |
| 300717900XD | MDI 13/6 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 420 | 22 | 4,90 | **1.583,90** |
| 300718000XD | MDI 13/8 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 480 | 26 | 5,80 | **1.630,90** |
| 300718300XD | MDI 16/8 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 660 | 30 | 9 | **1.771,90** |
| 300718500XD | MDI 18/8 T4 0,25kW ATEX | 1400 | 1,38 | 0,79 | 0,25 | 960 | 31 | 9,70 | **1.823,60** |
| 300718700XD | MDI 20/10 T4 0,25kW ATEX | 1400 | 1,38 | 0,79 | 0,25 | 1.200 | 32 | 11 | **2.025,70** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source.
** Nivel de presión sonora total en el punto de caudal máximo medido en dB(A) en la aspiración, medido en campo libre a una distancia de 6m de la fuente.

# MBPX



ErP Exempt | 60 +info Hz | Ex

## PLASTIC ATEX FAN WITH BACKWARD IMPELLER

### MANUFACTURING FEATURES
- Antistatic PE-el antistatic housing.
- Backward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz. Equipped with ATEX motor.
- Standard orientation: LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- General ventilation in closed environments classified as ATEX zone 2.
- Maximum temperature of the air transported: if it is clean air at 70ºC, others will depend on the gas (see the table in the documentation).

### UNDER REQUEST
- 60Hz fans and special voltages fans.
- Stainless steel motor support.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*In compliance with the ATEX Directive 2014/34/UE. Certified ATEX II3G with certified ATEX motor for areas 2 (gas)*

## VENTILADOR DE PLÁSTICO ATEX CON TURBINA A REACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en PE-el antiestático.
- Turbina a reacción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina de poliéster.
- Tornillería en acero inoxidable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz. Equipado con motor ATEX.
- Orientación estándar: LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Ventilación en locales clasificados ATEX zona 2.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación)

### BAJO DEMANDA
- Ventiladores para trabajar a 60Hz y voltajes especiales.
- Pie soporte en acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*En cumplimiento con la Directiva ATEX 2014/34/UE. Construcción ATEX II3G. Para zona 2 (gas)*

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**SIL-C** pg.505
Circular silencer.
Silenciador circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| 502202013XD | MBPX 20 T2 0,18kW | 2825 | 0,62 | 0,18 | 1.110 | 64 | 17 | **2.482,70** |
| 502202214XD | MBPX 22 T2 0,25kW | 2710 | 0,71 | 0,25 | 1.520 | 68 | 24 | **3.200,20** |
| 502202515XD | MBPX 25 T2 0,37kW | 2850 | 1,00 | 0,37 | 2.110 | 71 | 24 | **3.325,50** |
| 502202817XD | MBPX 28 T2 0,75kW | 2870 | 2,00 | 0,75 | 3.140 | 76 | 33 | **3.465,60** |
| 502203119XD | MBPX 31 T2 1,5kW | 2850 | 3,95 | 1,50 | 4.360 | 76 | 45 | **4.946,90** |
| 502203527XD | MBPX 35 T2 2,2kW | 2840 | 5,4 | 2,20 | 6.630 | 80 | 51 | **5.683,30** |
| 502204534XD | MBPX 45 T2 5,5kW | 2910 | 9,2 | 4,00 | 11.770 | 76 | 72 | **13.051,40** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| 502202039XD | MBPX 20 T4 0,12kW | 1420 | 0,71 | 0,12 | 580 | 50 | 17 | **2.407,70** |
| 502202239XD | MBPX 22 T4 0,12kW | 1400 | 0,79 | 0,25 | 770 | 53 | 18 | **3.168,90** |
| 502202539XD | MBPX 25 T4 0,12kW | 1420 | 0,71 | 0,12 | 1.100 | 57 | 18 | **2.806,80** |
| 502202840XD | MBPX 28 T4 0,18kW | 1380 | 0,76 | 0,18 | 1.570 | 59 | 23 | **3.398,70** |
| 502203141XD | MBPX 31 T4 0,25kW | 1400 | 0,84 | 0,25 | 2.170 | 59 | 30 | **3.490,00** |
| 502203542XD | MBPX 35 T4 0,37kW | 1410 | 1,2 | 0,37 | 3.310 | 64 | 34 | **3.999,70** |
| 502204043XD | MBPX 40 T4 0,55kW | 1430 | 1,75 | 0,55 | 4.510 | 68 | 47 | **5.250,40** |
| 502204545XD | MBPX 45 T4 1,1kW | 1420 | 3,3 | 1,10 | 6.410 | 68 | 61 | **6.384,70** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)



CV.28.02.25

## 4 pole | 4 polos

| Code / Código | Model / Modelo | R.P.M. / R.P.M. | Rated I (A) 400V / I nom. (A) 400V | Rat. Power kW / P. Nom. kW | Air flow m³/h / Q máx. m³/h | Sound dB (A) / Sonido dB (A) | Weight Kg / Peso Kg | R.R.P € / P.V.P € ZONE 2 * / ZONA 2 * |
|---|---|---|---|---|---|---|---|---|
| 502203168XD | MBPX 31 T6 0,18kW | 900 | 0,61 | 0,18 | 1.410 | 50 | 30 | **3.516,20** |
| 502203568XD | MBPX 35 T6 0,18kW | 900 | 0,61 | 0,18 | 2.140 | 54 | 34 | **3.851,50** |
| 502204069XD | MBPX 40 T6 0,25kW | 910 | 1,00 | 0,25 | 2.920 | 58 | 41 | **5.143,30** |
| 502204570XD | MBPX 45 T6 0,37kW | 940 | 1,4 | 0,37 | 3.930 | 54 | 51 | **5.830,10** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

## ACCESSORIES FOR MBPX | ACCESORIOS PARA MBPX



### FJ
Flexible joint
Junta flexible

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FJ-160 | FJ Ø160 | MBP-MBPX 20 | **59,50** |
| FJ-200 | FJ Ø200 | MBP-MBPX 22, 25 | **69,60** |
| FJ-225 | FJ Ø225 | MBP-MBPX 28 | **74,50** |
| FJ-250 | FJ Ø250 | MBP-MBPX 31 | **84,10** |
| FJ-280 | FJ Ø280 | MBP-MBPX 35 | **89,30** |
| FJ-315 | FJ Ø315 | MBP-MBPX 40 | **99,20** |
| FJ-355 | FJ Ø355 | MBP-MBPX 45 | **114,20** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| CSC160 | CSC Ø160 | MBP-MBPX 20 | **247,90** |
| CSC200 | CSC Ø200 | MBP-MBPX 22, 25 | **307,40** |
| CSC225 | CSC Ø225 | MBP-MBPX 28 | **357,00** |
| CSC250 | CSC Ø250 | MBP-MBPX 31 | **396,70** |
| CSC280 | CSC Ø280 | MBP-MBPX 35 | **426,40** |
| CSC315 | CSC Ø315 | MBP-MBPX 40 | **451,20** |
| CSC355 | CSC Ø355 | MBP-MBPX 45 | **500,70** |



### PC
Housing protection
Protección de carcasa

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| PC20 | PC 20 | MBP-MBPX 20 | **84,10** |
| PC25 | PC 25 | MBP-MBPX 25 | **84,10** |
| PC28 | PC 28 | MBP-MBPX 28 | **138,70** |
| PC31 | PC 31 | MBP-MBPX 31 | **153,70** |
| PC35 | PC 35 | MBP-MBPX 35 | **168,80** |
| PC40 | PC 40 | MBP-MBPX 40 | **168,80** |
| PC45 | PC 45 | MBP-MBPX 45 | **188,50** |



### AV
Anti-vibration mounts kit
Kit soporte antivibración

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| AV-1 | AV 1 | MBP-MBPX 20, 25, 28 | **44,60** |
| AV-2 | AV 2 | MBP-MBPX 31, 35, 40, 45 | **59,50** |



### RPI
Stainless protection grid
Rejilla de protección inoxidable

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| RPI160 | RPI Ø160 | MBP-MBPX 20 | **57,90** |
| RPI200 | RPI Ø200 | MBP-MBPX 25 | **62,70** |
| RPI225 | RPI Ø225 | MBP-MBPX 28 | **72,50** |
| RPI250 | RPI Ø250 | MBP-MBPX 31 | **77,30** |
| RPI280 | RPI Ø280 | MBP-MBPX 35 | **86,90** |
| RPI315 | RPI Ø315 | MBP-MBPX 40 | **106,20** |
| RPI355 | RPI Ø355 | MBP-MBPX 45 | **115,90** |



### DG
Diffusor with grid
Difusor con rejilla

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| DG160 | DG Ø160 | MBP-MBPX 20 | **129,10** |
| DG200 | DG Ø200 | MBP-MBPX 22, 25 | **168,80** |
| DG225 | DG Ø225 | MBP-MBPX 28 | **193,30** |
| DG250 | DG Ø250 | MBP-MBPX 31 | **228,10** |
| DG280 | DG Ø280 | MBP-MBPX 35 | **243,00** |
| DG315 | DG Ø315 | MBP-MBPX 40 | **252,90** |
| DG355 | DG Ø355 | MBP-MBPX 45 | **312,50** |



### AD
Adjustable damper
Compuerta ajustable

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| AD-160 | AD Ø160 | MBP-MBPX 20 | **233,00** |
| AD-200 | AD Ø200 | MBP-MBPX 22, 25 | **262,90** |
| AD-225 | AD Ø225 | MBP-MBPX 28 | **277,80** |
| AD-250 | AD Ø250 | MBP-MBPX 31 | **287,50** |
| AD-280 | AD Ø280 | MBP-MBPX 35 | **302,40** |
| AD-315 | AD Ø315 | MBP-MBPX 40 | **357,00** |
| AD-355 | AD Ø355 | MBP-MBPX 45 | **361,90** |



### PCM
Motor protection cover
Tapa protección motor

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| PCM1 | PCM 1 | MBP-MBPX 20, 25, 28 | **39,70** |
| PCM2 | PCM 2 | MBP-MBPX 31, 35, 40 | **49,50** |
| PCM3 | PCM 3 | MBP-MBPX 45 | **59,50** |



### PD
Drain plug
Tapón de drenaje

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| PD1 | PD 1 | MBP-MBPX 20, 25, 28, 31, 35, 40, 45 | **24,90** |



### WS
Wall bracket
Soporte para pared

| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| WS1 | WS 1 | MBP-MBPX 20, 25, 28, 31, 35, 40, 45 | **198,20** |

# MBPCX



ErP Exempt | 60 +Info Hz | Ex

## PLASTIC ATEX FAN WITH FORWARD IMPELLER

### MANUFACTURING FEATURES
- Antistatic PE-el housing.
- Forward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz. Equipped with ATEX motors.
- Standard orientation: LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- General ventilation in closed environments classified as ATEX zone 2.
- Maximum temperature of transported air: If it is clean air 70ºC, other depends on the gas (see table in documentation)

### UNDER REQUEST
- 60Hz fans and special voltages fans.
- Stainless steel motor support.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*In compliance with the ATEX Directive 2014/34/UE. Certified ATEX II3G with certified ATEX motor for areas 2 (gas)*

## VENTILADOR DE PLÁSTICO ATEX CON TURBINA A ACCIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en PE-el antiestático.
- Turbina a acción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina de poliéster.
- Tornillería en acero inoxidable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz. Modelos equipados con motores ATEX.
- Orientación estándar: LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Ventilación en locales clasificados ATEX zona 2.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación)

### BAJO DEMANDA
- Ventiladores para trabajar a 60Hz y voltajes especiales.
- Pie soporte en acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

*En cumplimiento con la Directiva ATEX 2014/34/UE. Construcción ATEX II3G. Para zona 2 (gas)*

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Speed controller for single phase motors.
Regulador de velocidad monofásico.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**SIL-C** pg.505
Circular silencer.
Silenciador circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| 502302014XD | MBPCX 20 T2 0,25kW | 2750 | 0,74 | 0,25 | 610 | 63 | 18 | **2.281,80** |
| 502302517XD | MBPCX 25 T2 0,75kW | 2870 | 2,00 | 0,75 | 1.220 | 68 | 28 | **3.113,40** |
| 502302818XD | MBPCX 28 T2 1,1kW | 2830 | 2,6 | 1,10 | 1.690 | 73 | 31 | **3.783,20** |
| 502303119XD | MBPCX 31 T2 1,5kW | 2850 | 3,95 | 1,50 | 2.710 | 74 | 44 | **4.467,60** |
| 502303527XD | MBPCX 35 T2 2,2kW | 2840 | 5,4 | 2,20 | 2.710 | 76 | 82 | **8.320,00** |
| 502304032XD | MBPCX 40 T2 4kW | 2880 | 7,63 | 4,00 | 4.090 | 79 | 63 | **6.195,60** |
| 502304034XD | MBPCX 40 T2 5,5kW | 2910 | 10,6 | 5,50 | 5.600 | 79 | 66 | **7.048,90** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| 502302039XD | MBPCX 20 T4 0,12kW | 1420 | 0,71 | 0,12 | 310 | 47 | 17 | **2.170,60** |
| 502302540XD | MBPCX 25 T4 0,18kW | 1380 | 0,76 | 0,18 | 630 | 53 | 21 | **2.463,90** |
| 502302840XD | MBPCX 28 T4 0,18kW | 1380 | 0,76 | 0,18 | 860 | 58 | 24 | **2.824,70** |
| 502303141XD | MBPCX 31 T4 0,25kW | 1400 | 0,84 | 0,25 | 1.510 | 58 | 33 | **3.187,80** |
| 502303542XD | MBPCX 35 T4 0,37kW | 1410 | 1,2 | 0,37 | 2.110 | 61 | 53 | **7.888,90** |
| 502304044XD | MBPCX 40 T4 0,75kW | 1410 | 2,1 | 0,75 | 2.550 | 64 | 41 | **4.938,90** |
| 502304545XD | MBPCX 45 T4 1,5kW | 1415 | 3,8 | 1,50 | 3.900 | 66 | 85 | **11.080,00** |
| 502305054XD | MBPCX 50 T4 2,2kW | 1440 | 5,8 | 2,20 | 5.250 | 75 | 77 | **16.386,70** |
| 503105661XD | MBPCX 56 T4 5,5kW | 1455 | 11,5 | 5,50 | 8.990 | 77 | 120 | **19.431,10** |
| 502306363XD | MBPCX 63 T4 7,5kW | 1440 | 15,00 | 7,50 | 12.380 | 84 | 131 | **23.951,10** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)



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## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| 502303167XD | MBPCX 31 T6 0,12kW | 900 | 0,55 | 0,12 | 990 | 58 | 28 | **3.191,00** |
| 502304069XD | MBPCX 40 T6 0,25kW | 910 | 1,00 | 0,25 | 1.670 | 53 | 34 | **4.733,60** |
| 502305072XD | MBPCX 50 T6 0,75kW | 930 | 2,2 | 0,75 | 3.440 | 63 | 68 | **15.737,80** |
| 502305678XD | MBPCX 56 T6 2,2kW | 930 | 5,2 | 2,20 | 5.890 | 66 | 95 | **18.182,20** |
| 502306380XD | MBPCX 63 T6 3kW | 960 | 7,2 | 3,00 | 7.682 | 72 | 125 | **21.968,90** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

## ACCESSORIES FOR MBPCX | ACCESORIOS PARA MBPCX



### FJ
Flexible joint
Junta flexible

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| FJ-125 | FJ Ø125 | MBPC-MBPCX 20 | **44,60** |
| FJ-160 | FJ Ø160 | MBPC-MBPCX 25 | **59,50** |
| FJ-180 | FJ Ø180 | MBPC-MBPCX 28 | **64,30** |
| FJ-200 | FJ Ø200 | MBPC-MBPCX 31 | **69,60** |
| FJ-225 | FJØ225 | MBPC-MBPCX 35 | **74,50** |
| FJ-250 | FJ Ø250 | MBPC-MBPCX 40 | **84,10** |
| FJ-280 | FJ Ø280 | MBPC-MBPCX 45 | **89,30** |
| FJ-315 | FJ Ø315 | MBPC-MBPCX 50 | **99,20** |
| FJ-400 | FJ Ø400 | MBPC-MBPCX 56 | **124,00** |
| FJ-450 | FJ Ø450 | MBPC-MBPCX 63 | **140,00** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CSC125 | CSC Ø125 | MBPC-MBPCX 20 | **208,50** |
| CSC160 | CSC Ø160 | MBPC-MBPCX 25 | **247,90** |
| CSC180 | CSC Ø180 | MBPC-MBPCX 28 | **282,60** |
| CSC200 | CSC Ø200 | MBPC-MBPCX 31 | **307,40** |
| CSC225 | CSC Ø225 | MBPC-MBPCX 35 | **357,00** |
| CSC250 | CSC Ø250 | MBPC-MBPCX 40 | **396,70** |
| CSC280 | CSC Ø280 | MBPC-MBPCX 45 | **426,40** |
| CSC315 | CSC Ø315 | MBPC-MBPCX 50 | **451,20** |
| CSC400 | CSC Ø400 | MBPC-MBPCX 56 | **530,70** |
| CSC450 | CSC Ø450 | MBPC-MBPCX 63 | **890,00** |



### AV
Anti-vibration mounts kit
Kit soporte antivibración

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AV-1 | AV 1 | MBPC-MBPCX 20, 25, 28 | **44,60** |
| AV-2 | AV 2 | MBPC-MBPCX 31, 40, 45 | **59,50** |
| AV-3 | AV 3 | MBPC-MBPCX 50, 56 | **138,70** |



### WS
Wall bracket
Soporte para pared

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| WS1 | WS 1 | MBP-MBPX 20, 25, 28, 31, 35, 40, 45 | **198,20** |



### DG
Diffusor with grid
Difusor con rejilla

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| DG125 | DG Ø125 | MBPC-MBPCX 20 | **109,10** |
| DG160 | DG Ø160 | MBPC-MBPCX 25 | **129,10** |
| DG180 | DG Ø180 | MBPC-MBPCX 28 | **143,80** |
| DG200 | DG Ø200 | MBPC-MBPCX 31 | **168,80** |
| DG225 | DG Ø225 | MBPC-MBPCX 35 | **193,30** |
| DG250 | DG Ø250 | MBPC-MBPCX 40 | **228,10** |
| DG280 | DG Ø280 | MBPC-MBPCX 45 | **243,00** |
| DG315 | DG Ø315 | MBPC-MBPCX 50 | **252,90** |
| DG400 | DG Ø400 | MBPC-MBPCX 56 | **357,00** |
| DG450 | DG Ø450 | MBPC-MBPCX 63 | **535,00** |



### RPI
Stainless protection grid
Rejilla de protección inoxidable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| RPI125 | RPI Ø125 | MBPC-MBPCX 20 | **53,10** |
| RPI160 | RPI Ø160 | MBPC-MBPCX 25 | **57,90** |
| RPI180 | RPI Ø180 | MBPC-MBPCX 28 | **62,70** |
| RPI200 | RPI Ø200 | MBPC-MBPCX 31 | **62,70** |
| RPI250 | RPI Ø250 | MBPC-MBPCX 40 | **77,30** |
| RPI280 | RPI Ø280 | MBPC-MBPCX 45 | **86,90** |
| RPI315 | RPI Ø315 | MBPC-MBPCX 50 | **106,20** |



### PD
Drain plug
Tapón de drenaje

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PD1 | PD 1 | MBPC-MBPCX 20, 25, 28, 31, 40, 45 | **24,90** |
| PD2 | PD 2 | MBPC-MBPCX 50, 56, 63 | **79,40** |

# MBPN ATEX



ErP Exempt

## ATEX MEDIUM PRESSURE WITH BACKWARD IMPELLER AND PLASTIC CONSTRUCTION

### MANUFACTURING FEATURES
- PE-el moulded housing.
- Backward impeller with self-cleaning system in PP.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz for motors until 4kW and 400/690V 50Hz for upper motors. Equipped with ATEX motor.
- Standard orientation: LG270.

### APPLICATIONS
Designed for inline installation, they are suitable for:
- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- General ventilation in closed environments classified as ATEX zone 2.
- Maximum temperature of transported air: If it is clean air 70ºC, other depends on the gas (see table in documentation)

### UNDER REQUEST
- Single phase motors (up to 1,1Kw).
- Fans for special voltages.
- 2 speed motors.
- Stainless steel motor support.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR PLÁSTICO CON TURBINA REACCIÓN ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS
- Carcasa fabricada en PE-el.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción) en PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina de poliéster.
- Tornillería en acero inoxidable
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores hasta 4kW y 400/690V 50Hz para potencias superiores. Equipado con motor ATEX.
- Orientación estándar: LG270.

### APLICACIONES
Diseñados para instalación en conducto, son indicados para:
- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Ventilación en locales clasificados ATEX zona 2.
- Temperatura máxima del aire transportado: si es aire limpio a 70ºC, otros dependerá del gas (consulte la tabla en la documentación)

### BAJO DEMANDA
- Motores monofásicos (hasta 1,1kW).
- Ventiladores para voltajes especiales.
- Motores 2 velocidades.
- Pie soporte en acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| 510704536XD | MBPN 45 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 13.000 | 88 | 72 | **14.673,30** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 2 * |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 2 * |
| | | | 230V | 400V | | | | | |
| 510705054XD | MBPN 50 T4 2,2kW ATEX | 1435 | 8,07 | 4,64 | 2,20 | 9.000 | 76 | **70** | **15.925,90** |
| 510705659XD | MBPN 56 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 4,00 | 13.000 | 76 | **110** | **18.418,40** |
| 510706361XD | MBPN 63 T4 5,5kW ATEX | 1460 | - | 10,5 | 5,50 | 17.800 | 76 | **112** | **22.758,40** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)



CV.28.02.25

## 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | | ZONE 2 * |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | ZONA 2 * |
| 510705071XD | MBPN 50 T6 0,55kW ATEX | 900 | 3,00 | 1,8 | 0,55 | 6.000 | 67 | **62** | **14.829,90** |
| 510705673XD | MBPN 56 T6 1,1kW ATEX | 925 | 4,83 | 2,78 | 1,10 | 8.500 | 66 | **87** | **16.890,30** |
| 510706378XD | MBPN 63 T6 2,2kW ATEX | 965 | 10,3 | 5,94 | 2,20 | 11.500 | 66 | **102** | **20.986,10** |
| 510708087XD | MBPN 80 T6 7,5kW ATEX | 965 | - | 15,2 | 7,50 | 15.000 | 67 | **390** | **35.484,00** |

* ZONE 2: FAN (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)
* ZONA 2: VENTILADOR (Ex h IIB T4 Gc) + MOTOR (Ex db IIC T4 Gb)

## ACCESSORIES FOR MBPN ATEX | ACCESORIOS PARA MBPN ATEX



### FJ
Flexible joint
Junta flexible

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| FJ-355 | FJ Ø355 | MBPN-MBPNX ATEX 45 | **114,20** |
| FJ-400 | FJ Ø400 | MBPN-MBPNX ATEX 50 | **124,00** |
| FJ-450 | FJ Ø450 | MBPN-MBPNX ATEX 56 | **140,00** |
| FJ-500 | FJ Ø500 | MBPN-MBPNX ATEX 63 | **155,00** |
| FJ-700 | FJ Ø700 | MBPN-MBPNX ATEX 80 | **210,00** |



### CSC
Gravity shutter
Compuerta sobrepresión circular

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CSC355 | CSC Ø355 | MBPN-MBPNX ATEX 45 | **500,70** |
| CSC400 | CSC Ø400 | MBPN-MBPNX ATEX 50 | **530,70** |
| CSC450 | CSC Ø450 | MBPN-MBPNX ATEX 56 | **890,00** |
| CSC500 | CSC Ø500 | MBPN-MBPNX ATEX 63 | **975,00** |
| CSC700 | CSC Ø700 | MBPN-MBPNX ATEX 80 | **1.605,00** |



### PD
Drain plug
Tapón de drenaje

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PD1 | PD1 | MBPN-MBPNX ATEX 50 | **24,90** |
| PD2 | PD2 | MBPN-MBPNX ATEX 56-80 | **79,00** |



### DG
Diffusor with grid
Difusor con rejilla

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| DG355 | DG Ø355 | MBPN-MBPNX ATEX 45 | **312,50** |
| DG400 | DG Ø400 | MBPN-MBPNX ATEX 50 | **357,00** |
| DG450 | DG Ø450 | MBPN-MBPNX ATEX 56 | **535,00** |
| DG500 | DG Ø500 | MBPN-MBPNX ATEX 63 | **580,00** |
| DG700 | DG Ø700 | MBPN-MBPNX ATEX 80 | **890,00** |



### AD
Adjustable damper
Compuerta ajustable

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| AD-355 | AD Ø355 | MBPN-MBPNX ATEX 45 | **361,90** |
| AD-400 | AD Ø400 | MBPN-MBPNX ATEX 50 | **395,00** |
| AD-450 | AD Ø450 | MBPN-MBPNX ATEX 56 | **2.070,00** |
| AD-500 | AD Ø500 | MBPN-MBPNX ATEX 63 | **2.490,00** |
| AD-700 | AD Ø700 | MBPN-MBPNX ATEX 80 | **3.860,00** |

# AAX



ErP Exempt | 60 +Info Hz | Ex

## ATEX HIGH PRESSURE WITH ALUMINIUM BACKWARD IMPELLER

### MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded housing.
- High efficiency simple inlet backward curved impeller made of cast aluminium.
- Protected against corrosion by powder coating of polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation: LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- 2 speed motors.
- Orientation: LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CON TURBINA DE ALUMINIO A REACCIÓN ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Motor asíncrono ATEX normalizado de jaula de ardilla, protección IP-55, y certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar: LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Motores de 2 velocidades.
- Orientación: LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC pg.514**
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS pg.474**
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RBS** pg.459
Outlet protection guard.
Rejilla de protección.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

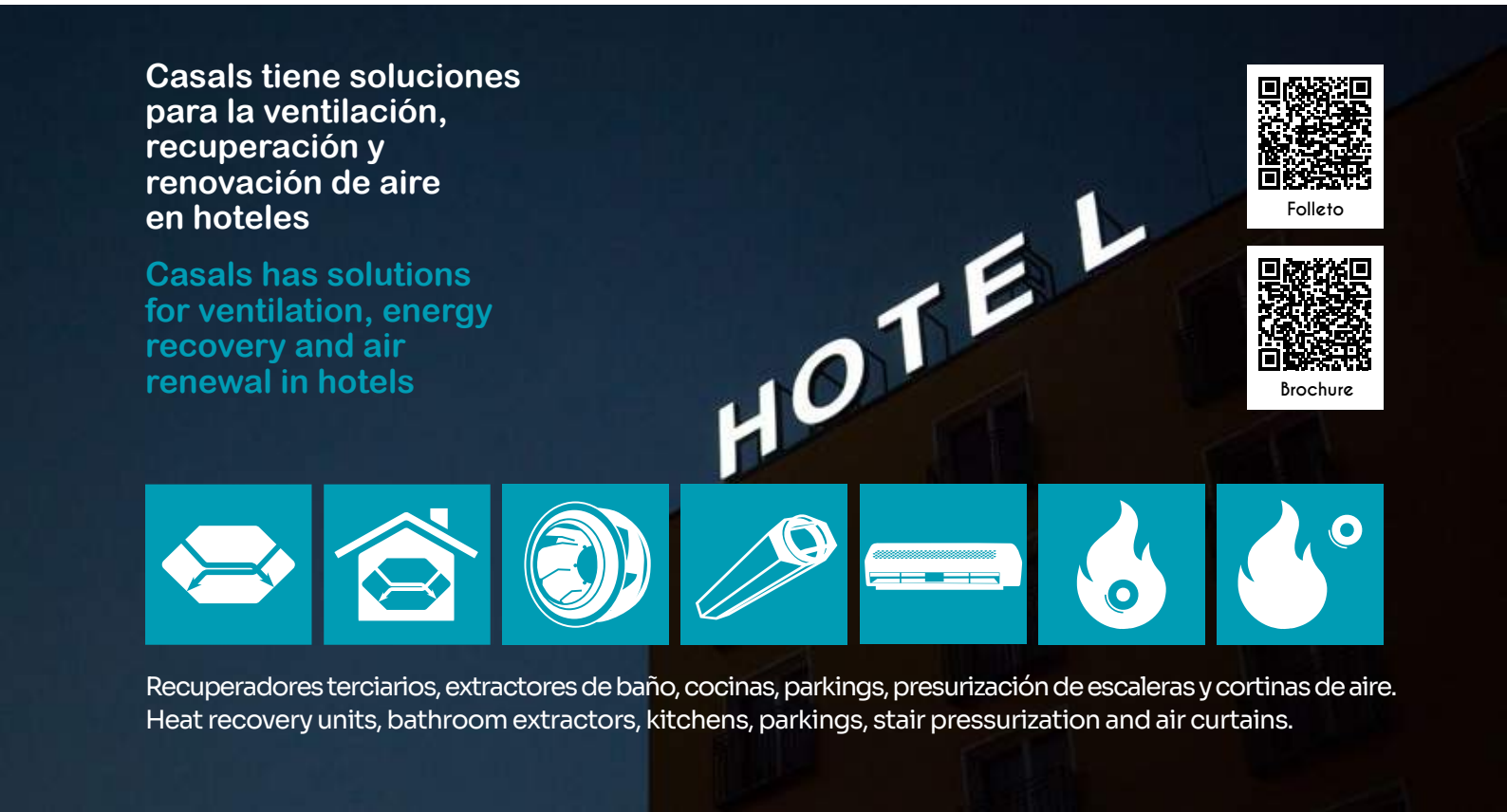
| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| | | | 230V | 400V | | | | |
| 255170160XY | AAX 47 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 520 | 64 | 49,5 |
| 255280160XY | AAX 53 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 880 | 67 | 67 |
| 255350160XY | AAX 59 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 580 | 69 | 70 |
| 255350163XY | AAX 59 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 890 | 69 | 77 |
| 255450160XY | AAX 66 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 900 | 72 | 82 |
| 255500160XY | AAX 70 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.030 | 77 | 118,5 |
| 255510160XY | AAX 70 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.790 | 78 | 125 |
| 255120106XY | AAX 45/5 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 1.680 | 83 | 62,5 |
| 255120120XY | AAX 45/5 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 2.760 | 83 | 69,5 |
| 255150106XY | AAX 50/5 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 2.930 | 86 | 79 |
| 255150120XY | AAX 50/5 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 4.650 | 87 | 92 |
| 255520120XY | AAX 60/7 T2 11kW | 2930 | - | 20,8 | 11 | 5.480 | 91 | 141 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 |
|---|---|
| FAN/VENTILADOR<br>(Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR<br>(Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) |

| Code | Model | R.R.P € | |
|---|---|---|---|
| | | ZONE 1 | ZONE 2 |
| Código | Modelo | P.V.P € | |
| | | ZONA 1 | ZONA 2 |
| 255170160XY | AAX 47 T2 1,1kW | **2.703,70** | **2.517,10** |
| 255280160XY | AAX 53 T2 2,2kW | **2.968,70** | **2.689,00** |
| 255350160XY | AAX 59 T2 2,2kW | **3.210,60** | **2.930,80** |
| 255350163XY | AAX 59 T2 3kW | **3.541,90** | **3.281,20** |
| 255450160XY | AAX 66 T2 4kW | **4.643,90** | **3.994,60** |
| 255500160XY | AAX 70 T2 5,5kW | **4.874,40** | **4.635,60** |
| 255510160XY | AAX 70 T2 7,5kW | **5.076,20** | **4.817,10** |
| 255120106XY | AAX 45/5 T2 2,2kW | **2.909,80** | **2.629,80** |
| 255120120XY | AAX 45/5 T2 3kW | **3.323,60** | **3.063,20** |
| 255150106XY | AAX 50/5 T2 4kW | **4.730,80** | **4.081,50** |
| 255150120XY | AAX 50/5 T2 5,5kW | **5.246,90** | **5.008,40** |
| 255520120XY | AAX 60/7 T2 11kW | **7.420,40** | **7.100,10** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2 /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2.



# KASTORM ATEX




ErP Exempt | 60 +info Hz | Ex

## MEDIUM PRESSURE OF SIMPLE ASPIRATION AND DIRECT COUPLING. ROBUST, COMPACT AND CUBIC ATEX

### MANUFACTURING FEATURES

- Reinforced cubic housing made of carbon laminated steel, protected against corrosion by powder coating of RAL 5010 polyester resin. C3 finish.
- Self-cleaning turbine and reinforced impeller of high-performance backward blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Painted black RAL 9005.
- Standardized asynchronous squirrel cage motor with IP-55 protection and class F electrical isolation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5) and waterproof shaft.
- Welded Cubic Housing .
- Working temperature: ambient from -20ºC to 40ºC, transported air according to the ATEX clasification.
- Available positions (to be indicated in case of order, to maintain the connection box on the top): LG270, LG0, LG90, LG180. RD 270, RD0, RD90, RD180.
- The indicated codes correspond to the model in position LG270.

### APPLICATIONS

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths.
- Dust Collection.
- Food industry dryers.
- Food processing.
- Incineration.
- Odor control in industry.
- Indoor/outdoor pollution control.
- Big buildings.
- Malls.
- Factories/Industrial buildings.
- Warehouses.
- Fume extraction.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

### UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- 6-pole motor.
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Inspection door for easy maintenance and cleaning
- Sewer system

## MEDIA PRESIÓN A REACCIÓN DE SIMPLE ASPIRACIÓN Y ACOPLAMIENTO DIRECTO. ROBUSTO, COMPACTO Y CÚBICO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa cúbica reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes es-tándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Carcasa Cúbica soldada.
- Temperatura máxima de trabajo en continuo: ambiente entre -20ºC y 40ºC, aire transportado según clasificación ATEX.
- Posiciones disponibles (a indicar en caso de pedido, para mantener la caja de conexiones en la parte superior): LG270, LG0, LG90, LG180. RD 270, RD0, RD90, RD180.
- Los códigos indicados corresponden al modelo en posición LG270.

### APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para instalarse en conducto para la aspiración o la impulsión.

- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas/Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Motor 6 Polos.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Puerta inspección para facilitar el mantenimiento y la limpieza
- Drenaje

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**EIS** pg.482
Outlet flange.
Embocadura impulsión.



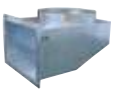
**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**RIS** pg.458
Outlet guard.
Reja de impulsión.



**CPS** pg.500
Elbow for STORM fans.
Codo para ventiladores STORM.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat.Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg |
| | | | 230V | 400V | | | | |
| PSCU311280XN | KASTORM 311 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 1,10 | 4.720 | 58 | 51,16 |
| PSCU351290XN | KASTORM 351 T2 2,2kW ATEX | 2840 | 7,97 | 4,58 | 2,20 | 6.750 | 62 | 64,81 |
| PSCU4012100XN | KASTORM 401 T2 4kW ATEX | 2880 | 13,3 | 7,63 | 4,00 | 9.660 | 66 | 83,52 |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) | | Rat.Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|---|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg |
| | | | 230V | 400V | | | | |
| PSCU311471XN | KASTORM 311 T4 0,37kW ATEX | 1370 | 1,86 | 1,07 | 0,37 | 2.360 | 43 | 49,99 |
| PSCU351471XN | KASTORM 351 T4 0,37kW ATEX | 1370 | 1,86 | 1,07 | 0,37 | 3.380 | 47 | 61,67 |
| PSCU401480XN | KASTORM 401 T4 0,55kW ATEX | 1440 | 2,57 | 1,49 | 0,55 | 4.830 | 51 | 78,75 |
| PSCU451480 XN | KASTORM 451 T4 0,75kW ATEX | 1410 | 2,83 | 1,63 | 0,75 | 6.880 | 54 | 100,41 |
| PSCU501490 XN | KASTORM 501 T4 1,5kW ATEX | 1450 | 5,67 | 3,26 | 1,50 | 9.430 | 57 | 123,93 |
| PSCU5614100 XN | KASTORM 561 T4 2,2kW ATEX | 1435 | 8,07 | 4,64 | 2,20 | 13.250 | 61 | 154,39 |
| PSCU6314112 XN | KASTORM 631 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 4,00 | 18.860 | 65 | 192,62 |
| PSCU7114132 XN | KASTORM 711 T4 7,5kW ATEX | 1455 | - | 14,1 | 7,50 | 26.990 | 68 | 252,30 |
| PSCU8014160 XN | KASTORM 801 T4 15kW ATEX | 1465 | - | 29,8 | 15,00 | 38.610 | 72 | 337,25 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| PSCU311280XN | KASTORM 311 T2 1,1kW ATEX | **3.231,10** | **2.875,70** | **3.088,70** | **2.932,90** | **2.297,70** |
| PSCU351290XN | KASTORM 351 T2 2,2kW ATEX | **3.740,30** | **3.277,40** | **3.561,00** | **3.343,70** | **2.596,10** |
| PSCU4012100XN | KASTORM 401 T2 4kW ATEX | **4.588,60** | **4.137,90** | **4.402,40** | **4.217,50** | **3.150,90** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| PSCU311471XN | KASTORM 311 T4 0,37kW ATEX | **2.913,80** | **2.743,60** | **2.818,50** | **2.794,40** | **2.189,10** |
| PSCU351471XN | KASTORM 351 T4 0,37kW ATEX | **3.158,80** | **2.960,60** | **3.035,50** | **3.011,50** | **2.380,90** |
| PSCU401480XN | KASTORM 401 T4 0,55kW ATEX | **3.727,90** | **3.501,90** | **3.604,50** | **3.556,70** | **2.726,80** |
| PSCU451480 XN | KASTORM 451 T4 0,75kW ATEX | **4.391,20** | **4.176,90** | **4.277,80** | **4.235,70** | **3.125,40** |
| PSCU501490 XN | KASTORM 501 T4 1,5kW ATEX | **4.978,50** | **4.803,10** | **4.907,50** | **4.872,00** | **3.607,80** |
| PSCU5614100 XN | KASTORM 561 T4 2,2kW ATEX | **5.868,00** | **5.308,50** | **5.494,10** | **5.387,20** | **4.194,90** |
| PSCU6314112 XN | KASTORM 631 T4 4kW ATEX | **7.110,20** | **6.410,40** | **6.711,20** | **6.503,60** | **5.107,40** |
| PSCU7114132 XN | KASTORM 711 T4 7,5kW ATEX | **9.099,40** | **8.485,90** | **9.134,10** | **8.608,00** | **6.587,40** |
| PSCU8014160 XN | KASTORM 801 T4 15kW ATEX | **12.413,70** | **11.156,60** | **12.448,50** | **11.343,40** | **8.929,60** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI.
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# NIMUS ATEX



311-451



501-1001

## ATEX CENTRIFUGAL FAN FOR CLEAN OR DUSTY AIR

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painted RAL 9005.
- Squirrel cage standardized asynchronous IEC motor ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with feet (B3) supported on motor support foot.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### APPLICATIONS

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths
- Collection of dust
- Food industry dryers
- Food processing
- Incineration
- Odor control in industry
- Indoor / outdoor pollution control
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Extraction of smoke
- Boilers and ovens
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los Modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de Modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para instalarse en conducto para la aspiración o la impulsión:

- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516

Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459

Inlet protection guard.
Rejilla aspiración.



**AC** pg.479

Connexion flange.
Brida de connexión.



**JE 45** pg.484

Flexible joint.
Junta elástica.



**AVR** pg.498

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**EIS** pg.482

Outlet flange.
Embocadura impulsión.



**BADS ATEX** pg.486

Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**AVS** pg.499

Spring anti-vibration blocks.
Amortiguador de muelles.



**RIS** pg.458

Outlet guard.
Reja de impulsión.



**BIDS ATEX** pg.490

Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SIL-C** pg.505

Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474

Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BA-400** pg.484

Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**CPD** pg.475

Frontal feet suport.
Conjunto pie soporte delantero.



**CPDMP** pg.476

Multiposition frontal feet support.
Conjunto pie frontal multiposición.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx m³/h | SonidodB (A) | Peso Kg |
| NS311280XY | NIMUS 311 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 4.720 | 58 | 34,97 |
| NS351290XY | NIMUS 351 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 6.750 | 62 | 44,12 |
| NS4012100XY | NIMUS 401 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 9.660 | 66 | 61,47 |
| NS4512132XY | NIMUS 451 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 13.750 | 69 | 86,03 |
| NS5012160XY | NIMUS 501 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 18.850 | 73 | 110,05 |

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx m³/h | SonidodB (A) | Peso Kg |
| NS311471XY | NIMUS 311 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 2.360 | 43 | 46 |
| NS351471XY | NIMUS 351 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 3.370 | 47 | 66 |
| NS401480XY | NIMUS 401 T4 0,55kW ATEX | 1400 | 1,49 | 0,55 | 4.830 | 51 | 79 |
| NS451480XY | NIMUS 451 T4 0,75kW ATEX | 1410 | 1,63 | 0,75 | 6.870 | 54 | 95 |
| NS501490XY | NIMUS 501 T4 1,5kW ATEX | 1440 | 3,26 | 1,5 | 9.420 | 57 | 122 |
| NS5614100XY | NIMUS 561 T4 2,2kW ATEX | 1435 | 4,64 | 2,2 | 13.240 | 61 | 154 |
| NS6314112XY | NIMUS 631 T4 4kW ATEX | 1440 | 8,32 | 4 | 18.850 | 65 | 201 |
| NS7114132XY | NIMUS 711 T4 7,5kW ATEX | 1455 | 14,1 | 7,5 | 26.980 | 68 | 308 |
| NS8014160XY | NIMUS 801 T4 15kW ATEX | 1465 | 29,8 | 15 | 38.600 | 72 | 430 |
| NS9014200XY | NIMUS 901 T4 30kW ATEX | 1475 | 56,3 | 30 | 54.960 | 75 | 748 |
| NS10014225XY | NIMUS 1001 T4 45kW ATEX | 1475 | 80,7 | 45 | 75.390 | 79 | 1.083 |

### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg |
| NS501680XY | NIMUS 501 T6 0,75kW ATEX | 930 | 2,2 | 0,75 | 6.290 | 49 | 109 |
| NS561690XY | NIMUS 561 T6 0,75kW ATEX | 930 | 2,2 | 0,75 | 8.830 | 52 | 139 |
| NS6316100XY | NIMUS 631 T6 1,5kW ATEX | 940 | 4,00 | 1,5 | 12.570 | 56 | 194 |
| NS7116112XY | NIMUS 711 T6 2,2kW ATEX | 930 | 5,2 | 2,2 | 17.990 | 59 | 278 |
| NS8016132XY | NIMUS 801 T6 4kW ATEX | 960 | 9,46 | 4 | 25.740 | 63 | 368 |
| NS9016160XY | NIMUS 901 T6 7,5kW ATEX | 965 | 15,2 | 7,5 | 36.650 | 67 | 610 |
| NS10016180XY | NIMUS 1001 T6 15kW ATEX | 970 | 27,7 | 15 | 50.270 | 70 | 890 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| NS311280XY | NIMUS 311 T2 1,1kW ATEX | **2.881,10** | **2.525,70** | **2.738,70** | **2.582,90** | **1.947,70** |
| NS351290XY | NIMUS 351 T2 2,2kW ATEX | **3.340,30** | **2.877,40** | **3.161,00** | **2.943,70** | **2.196,10** |
| NS4012100XY | NIMUS 401 T2 4kW ATEX | **4.495,60** | **3.918,90** | **4.327,40** | **4.011,50** | **2.839,90** |
| NS4512132XY | NIMUS 451 T2 7,5kW ATEX | **5.338,90** | **4.742,10** | **5.373,70** | **4.852,90** | **3.366,00** |
| NS5012160XY | NIMUS 501 T2 11kW ATEX | **7.085,30** | **6.508,10** | **7.119,90** | **6.688,30** | **4.659,40** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| NS311471XY | NIMUS 311 T4 0,37kW ATEX | **2.563,80** | **2.393,60** | **2.468,50** | **2.444,40** | **1.839,10** |
| NS351471XY | NIMUS 351 T4 0,37kW ATEX | **2.758,80** | **2.560,60** | **2.635,50** | **2.611,50** | **1.980,90** |
| NS401480XY | NIMUS 401 T4 0,55kW ATEX | **3.227,90** | **3.001,90** | **3.104,50** | **3.056,70** | **2.226,80** |
| NS451480XY | NIMUS 451 T4 0,75kW ATEX | **3.781,20** | **3.566,90** | **3.667,80** | **3.625,70** | **2.515,40** |
| NS501490XY | NIMUS 501 T4 1,5kW ATEX | **4.253,50** | **4.078,10** | **4.182,50** | **4.147,00** | **2.882,80** |
| NS5614100XY | NIMUS 561 T4 2,2kW ATEX | **5.018,00** | **4.458,50** | **4.644,10** | **4.537,20** | **3.344,90** |
| NS6314112XY | NIMUS 631 T4 4kW ATEX | **6.085,20** | **5.385,40** | **5.686,20** | **5.478,60** | **4.082,40** |
| NS7114132XY | NIMUS 711 T4 7,5kW ATEX | **7.749,40** | **7.135,90** | **7.784,10** | **7.258,00** | **5.237,40** |
| NS8014160XY | NIMUS 801 T4 15kW ATEX | **10.863,70** | **9.606,60** | **10.898,50** | **9.793,40** | **7.379,60** |
| NS9014200XY | NIMUS 901 T4 30kW ATEX | **14.794,80** | **13.422,00** | **14.829,60** | **13.759,00** | **10.450,60** |
| NS10014225XY | NIMUS 1001 T4 45kW ATEX | **19.259,00** | **16.560,20** | **19.293,80** | **16.982,40** | **13.173,50** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| NS501680XY | NIMUS 501 T6 0,75kW ATEX | **3.884,00** | *** NA/ ND** | **3.918,80** | *** NA/ ND** | **2.724,00** |
| NS561690XY | NIMUS 561 T6 0,75kW ATEX | **4.676,20** | **4.188,50** | **4.370,50** | **4.253,70** | **3.252,90** |
| NS6316100XY | NIMUS 631 T6 1,5kW ATEX | **5.518,70** | **4.964,90** | **5.561,00** | **5.041,70** | **3.798,10** |
| NS7116112XY | NIMUS 711 T6 2,2kW ATEX | **6.768,80** | **6.410,80** | **6.876,90** | **6.500,50** | **4.694,90** |
| NS8016132XY | NIMUS 801 T6 4kW ATEX | **8.779,60** | **8.051,90** | **8.814,30** | **8.162,70** | **6.142,50** |
| NS9016160XY | NIMUS 901 T6 7,5kW ATEX | **10.744,50** | **9.930,20** | **10.779,30** | **10.104,60** | **8.062,50** |
| NS10016180XY | NIMUS 1001 T6 15kW ATEX | **14.392,10** | **13.040,90** | **14.426,90** | **13.292,80** | **10.306,00** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI.
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# PRESTUR ATEX



ErP Exempt | 60 +info Hz | Ex

## MEDIUM PRESSURE FAN, BACKWARD IMPELLER ATEX

### MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painting RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5).
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### APPLICATIONS

Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

- Paint booths.
- Collection of dust.
- Food industry dryers.
- Food processing.
- Incineration.
- Odor control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial buildings.
- Warehouses.
- Extraction of smoke.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5)
- Doble brida de aspiración
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG y RD.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.

- Cabinas de pintura
- Recogida de polvo
- Secadores de la industria alimenticia
- Procesamiento de alimentos
- Incineración
- Control de olores en industria
- Control de polución interior/exterior
- Grandes edificios
- Centros comerciales
- Fábricas / Naves industriales
- Almacenes
- Extracción de humos
- Calderas y hornos
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AC** pg.479
Connexion flange.
Brida de connexión.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**EIS** pg.482
Outlet flange.
Embocadura impulsión.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RIS pg.458**
Outlet guard.
Reja de impulsión.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



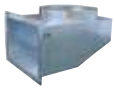
**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**CPS** pg.500
Elbow for STORM fans.
Codo para ventiladores STORM.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|
| Código | Modelo | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| PS311280XY | PRESTUR 311 T2 1,1kW ATEX | 2,6 | 1,10 | 4.720 | 58 | 56 |
| PS351290XY | PRESTUR 351 T2 2,2kW ATEX | 5,4 | 2,20 | 6.750 | 62 | 85 |
| PS4012100XY | PRESTUR 401 T2 4kW ATEX | 9,2 | 4,00 | 9.660 | 66 | 108,50 |

### 4 pole | 4 polos

| Code | Model | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|
| Código | Modelo | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| PS311471XY | PRESTUR 311 T4 0,37kW ATEX | 1,07 | 0,37 | 2360 | 43 | 46 |
| PS351471XY | PRESTUR 351 T4 0,37kW ATEX | 1,07 | 0,37 | 3370 | 47 | 66 |
| PS401480XY | PRESTUR 401 T4 0,55kW ATEX | 1,49 | 0,55 | 4830 | 51 | 79 |
| PS451480XY | PRESTUR 451 T4 0,75kW ATEX | 1,63 | 0,75 | 6870 | 54 | 95 |
| PS501490XY | PRESTUR 501 T4 1,5kW ATEX | 3,26 | 1,5 | 9420 | 57 | 122 |
| PS5614100XY | PRESTUR 561 T4 2,2kW ATEX | 4,64 | 2,2 | 13240 | 61 | 154 |
| PS6314112XY | PRESTUR 631 T4 4kW ATEX | 8,32 | 4 | 18850 | 65 | 201 |
| PS7114132XY | PRESTUR 711 T4 7,5kW ATEX | 14,1 | 7,5 | 26980 | 68 | 308 |
| PS8014160XY | PRESTUR 801 T4 15kW ATEX | 29,8 | 15 | 38600 | 72 | 430 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 2 | ZONE / ZONA 22 | | ZONE / ZONA 1 |
|---|---|---|---|
| | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST | |
| FAN/VENTILADOR (Ex h IIB+H2 T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135°C Db) + MOTOR (Ex tb IIIC T135°C Db) | FAN/VENTILADOR (Ex h IIIC T135°C Dc) + MOTOR (Ex tc IIIB T120°C Dc) | FAN/VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| PS311280XY | PRESTUR 311 T2 1,1kW ATEX | **2.589,80** | **2.223,20** | **2.445,20** | **2.281,70** | **1.796,90** |
| PS351290XY | PRESTUR 351 T2 2,2kW ATEX | **3.080,30** | **2.602,30** | **2.898,30** | **2.670,10** | **2.038,10** |
| PS4012100XY | PRESTUR 401 T2 4kW ATEX | **4.098,80** | **3.507,60** | **3.927,50** | **3.602,40** | **2.641,40** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| PS311471XY | PRESTUR 311 T4 0,37kW ATEX | **2.259,30** | **2.086,90** | **2.163,80** | **2.138,60** | **1.685,30** |
| PS351471XY | PRESTUR 351 T4 0,37kW ATEX | **2.477,80** | **2.277,60** | **2.354,50** | **2.329,20** | **1.820,20** |
| PS401480XY | PRESTUR 401 T4 0,55kW ATEX | **2.841,60** | **2.612,20** | **2.718,30** | **2.668,10** | **2.060,50** |
| PS451480XY | PRESTUR 451 T4 0,75kW ATEX | **3.427,60** | **3.202,50** | **3.306,90** | **3.262,70** | **2.350,20** |
| PS501490XY | PRESTUR 501 T4 1,5kW ATEX | **3.924,70** | **3.740,80** | **3.848,60** | **3.811,20** | **2.739,50** |
| PS5614100XY | PRESTUR 561 T4 2,2kW ATEX | **4.583,00** | **4.007,90** | **4.201,10** | **4.088,80** | **3.082,20** |
| PS6314112XY | PRESTUR 631 T4 4kW ATEX | **5.439,40** | **4.718,40** | **5.032,40** | **4.814,50** | **3.678,60** |
| PS7114132XY | PRESTUR 711 T4 7,5kW ATEX | **7.079,20** | **6.434,90** | **7.114,00** | **6.561,60** | **4.773,20** |
| PS8014160XY | PRESTUR 801 T4 15kW ATEX | **10.132,80** | **8.812,90** | **10.167,60** | **9.007,20** | **6.901,20** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# CTH3-A ATEX



ATEX BACKWARD CENTRIFUGAL ROOF FAN

**MANUFACTURING FEATURES**

- Roof cowl made of aluminium.
- Structure, roof base support and bird protection guard made of galvanized steel.
- High efficiency backward impeller with self-cleaning system made of steel.
- Standard asynchronous motor with IP-55 protection and ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz in three phase motors.

**APPLICATIONS**

Specially designed for roof installation, they are suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area.
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

VENTILADOR CENTRÍFUGO A REACCIÓN DE TEJADO ATEX

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Sombrerete de protección en alumnio.
- Estructura, marco soporte de adaptación a tejado y rejilla de protección antipájaros en acero galvanizado.
- Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos.

**APLICACIONES**

Diseñados para montaje en cubierta o tejado, son indicados para:

- Extracción de humos.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516

Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514

Speed controller for single phase motors.
Regulador de velocidad monofásico.



**RBS** pg.459

Outlet protection guard.
Rejilla de protección.



**EI** pg.480

Connection to be fitted in the centrifugal fans outlet.
Brida de conexión para boca de impulsión rectangular de ventiladores centrífugos.



**RA** pg.459

Inlet protection guard.
Rejilla de protección para la embocadura de aspiración.



**JE 45** pg.484

Flexible joint.
Junta elástica.



**BA-400** pg.484

Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AC** pg.479

Connexion flange.
Brida de connexión.



**BAD** pg.484

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 |
|---|---|
| FAN/VENTILADOR<br>(Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR<br>(Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) |

## SINGLE PHASE RANGE with aluminium cowl | SERIE MONOFÁSICA con sombrerete de aluminio

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 1 * |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 1* |
| 279310103AXD | CTH3-A 315 M4 0,25KW ATEX | 1400 | 1,93 | 0,25 | 2.190 | 43 | 30 | **2.624,30** |

* ZONE 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)
* ZONA 1: VENTILADOR (Ex h IIB+H2 T4 Gb) + MOTOR (Ex db IIC T5 Gb)

### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 1 |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 1 |
| 279410103AXD | CTH3-A 400 M6 0,37kW ATEX | 890 | 2,9 | 0,37 | 3.320 | 41 | 42 | **2.811,50** |

* ZONE 1: FAN (Ex h IIB T4 Gb) + MOTOR (Ex db IIB T4 Gb)
* ZONA 1: VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex db IIB T4 Gb)

## THREE PHASE RANGE with aluminium cowl | SERIE TRIFÁSICA con sombrerete de aluminio

### 4 pole | 4 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 1 | R.R.P € ZONA 2 |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 1 | P.V.P € ZONA 2 |
| 279310106AXY | CTH3-A 315 T4 0,25KW ATEX | 1400 | 0,84 | 0,25 | 2.190 | 43 | 30 | **1.520,00** | **1.403,40** |
| 279350106AXY | CTH3-A 355 T4 0,55KW ATEX | 1430 | 1,75 | 0,55 | 3.590 | 48 | 38 | **1.614,60** | **1.487,60** |
| 279400106AXY | CTH3-A 400 T4 0,75KW ATEX | 1410 | 2,1 | 0,75 | 5.130 | 51 | 42 | **1.767,30** | **1.686,00** |
| 279450106AXY | CTH3-A 450 T4 1,1KW ATEX | 1420 | 3,3 | 1,10 | 7.300 | 54 | 76 | **2.147,90** | **2.000,40** |
| 279500106AXY | CTH3-A 500 T4 1,5KW ATEX | 1415 | 3,8 | 1,50 | 10.010 | 57 | 100 | **2.850,20** | **2.678,60** |
| 279560106AXY | CTH3-A 560 T4 3KW ATEX | 1420 | 6,8 | 3,00 | 14.060 | 61 | 110 | **3.238,70** | **2.953,10** |

### 6 pole | 6 polos

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € ZONE 1 | R.R.P € ZONA 2 |
|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € ZONA 1 | P.V.P € ZONA 2 |
| 279410106AXY | CTH3-A 400 T6 0,37KW ATEX | 940 | 1,4 | 0,37 | 3.320 | 41 | 42 | **1.616,90** | *** NA-ND** |
| 279460106AXY | CTH3-A 450 T6 0,37KW ATEX | 940 | 1,4 | 0,37 | 4.730 | 45 | 76 | **1.874,90** | *** NA-ND** |
| 279510106AXY | CTH3-A 500 T6 0,75KW ATEX | 930 | 2,2 | 0,75 | 6.490 | 48 | 100 | **2.762,90** | **2.615,20** |
| 279570106AXY | CTH3-A 560 T6 0,75KW ATEX | 930 | 2,2 | 0,75 | 9.110 | 51 | 110 | **2.995,80** | **2.848,30** |
| 279630106AXY | CTH3-A 630 T6 1,5KW ATEX | 940 | 4,00 | 1,50 | 13.230 | 55 | 140 | **3.873,20** | **3.334,10** |
| 279710106AXY | CTH3-A 710 T6 2,2KW ATEX | 930 | 5,2 | 2,20 | 18.940 | 59 | 340 | **4.838,20** | **4.011,90** |
| 279800106AXY | CTH3-A 800 T6 4KW ATEX | 960 | 9,46 | 4,00 | 27.090 | 62 | 410 | **6.389,90** | **5.041,20** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2 /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2.
* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# MBCA ATEX



ErP Exempt | 60 +info Hz | Ex

## CENTRIFUGAL FAN FOR CLEAN AIR IN ATEX ENVIRONMENT

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Single inlet forward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor wwith ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Suitable for transporting totally clean air without dust.
- Steam aspiration in places where moving large volumes of air at low pressures.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180,RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO PARA MOVER AIRE LIMPIO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado on certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire totalmente limpio y sin polvo.
- Aspiración de vapores en lugares donde se desplazan grandes volúmenes de aire con bajas presiones.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AC** pg.479
Connexion flange.
Brida de connexión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | SonidodB (A) | Peso Kg |
| 501401816XY | MBCA 180 T2 0,55kW ATEX | 2840 | 1,45 | 0,55 | 1.230 | 47 | 19 |
| 501401818XY | MBCA 180 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 1.810 | 51 | 25 |
| 501402018XY | MBCA 200 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 1.810 | 51 | 27 |
| 501402027XY | MBCA 200 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 2.890 | 56 | 33 |
| 501402219XY | MBCA 220 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 2.170 | 52 | 32 |
| 501402229XY | MBCA 220 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 3.970 | 59 | 41 |
| 501402529XY | MBCA 250 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 3.250 | 56 | 51 |
| 501402532XY | MBCA 250 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 4.690 | 60 | 60 |
| 501402834XY | MBCA 280 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 4.690 | 60 | 82 |
| 501402836XY | MBCA 280 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 6.130 | 63 | 90 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | SonidodB (A) | Peso Kg |
| 501402242XY | MBCA 220 T4 0,37kW ATEX | 1410 | 1,2 | 0,37 | 1.810 | 40 | 28 |
| 501402542XY | MBCA 250 T4 0,37kW ATEX | 1410 | 1,2 | 0,37 | 1.810 | 43 | 30 |
| 501402543XY | MBCA 250 T4 0,55kW ATEX | 1430 | 1,75 | 0,55 | 2.530 | 47 | 33 |
| 501402844XY | MBCA 280 T4 0,75kW ATEX | 1410 | 2,1 | 0,75 | 3.010 | 47 | 40 |
| 501402845XY | MBCA 280 T4 1,1kW ATEX | 1420 | 3,3 | 1,10 | 3.810 | 51 | 42 |
| 501403146XY | MBCA 310 T4 1,5kW ATEX | 1415 | 3,8 | 1,50 | 4.310 | 51 | 50 |
| 501403154XY | MBCA 310 T4 2,2kW ATEX | 1440 | 5,8 | 2,20 | 5.410 | 55 | 58 |
| 501403554XY | MBCA 350 T4 2,2kW ATEX | 1440 | 5,8 | 2,20 | 5.410 | 52 | 66 |
| 501403556XY | MBCA 350 T4 3kW ATEX | 1420 | 6,8 | 3,00 | 7.210 | 56 | 66 |
| 501403559XY | MBCA 350 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 7.930 | 58 | 76 |
| 501404061XY | MBCA 400 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 7.930 | 58 | 100 |
| 501404063XY | MBCA 400 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 10.810 | 61 | 108 |
| 501404563XY | MBCA 450 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 10.090 | 57 | 112 |
| 501404552XY | MBCA 450 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 18.010 | 65 | 170 |
| 501405052XY | MBCA 500 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 16.210 | 61 | 200 |
| 501405055XY | MBCA 500 T4 22kW ATEX | 1465 | 40,1 | 22,00 | 21.610 | 65 | 272 |
| 501405655XY | MBCA 560 T4 22kW ATEX | 1465 | 40,1 | 22,00 | 21.610 | 61 | 313 |
| 501405658XY | MBCA 560 T4 37kW ATEX | 1470 | 69,2 | 37,00 | 32.410 | 68 | 497 |

### 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | SonidodB (A) | Peso Kg |
| 501403170XY | MBCA 310 T6 0,37kW ATEX | 940 | 1,4 | 0,37 | 2.170 | 41 | 43 |
| 501403171XY | MBCA 310 T6 0,55kW ATEX | 930 | 2,00 | 0,55 | 3.250 | 45 | 44 |
| 501403572XY | MBCA 350 T6 0,75kW ATEX | 930 | 2,2 | 0,75 | 3.970 | 46 | 56 |
| 501403573XY | MBCA 350 T6 1,1kW ATEX | 910 | 3,2 | 1,10 | 5.410 | 49 | 59 |
| 501404074XY | MBCA 400 T6 1,5kW ATEX | 940 | 4,00 | 1,50 | 5.410 | 48 | 82 |
| 501404078XY | MBCA 400 T6 2,2kW ATEX | 930 | 5,2 | 2,20 | 7.930 | 51 | 90 |
| 501404580XY | MBCA 450 T6 3kW ATEX | 970 | 7,8 | 3,00 | 9.010 | 52 | 112 |
| 501405083XY | MBCA 500 T6 4kW ATEX | 960 | 9,46 | 4,00 | 9.010 | 52 | 153 |
| 501405085XY | MBCA 500 T6 5,5kW ATEX | 960 | 12,8 | 5,50 | 10.810 | 55 | 153 |
| 501405687XY | MBCA 560 T6 7,5kW ATEX | 965 | 15,2 | 7,50 | 16.210 | 55 | 221 |
| 501405675XY | MBCA 560 T6 11kW ATEX | 965 | 22,6 | 11,00 | 21.610 | 61 | 233 |
| 501406375XY | MBCA 630 T6 11kW ATEX | 965 | 22,6 | 11,00 | 19.810 | 56 | 243 |
| 501406377XY | MBCA 630 T6 18,5kW ATEX | 975 | 35,7 | 18,50 | 28.810 | 63 | 400 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501401816XY | MBCA 180 T2 0,55kW ATEX | **2.013,30** | **1.758,20** | **1.838,30** | **1.776,90** | **1.229,00** |
| 501401818XY | MBCA 180 T2 1,1kW ATEX | **2.360,00** | **1.918,90** | **2.129,50** | **1.945,70** | **1.366,20** |
| 501402018XY | MBCA 200 T2 1,1kW ATEX | **2.481,50** | **2.040,30** | **2.250,90** | **2.066,90** | **1.487,60** |
| 501402027XY | MBCA 200 T2 2,2kW ATEX | **2.922,90** | **2.387,70** | **2.681,80** | **2.424,90** | **1.634,20** |
| 501402219XY | MBCA 220 T2 1,5kW ATEX | **2.804,00** | **2.361,70** | **2.687,40** | **2.396,10** | **1.605,10** |
| 501402229XY | MBCA 220 T2 3kW ATEX | **3.437,30** | **2.916,80** | **3.188,10** | **2.969,70** | **2.006,20** |
| 501402529XY | MBCA 250 T2 3kW ATEX | **3.593,70** | **3.050,80** | **3.322,20** | **3.103,80** | **2.177,30** |
| 501402532XY | MBCA 250 T2 4kW ATEX | **4.055,90** | **3.442,60** | **3.858,50** | **3.506,30** | **2.276,20** |
| 501402834XY | MBCA 280 T2 5,5kW ATEX | **5.079,40** | **4.098,40** | **4.862,30** | **4.185,50** | **2.719,80** |
| 501402836XY | MBCA 280 T2 7,5kW ATEX | **5.071,50** | **4.149,50** | **4.854,40** | **4.239,30** | **2.870,20** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501402242XY | MBCA 220 T4 0,37kW ATEX | **2.169,00** | **1.946,50** | **1.994,00** | **1.965,50** | **1.421,60** |
| 501402542XY | MBCA 250 T4 0,37kW ATEX | **2.382,00** | **2.137,20** | **2.184,70** | **2.156,30** | **1.553,20** |
| 501402543XY | MBCA 250 T4 0,55kW ATEX | **2.509,70** | **2.232,20** | **2.312,40** | **2.255,90** | **1.621,30** |
| 501402844XY | MBCA 280 T4 0,75kW ATEX | **2.929,00** | **2.458,70** | **2.536,90** | **2.487,20** | **1.772,50** |
| 501402845XY | MBCA 280 T4 1,1kW ATEX | **3.086,10** | **2.708,40** | **2.790,00** | **2.744,30** | **1.821,30** |
| 501403146XY | MBCA 310 T4 1,5kW ATEX | **3.419,60** | **2.970,80** | **3.053,10** | **3.011,00** | **2.015,10** |
| 501403154XY | MBCA 310 T4 2,2kW ATEX | **3.813,70** | **3.204,50** | **3.382,90** | **3.256,40** | **2.128,90** |
| 501403554XY | MBCA 350 T4 2,2kW ATEX | **4.107,70** | **3.446,80** | **3.625,00** | **3.498,70** | **2.479,70** |
| 501403556XY | MBCA 350 T4 3kW ATEX | **4.211,80** | **3.541,70** | **3.713,20** | **3.598,40** | **2.600,10** |
| 501403559XY | MBCA 350 T4 4kW ATEX | **4.585,30** | **3.790,10** | **4.104,20** | **3.859,20** | **2.756,10** |
| 501404061XY | MBCA 400 T4 5,5kW ATEX | **5.974,80** | **4.846,40** | **5.681,40** | **4.936,70** | **3.409,90** |
| 501404063XY | MBCA 400 T4 7,5kW ATEX | **6.127,70** | **5.109,40** | **5.834,20** | **5.212,70** | **3.624,60** |
| 501404563XY | MBCA 450 T4 7,5kW ATEX | **6.633,60** | **5.543,70** | **6.268,40** | **5.647,10** | **4.053,90** |
| 501404552XY | MBCA 450 T4 15kW ATEX | **8.996,60** | **7.146,70** | **8.631,50** | **7.326,10** | **5.475,70** |
| 501405052XY | MBCA 500 T4 15kW ATEX | **9.939,00** | **8.453,90** | **9.939,00** | **8.633,50** | **6.341,70** |
| 501405055XY | MBCA 500 T4 22kW ATEX | **11.619,40** | **10.074,70** | **11.619,40** | **10.335,40** | **7.271,50** |
| 501405655XY | MBCA 560 T4 22kW ATEX | **12.787,90** | **11.243,30** | **12.787,90** | **11.503,90** | **8.319,10** |
| 501405658XY | MBCA 560 T4 37kW ATEX | **17.277,70** | **14.533,80** | **17.115,00** | **14.958,90** | **10.702,40** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501403170XE | MBCA 310 T6 0,37kW ATEX | **2.885,70** | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** | **1.833,70** |
| 501403171XE | MBCA 310 T6 0,55kW ATEX | **2.959,80** | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** | **1.932,80** |
| 501403572XY | MBCA 350 T6 0,75kW ATEX | **3.708,90** | **3.132,80** | **3.306,80** | **3.168,90** | **2.375,90** |
| 501403573XY | MBCA 350 T6 1,1kW ATEX | **3.894,90** | **3.256,80** | **3.441,00** | **3.299,20** | **2.406,60** |
| 501404074XY | MBCA 400 T6 1,5kW ATEX | **4.478,60** | **3.855,70** | **4.518,70** | **3.905,40** | **2.933,20** |
| 501404078XY | MBCA 400 T6 2,2kW ATEX | **4.878,90** | **4.162,50** | **4.672,00** | **4.227,40** | **3.073,20** |
| 501404580XY | MBCA 450 T6 3kW ATEX | **6.176,50** | **5.069,00** | **5.811,30** | **5.148,60** | **3.820,60** |
| 501405083XY | MBCA 500 T6 4kW ATEX | **7.035,90** | **5.764,50** | **6.623,90** | **5.854,40** | **4.439,30** |
| 501405085XY | MBCA 500 T6 5,5kW ATEX | **7.543,40** | **6.100,50** | **7.131,60** | **6.207,20** | **4.682,10** |
| 501405687XY | MBCA 560 T6 7,5kW ATEX | **9.736,10** | **8.312,90** | **9.274,80** | **8.477,80** | **6.474,20** |
| 501405675XY | MBCA 560 T6 11kW ATEX | **10.642,50** | **9.081,50** | **10.642,50** | **9.261,70** | **6.792,50** |
| 501406375XY | MBCA 630 T6 11kW ATEX | **11.754,70** | **9.683,40** | **11.244,20** | **9.863,70** | **7.853,10** |
| 501406377XY | MBCA 630 T6 18,5kW ATEX | **14.819,20** | **12.673,30** | **14.308,70** | **13.003,10** | **9.532,70** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# MBRM ATEX



ErP Exempt

60 +info Hz

Ex

## CENTRIFUGAL FAN, FOR CLEAN OR DUSTY AIR IN ATEX ENVIRONMENT

### MANUFACTURING FEATURES

- Rolling Fe360 steel sheet housing.
- High efficiency single inlet and backward curved impeller, made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Carcasa partida (para tamaños grandes).
- Drenaje.
- Pie frontal.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AC** pg.479
Connexion flange.
Brida de connexión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501802213XY | MBRM 220 T2 0,18kW ATEX | 2800 | 0,51 | 0,18 | 800 | 47 | 18 |
| 501802514XY | MBRM 251 T2 0,25kW ATEX | 2800 | 0,65 | 0,25 | 1.090 | 49 | 24 |
| 501802515XY | MBRM 252 T2 0,37kW ATEX | 2850 | 1,00 | 0,37 | 1.380 | 50 | 26 |
| 501802816XY | MBRM 281 T2 0,55kW ATEX | 2840 | 1,45 | 0,55 | 1.630 | 52 | 30 |
| 501802817XY | MBRM 282 T2 0,75kW ATEX | 2870 | 2,00 | 0,75 | 1.810 | 54 | 35 |
| 501803118XY | MBRM 311 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 2.530 | 56 | 42 |
| 501803119XY | MBRM 312 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 2.530 | 57 | 45 |
| 501803519XY | MBRM 351 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 2.170 | 54 | 66 |
| 501803527XY | MBRM 352 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 3.970 | 59 | 70 |
| 501804029XY | MBRM 401 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 5.410 | 63 | 85 |
| 501804032XY | MBRM 402 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 6.130 | 63 | 93 |
| 501804534XY | MBRM 451 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 7.930 | 66 | 115 |
| 501804536XY | MBRM 452 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 7.930 | 66 | 118 |
| 501805021XY | MBRM 501 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 10.810 | 69 | 175 |
| 501805024XY | MBRM 502 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 10.810 | 70 | 180 |
| 501805626XY | MBRM 561 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 16.210 | 72 | 220 |
| 501805628XY | MBRM 562 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 16.210 | 72 | 276 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501805045XY | MBRM 503 T4 1,1kW ATEX | 1420 | 3,3 | 1,10 | 4.690 | 55 | 100 |
| 501805046XY | MBRM 504 T4 1,5kW ATEX | 1415 | 3,8 | 1,50 | 5.410 | 56 | 106 |
| 501805654XY | MBRM 563 T4 2,2kW ATEX | 1440 | 5,8 | 2,20 | 7.210 | 58 | 128 |
| 501805656XY | MBRM 564 T4 3kW ATEX | 1420 | 6,8 | 3,00 | 7.930 | 59 | 136 |
| 501806359XY | MBRM 631 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 10.090 | 61 | 190 |
| 501806361XY | MBRM 632 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 10.810 | 63 | 205 |
| 501807163XY | MBRM 711 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 14.410 | 64 | 287 |
| 501807149XY | MBRM 712 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 18.010 | 65 | 338 |
| 501808052XY | MBRM 801 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 21.610 | 67 | 504 |
| 501808053XY | MBRM 802 T4 18,5kW ATEX | 1470 | 35,6 | 18,50 | 25.210 | 68 | 512 |
| 501809057XY | MBRM 901 T4 30kW ATEX | 1475 | 56,3 | 30,00 | 32.410 | 70 | 684 |
| 501809058XY | MBRM 902 T4 37kW ATEX | 1470 | 69,2 | 37,00 | 32.410 | 71 | 767 |
| 501810060XY | MBRM 1001 T4 45kW ATEX | 1475 | 80,7 | 45,00 | 43.210 | 72 | 963 |
| 501810062XY | MBRM 1002 T4 55kW ATEX | 1475 | 97,1 | 55,00 | 46.810 | 74 | 1081 |

### 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501808083XY | MBRM 803 T6 4kW ATEX | 960 | 9,46 | 4,00 | 14.410 | 59 | 391 |
| 501808085XY | MBRM 804 T6 5,5kW ATEX | 960 | 12,8 | 5,50 | 16.210 | 60 | 395 |
| 501809087XY | MBRM 903 T6 7,5kW ATEX | 965 | 15,2 | 7,50 | 21.610 | 62 | 511 |
| 501809075XY | MBRM 904 T6 11kW ATEX | 965 | 22,6 | 11,00 | 21.610 | 64 | 531 |
| 501810076XY | MBRM 1003 T6 15kW ATEX | 970 | 27,7 | 15,00 | 28.810 | 65 | 743 |
| 501810077XY | MBRM 1004 T6 18,5kW ATEX | 975 | 35,7 | 18,50 | 32.410 | 66 | 850 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501802213XI | MBRM 220 T2 0,18kW ATEX | * NA/ ND | * NA/ ND | * NA/ ND | * NA/ ND | 1.201,60 |
| 501802514XI | MBRM 251 T2 0,25kW ATEX | * NA/ ND | * NA/ ND | * NA/ ND | * NA/ ND | 1.341,80 |
| 501802515XY | MBRM 252 T2 0,37kW ATEX | 2.076,70 | 1.863,80 | 1.879,40 | 1.881,60 | 1.369,20 |
| 501802816XY | MBRM 281 T2 0,55kW ATEX | 2.351,30 | 2.054,40 | 2.134,30 | 2.073,10 | 1.547,30 |
| 501802817XY | MBRM 282 T2 0,75kW ATEX | 2.639,80 | 2.163,90 | 2.375,80 | 2.188,00 | 1.660,60 |
| 501803118XY | MBRM 311 T2 1,1kW ATEX | 2.880,30 | 2.372,60 | 2.583,10 | 2.399,20 | 1.829,70 |
| 501803119XY | MBRM 312 T2 1,5kW ATEX | 3.145,90 | 2.637,00 | 2.962,60 | 2.671,20 | 1.887,70 |
| 501803519XY | MBRM 351 T2 1,5kW ATEX | 3.491,70 | 2.931,00 | 3.256,50 | 2.965,30 | 2.179,20 |
| 501803527XY | MBRM 352 T2 2,2kW ATEX | 3.643,00 | 2.989,30 | 3.283,40 | 3.026,60 | 2.240,80 |
| 501804029XY | MBRM 401 T2 3kW ATEX | 4.397,70 | 3.758,70 | 4.029,90 | 3.811,60 | 2.803,70 |
| 501804032XY | MBRM 402 T2 4kW ATEX | 4.679,90 | 3.970,50 | 4.386,40 | 4.034,00 | 2.902,70 |
| 501804534XY | MBRM 451 T2 5,5kW ATEX | 6.193,50 | 5.064,50 | 5.828,50 | 5.151,90 | 3.617,00 |
| 501804536XY | MBRM 452 T2 7,5kW ATEX | 6.185,70 | 5.115,60 | 5.820,50 | 5.205,50 | 3.767,30 |
| 501805021XY | MBRM 501 T2 11kW ATEX | 8.323,60 | 7.641,70 | 8.323,60 | 7.813,70 | 5.347,20 |
| 501805024XY | MBRM 502 T2 15kW ATEX | 9.091,30 | 7.963,10 | 9.091,30 | 8.151,00 | 5.589,10 |
| 501805626XY | MBRM 561 T2 18,5kW ATEX | 10.639,00 | 9.495,00 | 10.639,00 | 9.699,00 | 7.042,50 |
| 501805628XY | MBRM 562 T2 22kW ATEX | 12.278,30 | 10.862,30 | 12.278,30 | 11.128,00 | 7.905,20 |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501805045XY | MBRM 503 T4 1,1kW ATEX | 4.804,70 | 4.232,30 | 4.314,00 | 4.268,00 | 3.320,50 |
| 501805046XY | MBRM 504 T4 1,5kW ATEX | 4.938,90 | 4.319,90 | 4.402,10 | 4.360,10 | 3.388,70 |
| 501805654XY | MBRM 563 T4 2,2kW ATEX | 6.639,60 | 5.810,90 | 5.989,10 | 5.862,80 | 4.688,40 |
| 501805656XY | MBRM 564 T4 3kW ATEX | 6.743,60 | 5.905,80 | 6.077,30 | 5.962,50 | 4.808,70 |
| 501806359XY | MBRM 631 T4 4kW ATEX | 8.059,40 | 7.047,00 | 7.361,20 | 7.116,00 | 5.855,10 |
| 501806361XY | MBRM 632 T4 5,5kW ATEX | 8.996,00 | 7.650,70 | 8.485,50 | 7.740,80 | 6.105,60 |
| 501807163XY | MBRM 711 T4 7,5kW ATEX | 9.922,80 | 9.197,90 | 9.922,80 | 9.301,20 | 7.799,50 |
| 501807149XY | MBRM 712 T4 11kW ATEX | 11.461,40 | 10.400,50 | 11.461,40 | 10.564,00 | 8.824,60 |
| 501808052XY | MBRM 801 T4 15kW ATEX | 13.432,70 | 11.947,80 | 13.432,70 | 12.127,30 | 10.338,60 |
| 501808053XY | MBRM 802 T4 18,5kW ATEX | 14.435,30 | 13.037,60 | 14.435,30 | 13.271,70 | 11.041,90 |
| 501809057XY | MBRM 901 T4 30kW ATEX | 19.493,80 | 17.872,30 | 19.493,80 | 18.229,30 | 14.729,90 |
| 501809058XY | MBRM 902 T4 37kW ATEX | 21.815,80 | 19.234,60 | 21.815,80 | 19.659,70 | 15.864,50 |
| 501810060XY | MBRM 1001 T4 45kW ATEX | 25.238,30 | 22.050,30 | 25.238,30 | 22.507,90 | 18.682,30 |
| 501810062XY | MBRM 1002 T4 55kW ATEX | 28.373,60 | 24.237,00 | 28.373,60 | 24.803,90 | 20.280,90 |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501808083XY | MBRM 803 T6 4kW ATEX | 11.013,20 | 10.153,60 | 11.013,20 | 10.243,50 | 8.919,70 |
| 501808085XY | MBRM 804 T6 5,5kW ATEX | 11.520,70 | 10.489,60 | 11.520,70 | 10.596,30 | 9.162,50 |
| 501809087XY | MBRM 903 T6 7,5kW ATEX | 14.829,00 | 13.867,20 | 14.829,00 | 14.032,10 | 12.191,20 |
| 501809075XY | MBRM 904 T6 11kW ATEX | 15.735,40 | 14.174,60 | 15.735,40 | 14.354,70 | 12.509,50 |
| 501810076XY | MBRM 1003 T6 15kW ATEX | 19.629,60 | 18.033,40 | 19.629,60 | 18.290,10 | 15.435,60 |
| 501810077XY | MBRM 1004 T6 18,5kW ATEX | 21.128,80 | 19.493,40 | 21.128,80 | 19.823,10 | 16.298,60 |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor /
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE
* ND-NO DISPONIBLE.

# MBRU ATEX



ErP Exempt

60 +info Hz

Ex

## BACKWARD IMPELLER, DUSTY AIR, LARGE PRESSURES IN ATEX ENVIRONMENTS

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- High efficiency single inlet and backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180.LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AC** pg.479
Connexion flange.
Brida de connexión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501902515XY | MBRU 250 T2 0,37kW ATEX | 2850 | 1,00 | 0,37 | 1.225 | 49 | 28 |
| 501902816XY | MBRU 280 T2 0,55kW ATEX | 2840 | 1,45 | 0,55 | 1.620 | 50 | 30 |
| 501903118XY | MBRU 310 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 2.520 | 51 | 42 |
| 501903527XY | MBRU 350 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 3.240 | 54 | 62 |
| 501904032XY | MBRU 400 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 4.680 | 57 | 90 |
| 501904536XY | MBRU 450 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 10.520 | 62 | 115 |
| 501905021XY | MBRU 501 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 10.800 | 62 | 175 |
| 501905624XY | MBRU 561 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 14.400 | 65 | 217 |
| 501905626XY | MBRU 562 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 16.000 | 64 | 228 |
| 501906330XY | MBRU 631 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 25.200 | 71 | 438 |
| 501906331XY | MBRU 632 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 28.800 | 70 | 443 |
| 501907135XY | MBRU 711 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 25.200 | 71 | 625 |
| 501907137XY | MBRU 712 T2 75kW ATEX | 2975 | 130,00 | 75,00 | 39.600 | 73 | 760 |
| 501908038XY | MBRU 801 T2 90kW ATEX | 2975 | 156,00 | 90,00 | 32.400 | 71 | 904 |
| 501908022XY | MBRU 802 T2 110kW ATEX | 2980 | 188,00 | 110,00 | 39.600 | 75 | 1046 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501905045XY | MBRU 502 T4 1,1kW ATEX | 1420 | 3,3 | 1,10 | 3.960 | 51 | 100 |
| 501905654XY | MBRU 563 T4 2,2kW ATEX | 1440 | 5,8 | 2,20 | 7.200 | 53 | 143 |
| 501906359XY | MBRU 633 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 12.600 | 55 | 190 |
| 501907161XY | MBRU 713 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 10.800 | 55 | 275 |
| 501907163XY | MBRU 714 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 16.200 | 59 | 288 |
| 501908049XY | MBRU 803 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 18.000 | 58 | 418 |
| 501908052XY | MBRU 804 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 28.800 | 62 | 432 |
| 501909053XY | MBRU 901 T4 18,5kW ATEX | 1470 | 35,6 | 18,50 | 19.800 | 58 | 590 |
| 501909057XY | MBRU 902 T4 30kW ATEX | 1475 | 56,3 | 30,00 | 36.000 | 64 | 687 |
| 501910058XY | MBRU 1001 T4 37kW ATEX | 1470 | 69,2 | 37,00 | 43.200 | 66 | 933 |
| 501910060XY | MBRU 1002 T4 45kW ATEX | 1475 | 80,7 | 45,00 | 46.800 | 66 | 975 |
| 501908083XY | MBRU 805 T6 4kW ATEX | 960 | 9,46 | 4,00 | 16.200 | 54 | 390 |
| 501909087XY | MBRU 903 T6 7,5kW ATEX | 965 | 15,2 | 7,50 | 25.200 | 55 | 504 |
| 501910075XY | MBRU 1003 T6 11kW ATEX | 965 | 22,6 | 11,00 | 28.800 | 58 | 684 |
| 501910076XY | MBRU 1004 T6 15kW ATEX | 970 | 27,7 | 15,00 | 32.400 | 58 | 759 |

### 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501908083XY | MBRU 805 T6 4kW ATEX | 960 | 9,46 | 4,00 | 16.200 | 54 | 390 |
| 501909087XY | MBRU 903 T6 7,5kW ATEX | 965 | 15,2 | 7,50 | 25.200 | 55 | 504 |
| 501910075XY | MBRU 1003 T6 11kW ATEX | 965 | 22,6 | 11,00 | 28.800 | 58 | 684 |
| 501910076XY | MBRU 1004 T6 15kW ATEX | 970 | 27,7 | 15,00 | 32.400 | 58 | 759 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501902515XY | MBRU 250 T2 0,37kW ATEX | **2.113,80** | **1.900,80** | **1.916,40** | **1.918,60** | **1.406,20** |
| 501902816XY | MBRU 280 T2 0,55kW ATEX | **2.388,20** | **2.091,40** | **2.171,20** | **2.110,10** | **1.584,30** |
| 501903118XY | MBRU 310 T2 1,1kW ATEX | **2.922,30** | **2.414,50** | **2.625,00** | **2.441,10** | **1.871,60** |
| 501903527XY | MBRU 350 T2 2,2kW ATEX | **3.702,10** | **3.048,60** | **3.342,60** | **3.085,80** | **2.299,90** |
| 501904032XY | MBRU 400 T2 4kW ATEX | **4.813,10** | **4.103,70** | **4.519,60** | **4.167,30** | **3.035,80** |
| 501904536XY | MBRU 450 T2 7,5kW ATEX | **6.360,80** | **5.290,70** | **5.995,70** | **5.380,60** | **3.942,50** |
| 501905021XY | MBRU 501 T2 11kW ATEX | **8.530,80** | **7.849,00** | **8.530,80** | **8.020,80** | **5.554,30** |
| 501905624XY | MBRU 561 T2 15kW ATEX | **10.605,20** | **9.477,00** | **10.605,20** | **9.664,90** | **6.982,10** |
| 501905626XY | MBRU 562 T2 18,5kW ATEX | **10.942,40** | **9.798,30** | **10.942,40** | **10.002,30** | **7.345,80** |
| 501906330XY | MBRU 631 T2 30kW ATEX | **15.851,10** | **13.719,60** | **15.851,10** | **14.051,10** | **10.257,90** |
| 501906331XY | MBRU 632 T2 37kW ATEX | **17.066,50** | **14.250,60** | **17.066,50** | **14.608,60** | **10.751,00** |
| 501907135XY | MBRU 711 T2 55kW ATEX | **23.937,10** | **19.330,00** | **23.937,10** | **19.855,40** | **16.092,30** |
| 501907137XY | MBRU 712 T2 75kW ATEX | **44.058,70** | **28.889,10** | *** NA/ ND** | *** NA/ ND** | **20.754,40** |
| 501908038XY | MBRU 801 T2 90kW ATEX | **51.528,10** | **34.887,50** | *** NA/ ND** | *** NA/ ND** | **23.812,40** |
| 501908022XY | MBRU 802 T2 110kW ATEX | **63.951,10** | **39.933,70** | *** NA/ ND** | *** NA/ ND** | **31.193,20** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501905045XY | MBRU 502 T4 1,1kW ATEX | **5.041,50** | **4.619,40** | **4.701,10** | **4.655,20** | **3.527,70** |
| 501905654XY | MBRU 563 T4 2,2kW ATEX | **6.942,90** | **6.294,20** | **6.472,50** | **6.346,20** | **4.991,80** |
| 501906359XY | MBRU 633 T4 4kW ATEX | **8.451,40** | **7.439,10** | **7.753,40** | **7.508,10** | **6.247,30** |
| 501907161XY | MBRU 713 T4 5,5kW ATEX | **10.273,00** | **9.438,20** | **10.273,00** | **9.528,40** | **8.088,00** |
| 501907163XY | MBRU 714 T4 7,5kW ATEX | **10.425,90** | **9.701,20** | **10.425,90** | **9.804,50** | **8.302,50** |
| 501908049XY | MBRU 803 T4 11kW ATEX | **13.535,70** | **12.474,90** | **13.535,70** | **12.638,30** | **10.869,40** |
| 501908052XY | MBRU 804 T4 15kW ATEX | **14.281,30** | **12.796,20** | **14.281,30** | **12.975,80** | **11.187,10** |
| 501909053XY | MBRU 901 T4 18,5kW ATEX | **17.901,10** | **16.503,40** | **17.901,10** | **16.737,30** | **14.507,60** |
| 501909057XY | MBRU 902 T4 30kW ATEX | **20.746,80** | **19.125,30** | **20.746,80** | **19.482,20** | **15.982,90** |
| 501910058XY | MBRU 1001 T4 37kW ATEX | **25.331,00** | **22.749,80** | **25.331,00** | **23.174,90** | **19.322,90** |
| 501910060XY | MBRU 1002 T4 45kW ATEX | **26.587,30** | **23.399,50** | **26.587,30** | **23.857,00** | **20.031,40** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501908083XY | MBRU 805 T6 4kW ATEX | **11.861,50** | **11.002,20** | **11.861,50** | **11.091,80** | **9.768,10** |
| 501909087XY | MBRU 903 T6 7,5kW ATEX | **16.081,90** | **15.120,10** | **16.081,90** | **15.285,00** | **13.444,10** |
| 501910075XY | MBRU 1003 T6 11kW ATEX | **19.250,60** | **17.689,80** | **19.250,60** | **17.869,90** | **15.967,90** |
| 501910076XY | MBRU 1004 T6 15kW ATEX | **20.816,00** | **19.219,60** | **20.816,00** | **19.476,40** | **16.784,70** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# MBGR ATEX



ErP Exempt

60 +info Hz

Ex

## BACKWARD IMPELLER, DUSTY AIR, LARGE PRESSURES IN ATEX ENVIRONMENTS

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- Single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Transport of dusty air or with light load of granulated materials without passing inside the fan.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO, PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar RD270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Transporte de aire polvoriento o con ligera carga de materiales granulados sin pasar por el interior del ventilador.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AC** pg.479
Connexion flange.
Brida de connexión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**RI** pg.457
Outlet guard.
Reja impulsión.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502004027XY | MBGR 401 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 2.890 | 56 | 73 |
| 502004029XY | MBGR 402 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 3.610 | 59 | 81 |
| 502004532XY | MBGR 451 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 4.330 | 62 | 107 |
| 502004534XY | MBGR 452 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 5.410 | 66 | 136 |
| 502005036XY | MBGR 501 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 7.210 | 71 | 145 |
| 502005021XY | MBGR 502 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 8.650 | 72 | 210 |
| 502005621XY | MBGR 561 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 8.650 | 70 | 227 |
| 502005624XY | MBGR 562 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 12.610 | 74 | 240 |
| 502006328XY | MBGR 631 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 14.410 | 77 | 315 |
| 502006330XY | MBGR 632 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 18.010 | 78 | 400 |
| 502007131XY | MBGR 711 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 19.810 | 81 | 492 |
| 502007133XY | MBGR 712 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 21.610 | 82 | 602 |
| 502008037XY | MBGR 801 T2 75kW ATEX | 2975 | 130,00 | 75,00 | 28.810 | 84 | 800 |
| 502008038XY | MBGR 802 T2 90kW ATEX | 2975 | 156,00 | 90,00 | 36.010 | 85 | 860 |
| 502009023XY | MBGR 901 T2 132kW ATEX | 2980 | 223,00 | 132,00 | 36.010 | 89 | 1065 |
| 502009025XY | MBGR 902 T2 160kW ATEX | 2980 | 269,00 | 160,00 | 46.810 | 92 | 1090 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502005646XY | MBGR 563 T4 1,5kW ATEX | 1415 | 3,8 | 1,50 | 4.690 | 53 | 165 |
| 502005654XY | MBGR 564 T4 2,2kW ATEX | 1440 | 5,8 | 2,20 | 5.410 | 56 | 169 |
| 502006356XY | MBGR 633 T4 3kW ATEX | 1420 | 6,8 | 3,00 | 6.130 | 58 | 180 |
| 502006359XY | MBGR 634 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 7.930 | 59 | 190 |
| 502007159XY | MBGR 713 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 9.370 | 62 | 249 |
| 502007161XY | MBGR 714 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 10.810 | 65 | 272 |
| 502008063XY | MBGR 803 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 10.810 | 65 | 370 |
| 502008049XY | MBGR 804 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 18.010 | 69 | 415 |
| 502009052XY | MBGR 903 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 19.810 | 67 | 495 |
| 502009055XY | MBGR 904 T4 22kW ATEX | 1465 | 40,1 | 22,00 | 25.210 | 73 | 576 |
| 502010057XY | MBGR 1001 T4 30kW ATEX | 1475 | 56,3 | 30,00 | 28.810 | 75 | 794 |
| 502010058XY | MBGR 1002 T4 37kW ATEX | 1470 | 69,2 | 37,00 | 36.010 | 77 | 893 |
| 502009083XY | MBGR 905 T6 4kW ATEX | 960 | 9,46 | 4,00 | 10.810 | 55 | 441 |
| 502009085XY | MBGR 906 T6 5,5kW ATEX | 960 | 12,8 | 5,50 | 14.410 | 57 | 450 |
| 502010087XY | MBGR 1003 T6 7,5kW ATEX | 965 | 15,2 | 7,50 | 18.010 | 62 | 613 |
| 502010075XY | MBGR 1004 T6 11kW ATEX | 965 | 22,6 | 11,00 | 21.610 | 67 | 626 |

### 6 pole | 6 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502009083XY | MBGR 905 T6 4kW ATEX | 960 | 9,46 | 4,00 | 10.810 | 55 | 441 |
| 502009085XY | MBGR 906 T6 5,5kW ATEX | 960 | 12,8 | 5,50 | 14.410 | 57 | 450 |
| 502010087XY | MBGR 1003 T6 7,5kW ATEX | 965 | 15,2 | 7,50 | 18.010 | 62 | 613 |
| 502010075XY | MBGR 1004 T6 11kW ATEX | 965 | 22,6 | 11,00 | 21.610 | 67 | 626 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502004027XY | MBGR 401 T2 2,2kW ATEX | 4.261,00 | 3.607,40 | 3.901,40 | 3.644,60 | 2.809,40 |
| 502004029XY | MBGR 402 T2 3kW ATEX | 4.560,50 | 3.921,50 | 4.192,90 | 3.974,40 | 2.966,50 |
| 502004532XY | MBGR 451 T2 4kW ATEX | 5.338,60 | 4.557,70 | 4.973,60 | 4.621,30 | 3.485,00 |
| 502004534XY | MBGR 452 T2 5,5kW ATEX | 6.341,50 | 5.212,50 | 5.976,50 | 5.299,70 | 3.765,00 |
| 502005036XY | MBGR 501 T2 7,5kW ATEX | 6.790,10 | 5.673,20 | 6.378,20 | 5.763,10 | 4.295,30 |
| 502005021XY | MBGR 502 T2 11kW ATEX | 8.503,70 | 7.821,70 | 8.503,70 | 7.993,70 | 5.527,20 |
| 502005621XY | MBGR 561 T2 11kW ATEX | 9.590,80 | 8.908,90 | 9.590,80 | 9.080,80 | 6.493,50 |
| 502005624XY | MBGR 562 T2 15kW ATEX | 10.358,50 | 9.230,30 | 10.358,50 | 9.418,30 | 6.735,30 |
| 502006328XY | MBGR 631 T2 22kW ATEX | 13.706,40 | 12.290,10 | 13.706,40 | 12.556,10 | 9.222,20 |
| 502006330XY | MBGR 632 T2 30kW ATEX | 15.897,90 | 13.766,40 | 15.897,90 | 14.097,90 | 10.304,80 |
| 502007131XY | MBGR 711 T2 37kW ATEX | 18.673,90 | 15.857,90 | 18.673,90 | 16.215,90 | 13.063,90 |
| 502007133XY | MBGR 712 T2 45kW ATEX | 20.291,30 | 17.786,10 | 20.291,30 | 18.240,60 | 14.355,20 |
| 502008037XY | MBGR 801 T2 75kW ATEX | 45.918,40 | 30.748,90 | * NA/ ND | * NA/ ND | 22.473,50 |
| 502008038XY | MBGR 802 T2 90kW ATEX | 51.340,60 | 34.700,10 | * NA/ ND | * NA/ ND | 23.624,80 |
| 502009023XY | MBGR 901 T2 132kW ATEX | 78.601,70 | 48.109,20 | * NA/ ND | * NA/ ND | 36.786,00 |
| 502009025XY | MBGR 902 T2 160kW ATEX | 93.659,80 | 56.391,10 | * NA/ ND | * NA/ ND | 37.726,90 |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502005646XY | MBGR 563 T4 1,5kW ATEX | 6.302,20 | 5.814,00 | 5.896,20 | 5.854,20 | 4.631,20 |
| 502005654XY | MBGR 564 T4 2,2kW ATEX | 6.696,30 | 6.047,70 | 6.225,90 | 6.099,50 | 4.745,10 |
| 502006356XY | MBGR 633 T4 3kW ATEX | 8.124,80 | 7.417,70 | 7.589,20 | 7.474,40 | 6.138,10 |
| 502006359XY | MBGR 634 T4 4kW ATEX | 8.498,40 | 7.666,00 | 7.980,40 | 7.735,10 | 6.294,10 |
| 502007159XY | MBGR 713 T4 4kW ATEX | 9.210,50 | 8.708,70 | 9.022,90 | 8.777,80 | 7.711,70 |
| 502007161XY | MBGR 714 T4 5,5kW ATEX | 10.147,30 | 9.312,40 | 10.147,30 | 9.402,60 | 7.962,20 |
| 502008063XY | MBGR 803 T4 7,5kW ATEX | 11.809,80 | 11.084,80 | 11.809,80 | 11.188,20 | 9.656,70 |
| 502008049XY | MBGR 804 T4 11kW ATEX | 13.348,20 | 12.287,40 | 13.348,20 | 12.451,00 | 10.682,00 |
| 502009052XY | MBGR 903 T4 15kW ATEX | 16.321,30 | 14.836,40 | 16.321,30 | 15.016,00 | 13.227,20 |
| 502009055XY | MBGR 904 T4 22kW ATEX | 18.001,80 | 16.457,10 | 18.001,80 | 16.717,70 | 14.156,90 |
| 502010057XY | MBGR 1001 T4 30kW ATEX | 22.143,30 | 20.521,70 | 22.143,30 | 20.878,80 | 17.322,80 |
| 502010058XY | MBGR 1002 T4 37kW ATEX | 24.465,40 | 21.884,10 | 24.465,40 | 22.309,20 | 18.457,20 |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502009083XY | MBGR 905 T6 4kW ATEX | 13.901,70 | 13.042,20 | 13.901,70 | 13.132,10 | 11.808,30 |
| 502009085XY | MBGR 906 T6 5,5kW ATEX | 14.409,30 | 13.378,20 | 14.409,30 | 13.484,90 | 12.050,90 |
| 502010087XY | MBGR 1003 T6 7,5kW ATEX | 17.478,60 | 16.516,50 | 17.478,60 | 16.681,50 | 14.783,90 |
| 502010075XY | MBGR 1004 T6 11kW ATEX | 18.384,90 | 16.824,00 | 18.384,90 | 17.004,30 | 15.102,20 |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# MBZM P/R ATEX



ErP Exempt | 60 +info Hz | Ex

## CENTRIFUGAL FAN FOR SOLID MATERIAL TRANSPORT IN ATEX ENVIRONMENT

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
- Simple inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
  Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- ATEX asynchronous squirrel-cage motor ATEX certified according to the zone. and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- For pneumatic transport of solid materials mixed with air, sawdust and wood chips; also filamentary materials.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR CENTRÍFUGO PARA TRANSPORTE DE MATERIAL SÓLIDO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala recta y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor ATEX asíncrono normalizado. Certificado según zona indicada, de jaula de ardilla con aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Para transporte neumático de materiales solidos mezclados con aire, serrín y virutas de madera; también para materiales filamentosos.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**AC** pg.479
Connexion flange.
Brida de connexión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501502215XY | MBZM 220 T2 0,37kW P/R ATEX | 2850 | 1,00 | 0,37 | 870 | 51 | 20 |
| 501502516XY | MBZM 251 T2 0,55kW P/R ATEX | 2840 | 1,45 | 0,55 | 1.090 | 55 | 25 |
| 501502517XY | MBZM 252 T2 0,75kW P/R ATEX | 2870 | 2,00 | 0,75 | 1.230 | 56 | 30 |
| 501502818XY | MBZM 281 T2 1,1kW P/R ATEX | 2830 | 2,6 | 1,10 | 1.380 | 57 | 33 |
| 501502819XY | MBZM 282 T2 1,5kW P/R ATEX | 2850 | 3,95 | 1,50 | 1.810 | 59 | 37 |
| 501503119XY | MBZM 311 T2 1,5kW P/R ATEX | 2850 | 3,95 | 1,50 | 1.630 | 58 | 43 |
| 501503127XY | MBZM 312 T2 2,2kW P/R ATEX | 2840 | 5,4 | 2,20 | 2.170 | 61 | 47 |
| 501503529XY | MBZM 351 T2 3kW P/R ATEX | 2900 | 7,3 | 3,00 | 2.530 | 63 | 63 |
| 501503532XY | MBZM 352 T2 4kW P/R ATEX | 2910 | 9,2 | 4,00 | 3.610 | 65 | 72 |
| 501504034XY | MBZM 401 T2 5,5kW P/R ATEX | 2910 | 11,46 | 5,50 | 4.330 | 67 | 101 |
| 501504036XY | MBZM 402 T2 7,5kW P/R ATEX | 2910 | 14,1 | 7,50 | 5.410 | 68 | 106 |
| 501504521XY | MBZM 452 T2 11kW P/R ATEX | 2940 | 21,4 | 11,00 | 7.210 | 71 | 155 |
| 501505024XY | MBZM 501 T2 15kW P/R ATEX | 2935 | 27,4 | 15,00 | 9.010 | 73 | 180 |
| 501505028XY | MBZM 502 T2 22kW P/R ATEX | 2940 | 39,8 | 22,00 | 10.810 | 74 | 250 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 501504546XY | MBZM 454 T4 1,5kW P/R ATEX | 1415 | 3,8 | 1,50 | 3.610 | 57 | 85 |
| 501505054XY | MBZM 503 T4 2,2kW P/R ATEX | 1440 | 5,8 | 2,20 | 4.690 | 56 | 112 |
| 501505056XY | MBZM 504 T4 3kW P/R ATEX | 1420 | 6,8 | 3,00 | 5.410 | 60 | 117 |
| 501505659XY | MBZM 561 T4 4kW P/R ATEX | 1450 | 9,1 | 4,00 | 6.130 | 61 | 156 |
| 501505661XY | MBZM 562 T4 5,5kW P/R ATEX | 1455 | 11,5 | 5,50 | 7.210 | 63 | 177 |
| 501506363XY | MBZM 631 T4 7,5kW P/R ATEX | 1448 | 15,6 | 7,50 | 7.930 | 64 | 202 |
| 501506349XY | MBZM 632 T4 11kW P/R ATEX | 1460 | 20,9 | 11,00 | 10.090 | 66 | 250 |
| 501507149XY | MBZM 711 T4 11kW P/R ATEX | 1460 | 20,9 | 11,00 | 12.610 | 68 | 358 |
| 501507152XY | MBZM 712 T4 15kW P/R ATEX | 1465 | 29,8 | 15,00 | 12.610 | 68 | 370 |
| 501508053XY | MBZM 801 T4 18,5kW P/R ATEX | 1470 | 35,6 | 18,50 | 19.810 | 70 | 526 |
| 501508057XY | MBZM 802 T4 30kW P/R ATEX | 1475 | 56,3 | 30,00 | 21.610 | 72 | 639 |
| 501509058XY | MBZM 901 T4 37kW P/R ATEX | 1470 | 69,2 | 37,00 | 28.810 | 74 | 782 |
| 501509060XY | MBZM 902 T4 45kW P/R ATEX | 1475 | 80,7 | 45,00 | 28.810 | 75 | 817 |
| 501510062XY | MBZM 1001 T4 55kW P/R ATEX | 1475 | 97,1 | 55,00 | 36.010 | 76 | 1083 |
| 501510064XY | MBZM 1002 T4 75kW P/R ATEX | 1485 | 133,00 | 75,00 | 42.130 | 77 | 1227 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501502215XY | MBZM 220 T2 0,37kW P/R ATEX | **1.923,00** | **1.732,20** | **1.748,00** | **1.750,20** | **1.240,00** |
| 501502516XY | MBZM 251 T2 0,55kW P/R ATEX | **2.153,10** | **1.876,00** | **1.955,80** | **1.894,50** | **1.386,20** |
| 501502517XY | MBZM 252 T2 0,75kW P/R ATEX | **2.441,60** | **1.985,50** | **2.197,30** | **2.009,60** | **1.499,40** |
| 501502818XY | MBZM 281 T2 1,1kW P/R ATEX | **2.693,20** | **2.210,10** | **2.420,70** | **2.236,70** | **1.679,50** |
| 501502819XY | MBZM 282 T2 1,5kW P/R ATEX | **2.958,60** | **2.363,50** | **2.689,00** | **2.397,90** | **1.737,60** |
| 501503119XY | MBZM 311 T2 1,5kW P/R ATEX | **3.140,90** | **2.631,90** | **2.957,70** | **2.666,30** | **1.882,80** |
| 501503127XY | MBZM 312 T2 2,2kW P/R ATEX | **3.292,20** | **2.690,50** | **2.984,40** | **2.727,70** | **1.944,20** |
| 501503529XY | MBZM 351 T2 3kW P/R ATEX | **3.932,60** | **3.293,60** | **3.565,00** | **3.346,50** | **2.387,90** |
| 501503532XY | MBZM 352 T2 4kW P/R ATEX | **4.214,80** | **3.505,30** | **3.921,30** | **3.568,90** | **2.486,90** |
| 501504034XY | MBZM 401 T2 5,5kW P/R ATEX | **5.672,90** | **4.615,30** | **5.379,30** | **4.702,70** | **3.172,80** |
| 501504036XY | MBZM 402 T2 7,5kW P/R ATEX | **5.664,90** | **4.666,40** | **5.371,50** | **4.756,30** | **3.323,10** |
| 501504521XY | MBZM 452 T2 11kW P/R ATEX | **7.847,30** | **7.165,50** | **7.847,30** | **7.337,50** | **4.947,30** |
| 501505024XY | MBZM 501 T2 15kW P/R ATEX | **9.064,10** | **7.935,90** | **9.064,10** | **8.123,90** | **5.562,00** |
| 501505028XY | MBZM 502 T2 22kW P/R ATEX | **10.910,10** | **9.493,80** | **10.910,10** | **9.759,70** | **6.657,80** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 501504546XY | MBZM 454 T4 1,5kW P/R ATEX | **4.479,80** | **4.087,80** | **4.170,10** | **4.128,00** | **3.006,30** |
| 501505054XY | MBZM 503 T4 2,2kW P/R ATEX | **5.305,80** | **4.706,50** | **4.884,70** | **4.758,30** | **3.475,50** |
| 501505056XY | MBZM 504 T4 3kW P/R ATEX | **5.409,80** | **4.801,50** | **4.972,90** | **4.858,10** | **3.595,80** |
| 501505659XY | MBZM 561 T4 4kW P/R ATEX | **7.119,60** | **6.156,70** | **6.470,80** | **6.225,70** | **4.967,30** |
| 501505661XY | MBZM 562 T4 5,5kW P/R ATEX | **8.056,30** | **6.580,30** | **7.415,10** | **6.670,40** | **5.217,80** |
| 501506363XY | MBZM 631 T4 7,5kW P/R ATEX | **9.067,60** | **7.832,20** | **8.557,00** | **7.935,50** | **6.238,90** |
| 501506349XY | MBZM 632 T4 11kW P/R ATEX | **10.606,10** | **9.545,30** | **10.606,10** | **9.708,80** | **7.264,00** |
| 501507149XY | MBZM 711 T4 11kW P/R ATEX | **11.227,00** | **10.166,30** | **11.227,00** | **10.329,70** | **8.590,20** |
| 501507152XY | MBZM 712 T4 15kW P/R ATEX | **11.972,60** | **10.487,60** | **11.972,60** | **10.667,20** | **8.908,00** |
| 501508053XY | MBZM 801 T4 18,5kW P/R ATEX | **14.233,10** | **12.835,40** | **14.233,10** | **13.069,50** | **10.839,60** |
| 501508057XY | MBZM 802 T4 30kW P/R ATEX | **17.078,90** | **15.457,30** | **17.078,90** | **15.814,20** | **12.314,90** |
| 501509058XY | MBZM 901 T4 37kW P/R ATEX | **21.591,50** | **19.010,20** | **21.591,50** | **19.435,20** | **15.598,10** |
| 501509060XY | MBZM 902 T4 45kW P/R ATEX | **22.847,80** | **19.659,90** | **22.847,80** | **20.117,40** | **16.306,60** |
| 501510062XY | MBZM 1001 T4 55kW P/R ATEX | **27.882,90** | **23.746,20** | **27.882,90** | **24.313,10** | **19.790,10** |
| 501510064XY | MBZM 1002 T4 75kW P/R ATEX | **47.549,90** | **32.754,40** | *** NA/ ND** | *** NA/ ND** | **25.250,00** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAVA ATEX



ErP Exempt

60 +Info Hz

Ex

## HIGH PRESSURE FAN FOR CLEAR AIR IN ATEX ENVIRONMENTS

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502403114XY | AAVA 310/P T2 0,25kW ATEX | 2800 | 0,65 | 0,25 | 120 | 58 | 29 |
| 502403515XY | AAVA 350/P T2 0,37kW ATEX | 2850 | 1,00 | 0,37 | 190 | 59 | 33 |
| 502404016XY | AAVA 400/P T2 0,55kW ATEX | 2840 | 1,45 | 0,55 | 260 | 62 | 44 |
| 502404517XY | AAVA 450/P T2 0,75kW ATEX | 2870 | 2,00 | 0,75 | 330 | 64 | 46 |
| 502405018XY | AAVA 500/P T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 330 | 66 | 51 |
| 502405619XY | AAVA 560/P T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 370 | 68 | 89 |
| 502406319XY | AAVA 631/P T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 330 | 69 | 116 |
| 502406327XY | AAVA 632/P T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 400 | 70 | 119 |
| 502407129XY | AAVA 711/P T2 3kW ATEX | 2900 | 7,3 | 3,00 | 480 | 72 | 149 |
| 502407132XY | AAVA 712/P T2 4kW ATEX | 2910 | 9,2 | 4,00 | 550 | 73 | 168 |
| 502408032XY | AAVA 801/P T2 4kW ATEX | 2910 | 9,2 | 4,00 | 480 | 75 | 195 |
| 502408034XY | AAVA 802/P T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 550 | 77 | 197 |
| 502408036XY | AAVA 803/P T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 730 | 79 | 197 |
| 502409021XY | AAVA 901/P T2 11kW ATEX | 2940 | 21,4 | 11,00 | 870 | 81 | 330 |
| 502409024XY | AAVA 902/P T2 15kW ATEX | 2935 | 27,4 | 15,00 | 1.230 | 83 | 390 |
| 502410026XY | AAVA 1001/P T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 1.450 | 85 | 442 |
| 502410028XY | AAVA 1002/P T2 22kW ATEX | 2940 | 39,8 | 22,00 | 1.640 | 87 | 501 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502403114XI | AAVA 310/P T2 0,25kW ATEX | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** | *** NA/ ND** | **1.981,20** |
| 502403515XY | AAVA 350/P T2 0,37kW ATEX | **2.613,10** | **2.597,50** | **2.613,10** | **2.615,30** | **2.073,20** |
| 502404016XY | AAVA 400/P T2 0,55kW ATEX | **3.036,10** | **2.956,20** | **3.036,10** | **2.974,90** | **2.404,80** |
| 502404517XY | AAVA 450/P T2 0,75kW ATEX | **3.564,10** | **3.305,20** | **3.517,20** | **3.329,30** | **2.755,00** |
| 502405018XY | AAVA 500/P T2 1,1kW ATEX | **3.807,60** | **3.541,60** | **3.752,20** | **3.568,20** | **2.961,70** |
| 502405619XY | AAVA 560/P T2 1,5kW ATEX | **4.871,70** | **4.604,50** | **4.930,10** | **4.638,90** | **3.744,20** |
| 502406319XY | AAVA 631/P T2 1,5kW ATEX | **5.202,20** | **4.935,00** | **5.260,50** | **4.969,30** | **4.074,80** |
| 502406327XY | AAVA 632/P T2 2,2kW ATEX | **5.353,50** | **4.993,30** | **5.287,40** | **5.030,60** | **4.136,20** |
| 502407129XY | AAVA 711/P T2 3kW ATEX | **6.498,30** | **6.152,90** | **6.424,10** | **6.205,70** | **5.091,80** |
| 502407132XY | AAVA 712/P T2 4kW ATEX | **6.780,50** | **6.364,60** | **6.780,50** | **6.428,10** | **5.190,70** |
| 502408032XY | AAVA 801/P T2 4kW ATEX | **7.841,20** | **7.425,40** | **7.841,20** | **7.488,90** | **6.219,40** |
| 502408034XY | AAVA 802/P T2 5,5kW ATEX | **8.844,00** | **8.080,00** | **8.844,00** | **8.167,40** | **6.499,40** |
| 502408036XY | AAVA 803/P T2 7,5kW ATEX | **8.836,20** | **8.131,10** | **8.836,20** | **8.221,00** | **6.649,60** |
| 502409021XY | AAVA 901/P T2 11kW ATEX | **12.067,00** | **11.385,10** | **12.067,00** | **11.557,00** | **9.391,40** |
| 502409024XY | AAVA 902/P T2 15kW ATEX | **12.834,70** | **11.706,40** | **12.834,70** | **11.894,40** | **9.633,30** |
| 502410026XY | AAVA 1001/P T2 18,5kW ATEX | **17.091,60** | **15.947,40** | **17.091,60** | **16.151,50** | **13.850,10** |
| 502410028XY | AAVA 1002/P T2 22kW ATEX | **18.600,30** | **17.184,10** | **18.600,30** | **17.449,90** | **14.582,20** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* **NA**-NOT AVAILABLE.
* **ND**-NO DISPONIBLE.

# AAVC/N ATEX



## HIGH PRESSURE FAN FOR CLEAN AIR IN ATEX ENVIRONMENTS

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502505019XY | AAVC/N 500 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 800 | 57 | 43 |
| 502505627XY | AAVC/N 560 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 870 | 58 | 69 |
| 502506332XY | AAVC/N 630 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 1.230 | 63 | 133 |
| 502506334XY | AAVC/N 630 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 1.630 | 63 | 143 |
| 502507136XY | AAVC/N 710 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 1.810 | 67 | 204 |
| 502507121XY | AAVC/N 710 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 2.530 | 68 | 238 |
| 502508021XY | AAVC/N 800 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 1.810 | 71 | 254 |
| 502508024XY | AAVC/N 800 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 2.890 | 72 | 254 |
| 502509026XY | AAVC/N 900 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 2.170 | 74 | 348 |
| 502509028XY | AAVC/N 900 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 3.250 | 74 | 404 |
| 502510031XY | AAVC/N 1000 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 3.610 | 78 | 577 |
| 502510033XY | AAVC/N 1000 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 6.310 | 79 | 657 |
| 507105018XY | AAVC/NR 500 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 660 | 56 | 40 |
| 507105619XY | AAVC/NR 560 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 550 | 58 | 66 |
| 507106329XY | AAVC/NR 630 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 1.090 | 61 | 118 |
| 507106332XY | AAVC/NR 630 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 1.380 | 61 | 132 |
| 507107134XY | AAVC/NR 710 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 1.450 | 66 | 200 |
| 507107136XY | AAVC/NR 710 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 1.810 | 67 | 200 |
| 507108036XY | AAVC/NR 800 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 1.230 | 70 | 214 |
| 507108021XY | AAVC/NR 800 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 2.530 | 71 | 248 |
| 507109024XY | AAVC/NR 900 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 2.170 | 73 | 333 |
| 507109026XY | AAVC/NR 900 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 3.250 | 74 | 345 |
| 507110030XY | AAVC/NR 1000 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 3.250 | 77 | 570 |
| 507110031XY | AAVC/NR 1000 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 4.510 | 78 | 570 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502505019XY | AAVC/N 500 T2 1,5kW ATEX | **4.739,10** | **4.059,90** | **4.385,40** | **4.094,30** | **3.384,70** |
| 502505627XY | AAVC/N 560 T2 2,2kW ATEX | **5.787,50** | **4.966,30** | **5.260,30** | **5.003,60** | **4.153,60** |
| 502506332XY | AAVC/N 630 T2 4kW ATEX | **6.773,80** | **6.357,90** | **6.773,80** | **6.421,40** | **5.231,00** |
| 502506334XY | AAVC/N 630 T2 5,5kW ATEX | **7.776,70** | **7.012,70** | **7.776,70** | **7.099,80** | **5.510,80** |
| 502507136XY | AAVC/N 710 T2 7,5kW ATEX | **8.596,80** | **7.891,80** | **8.596,80** | **7.981,60** | **6.484,30** |
| 502507121XY | AAVC/N 710 T2 11kW ATEX | **10.214,10** | **9.532,30** | **10.214,10** | **9.704,20** | **7.619,90** |
| 502508021XY | AAVC/N 800 T2 11kW ATEX | **11.741,00** | **11.059,00** | **11.741,00** | **11.231,00** | **9.114,70** |
| 502508024XY | AAVC/N 800 T2 15kW ATEX | **12.508,70** | **11.380,50** | **12.508,70** | **11.568,50** | **9.356,70** |
| 502509026XY | AAVC/N 900 T2 18,5kW ATEX | **14.543,30** | **13.399,20** | **14.543,30** | **13.603,20** | **11.410,40** |
| 502509028XY | AAVC/N 900 T2 22kW ATEX | **16.051,90** | **14.635,60** | **16.051,90** | **14.901,50** | **12.142,40** |
| 502510031XY | AAVC/N 1000 T2 37kW ATEX | **22.599,10** | **19.783,10** | **22.599,10** | **20.141,10** | **16.700,40** |
| 502510033XY | AAVC/N 1000 T2 45kW ATEX | **24.216,40** | **21.711,30** | **24.216,40** | **22.165,70** | **17.991,80** |
| 507105018XY | AAVC/NR 500 T2 1,1kW ATEX | **4.584,50** | **3.906,50** | **4.117,20** | **3.933,20** | **3.326,70** |
| 507105619XY | AAVC/NR 560 T2 1,5kW ATEX | **5.636,20** | **4.907,80** | **5.233,50** | **4.942,20** | **4.092,00** |
| 507106329XY | AAVC/NR 630 T2 3kW ATEX | **6.491,50** | **6.146,10** | **6.417,30** | **6.199,00** | **5.132,00** |
| 507106332XY | AAVC/NR 630 T2 4kW ATEX | **6.773,80** | **6.357,90** | **6.773,80** | **6.421,40** | **5.231,00** |
| 507107134XY | AAVC/NR 710 T2 5,5kW ATEX | **8.604,70** | **7.840,70** | **8.604,70** | **7.928,00** | **6.334,00** |
| 507107136XY | AAVC/NR 710 T2 7,5kW ATEX | **8.596,80** | **7.891,80** | **8.596,80** | **7.981,60** | **6.484,30** |
| 507108036XY | AAVC/NR 800 T2 7,5kW ATEX | **10.123,60** | **9.418,70** | **10.123,60** | **9.508,50** | **7.979,10** |
| 507108021XY | AAVC/NR 800 T2 11kW ATEX | **11.741,00** | **11.059,00** | **11.741,00** | **11.231,00** | **9.114,70** |
| 507109024XY | AAVC/NR 900 T2 15kW ATEX | **14.205,90** | **13.077,80** | **14.205,90** | **13.265,80** | **11.046,60** |
| 507109026XY | AAVC/NR 900 T2 18,5kW ATEX | **14.543,30** | **13.399,20** | **14.543,30** | **13.603,20** | **11.410,40** |
| 507110030XY | AAVC/NR 1000 T2 30kW ATEX | **21.383,70** | **19.252,10** | **21.383,70** | **19.583,60** | **16.207,30** |
| 507110031XY | AAVC/NR 1000 T2 37kW ATEX | **22.599,10** | **19.783,10** | **22.599,10** | **20.141,10** | **16.700,40** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAVP/N ATEX



ErP Exempt

60 +info Hz

Ex

## HIGH PRESSURE FAN FOR CLEAN OR SLIGHTLY DUSTY AIR IN ATEX ENVIRONMENT

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**RI** pg.457
Outlet protection guard.
Reja de protección.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
## 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502604016XY | AAVP/N 400 T2 0,55kW ATEX | 2840 | 1,45 | 0,55 | 480 | 64 | 51 |
| 502604017XY | AAVP/N 400 T2 0,75kW ATEX | 2870 | 2,00 | 0,75 | 660 | 64 | 55 |
| 502604518XY | AAVP/N 451 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 730 | 65 | 61 |
| 502604519XY | AAVP/N 452 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 870 | 66 | 67 |
| 502605027XY | AAVP/N 502 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 1.090 | 68 | 75 |
| 502605629XY | AAVP/N 562 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 1.230 | 71 | 99 |
| 502605632XY | AAVP/N 563 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 1.630 | 71 | 107 |
| 502606334XY | AAVP/N 632 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 1.630 | 74 | 145 |
| 502606336XY | AAVP/N 633 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 2.530 | 75 | 145 |
| 502607121XY | AAVP/N 712 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 2.530 | 77 | 222 |
| 502607124XY | AAVP/N 713 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 3.250 | 78 | 222 |
| 502608026XY | AAVP/N 802 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 3.610 | 80 | 280 |
| 502608028XY | AAVP/N 803 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 4.690 | 80 | 336 |
| 502609030XY | AAVP/N 902 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 3.970 | 84 | 508 |
| 502609031XY | AAVP/N 903 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 5.410 | 85 | 508 |
| 502610035XY | AAVP/N 1002 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 7.210 | 91 | 780 |
| 502610037XY | AAVP/N 1003 T2 75kW ATEX | 2975 | 130,00 | 75,00 | 9.010 | 92 | 924 |
| 507405019XY | AAVP/NR 501 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 940 | 68 | 71 |
| 507405627XY | AAVP/NR 562 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 940 | 71 | 86 |
| 507405629XY | AAVP/NR 563 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 1.380 | 71 | 98 |
| 507406332XY | AAVP/NR 632 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 1.380 | 74 | 131 |
| 507406334XY | AAVP/NR 633 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 1.810 | 75 | 143 |
| 507407136XY | AAVP/NR 711 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 1.810 | 77 | 205 |
| 507407121XY | AAVP/NR 713 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 2.890 | 78 | 218 |
| 507408024XY | AAVP/NR 802 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 3.250 | 81 | 256 |
| 507408026XY | AAVP/NR 803 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 4.330 | 81 | 268 |
| 507409028XY | AAVP/NR 902 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 3.610 | 84 | 416 |
| 507409030XY | AAVP/NR 903 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 5.410 | 84 | 442 |
| 507410033XY | AAVP/NR 1002 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 6.130 | 89 | 680 |
| 507410035XY | AAVP/NR 1003 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 7.930 | 91 | 765 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502604016XY | AAVP/N 400 T2 0,55kW ATEX | **3.228,50** | **2.855,00** | **2.935,00** | **2.873,80** | **2.315,90** |
| 502604017XY | AAVP/N 400 T2 0,75kW ATEX | **3.517,10** | **2.964,70** | **3.176,60** | **2.988,70** | **2.429,20** |
| 502604518XY | AAVP/N 451 T2 1,1kW ATEX | **3.950,40** | **3.319,40** | **3.530,00** | **3.346,00** | **2.754,30** |
| 502604519XY | AAVP/N 452 T2 1,5kW ATEX | **4.215,80** | **3.583,70** | **3.909,20** | **3.618,10** | **2.812,30** |
| 502605027XY | AAVP/N 502 T2 2,2kW ATEX | **4.878,00** | **4.106,00** | **4.400,10** | **4.143,30** | **3.322,90** |
| 502605629XY | AAVP/N 562 T2 3kW ATEX | **6.079,60** | **5.273,00** | **5.544,20** | **5.325,90** | **4.303,20** |
| 502605632XY | AAVP/N 563 T2 4kW ATEX | **6.361,90** | **5.484,70** | **5.900,60** | **5.548,20** | **4.402,20** |
| 502606334XY | AAVP/N 632 T2 5,5kW ATEX | **7.796,40** | **7.032,40** | **7.796,40** | **7.119,60** | **5.530,60** |
| 502606336XY | AAVP/N 633 T2 7,5kW ATEX | **7.788,50** | **7.083,50** | **7.788,50** | **7.173,40** | **5.680,90** |
| 502607121XY | AAVP/N 712 T2 11kW ATEX | **10.251,10** | **9.569,40** | **10.251,10** | **9.741,20** | **7.656,90** |
| 502607124XY | AAVP/N 713 T2 15kW ATEX | **11.018,80** | **9.890,60** | **11.018,80** | **10.078,60** | **7.898,80** |
| 502608026XY | AAVP/N 802 T2 18,5kW ATEX | **12.855,80** | **11.711,70** | **12.855,80** | **11.915,70** | **9.730,30** |
| 502608028XY | AAVP/N 803 T2 22kW ATEX | **14.364,50** | **12.948,20** | **14.364,50** | **13.214,00** | **10.462,40** |
| 502609030XY | AAVP/N 902 T2 30kW ATEX | **18.398,80** | **16.267,30** | **18.398,80** | **16.598,80** | **13.321,10** |
| 502609031XY | AAVP/N 903 T2 37kW ATEX | **19.614,20** | **16.798,20** | **19.614,20** | **17.156,30** | **13.814,20** |
| 502610035XY | AAVP/N 1002 T2 55kW ATEX | **28.165,60** | **23.558,60** | **28.165,60** | **24.083,90** | **20.032,20** |
| 502610037XY | AAVP/N 1003 T2 75kW ATEX | **48.985,20** | **33.815,70** | *** NA/ ND** | *** NA/ ND** | **25.281,30** |
| 507405019XY | AAVP/NR 501 T2 1,5kW ATEX | **4.726,60** | **4.047,60** | **4.373,20** | **4.082,00** | **3.261,30** |
| 507405627XY | AAVP/NR 562 T2 2,2kW ATEX | **5.780,20** | **4.958,90** | **5.252,90** | **4.996,10** | **4.146,00** |
| 507405629XY | AAVP/NR 563 T2 3kW ATEX | **6.079,60** | **5.273,00** | **5.544,20** | **5.325,90** | **4.303,20** |
| 507406332XY | AAVP/NR 632 T2 4kW ATEX | **6.793,40** | **6.377,50** | **6.793,40** | **6.441,10** | **5.250,70** |
| 507406334XY | AAVP/NR 633 T2 5,5kW ATEX | **7.796,40** | **7.032,40** | **7.796,40** | **7.119,60** | **5.530,60** |
| 507407136XY | AAVP/NR 711 T2 7,5kW ATEX | **8.633,80** | **7.928,80** | **8.633,80** | **8.018,70** | **6.521,30** |
| 507407121XY | AAVP/NR 713 T2 11kW ATEX | **10.251,10** | **9.569,40** | **10.251,10** | **9.741,20** | **7.656,90** |
| 507408024XY | AAVP/NR 802 T2 15kW ATEX | **12.518,60** | **11.390,30** | **12.518,60** | **11.578,30** | **9.366,50** |
| 507408026XY | AAVP/NR 803 T2 18,5kW ATEX | **12.855,80** | **11.711,70** | **12.855,80** | **11.915,70** | **9.730,30** |
| 507409028XY | AAVP/NR 902 T2 22kW ATEX | **16.207,20** | **14.791,00** | **16.207,20** | **15.056,90** | **12.297,80** |
| 507409030XY | AAVP/NR 903 T2 30kW ATEX | **18.398,80** | **16.267,30** | **18.398,80** | **16.598,80** | **13.321,10** |
| 507410033XY | AAVP/NR 1002 T2 45kW ATEX | **24.645,60** | **22.140,40** | **24.645,60** | **22.594,80** | **18.420,80** |
| 507410035XY | AAVP/NR 1003 T2 55kW ATEX | **28.165,60** | **23.558,60** | **28.165,60** | **24.083,90** | **20.032,20** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAVG/N ATEX



ErP Exempt

60 +info Hz

Ex

## HIGH PRESSURE FAN FOR CLEAN AIR

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225,LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502704527XY | AAVG/N 450 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 1.630 | 73 | 65 |
| 507205032XY | AAVG/N 501 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 2.530 | 74 | 93 |
| 502705636XY | AAVG/N 561 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 3.970 | 78 | 135 |
| 502706321XY | AAVG/N 631 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 3.610 | 81 | 196 |
| 502706324XY | AAVG/N 632 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 5.410 | 81 | 198 |
| 502707128XY | AAVG/N 711 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 6.130 | 83 | 272 |
| 502707130XY | AAVG/N 712 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 7.930 | 84 | 388 |
| 502708031XY | AAVG/N 801 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 7.930 | 88 | 440 |
| 502708033XY | AAVG/N 802 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 10.810 | 88 | 484 |
| 502709035XY | AAVG/N 901 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 7.930 | 91 | 808 |
| 502709037XY | AAVG/N 902 T2 75kW ATEX | 2975 | 130,00 | 75,00 | 12.610 | 92 | 840 |
| 502710022XY | AAVG/N 1001 T2 110kW ATEX | 2980 | 188,00 | 110,00 | 14.410 | 95 | 1085 |
| 502710023XY | AAVG/N 1002 T2 132kW ATEX | 2980 | 223,00 | 132,00 | 19.810 | 95 | 1112 |
| 507205029XY | AAVG/NR 501 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 2.170 | 74 | 87 |
| 507205634XY | AAVG/NR 561 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 2.890 | 77 | 127 |
| 507206321XY | AAVG/NR 632 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 4.690 | 80 | 193 |
| 507207126XY | AAVG/NR 711 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 6.130 | 83 | 246 |
| 507207128XY | AAVG/NR 712 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 7.210 | 83 | 368 |
| 507208030XY | AAVG/NR 801 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 7.210 | 87 | 424 |
| 507208031XY | AAVG/NR 802 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 10.090 | 88 | 435 |
| 507209033XY | AAVG/NR 901 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 7.930 | 90 | 701 |
| 507209035XY | AAVG/NR 902 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 10.810 | 91 | 802 |
| 507209038XY | AAVG/NR 1001 T2 90kW ATEX | 2975 | 156,00 | 90,00 | 12.610 | 94 | 920 |
| 507210022XY | AAVG/NR 1002 T2 110kW ATEX | 2980 | 188,00 | 110,00 | 18.010 | 94 | 1078 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502704527XY | AAVG/N 450 T2 2,2kW ATEX | **4.549,70** | **3.824,70** | **4.118,70** | **3.861,90** | **3.056,30** |
| 507205032XY | AAVG/N 501 T2 4kW ATEX | **5.568,20** | **4.740,40** | **5.156,30** | **4.804,00** | **3.687,40** |
| 502705636XY | AAVG/N 561 T2 7,5kW ATEX | **7.453,00** | **6.286,80** | **6.991,80** | **6.376,70** | **4.928,60** |
| 502706321XY | AAVG/N 631 T2 11kW ATEX | **9.921,30** | **9.239,40** | **9.921,30** | **9.411,40** | **6.821,40** |
| 502706324XY | AAVG/N 632 T2 15kW ATEX | **10.689,00** | **9.560,80** | **10.689,00** | **9.748,70** | **7.063,50** |
| 502707128XY | AAVG/N 711 T2 22kW ATEX | **13.256,90** | **11.840,80** | **13.256,90** | **12.106,50** | **9.386,80** |
| 502707130XY | AAVG/N 712 T2 30kW ATEX | **15.749,40** | **13.617,70** | **15.749,40** | **13.949,20** | **10.711,10** |
| 502708031XY | AAVG/N 801 T2 37kW ATEX | **19.530,00** | **16.713,80** | **19.530,00** | **17.071,90** | **13.737,30** |
| 502708033XY | AAVG/N 802 T2 45kW ATEX | **21.430,90** | **18.925,70** | **21.430,90** | **19.380,20** | **15.312,30** |
| 502709035XY | AAVG/N 901 T2 55kW ATEX | **27.612,60** | **23.005,60** | **27.612,60** | **23.530,90** | **19.577,90** |
| 502709037XY | AAVG/N 902 T2 75kW ATEX | **47.687,20** | **32.517,80** | *** NA/ ND** | *** NA/ ND** | **24.239,90** |
| **502710022XY** | AAVG/N 1001 T2 110kW ATEX | **70.120,50** | **46.103,30** | *** NA/ ND** | *** NA/ ND** | **37.103,70** |
| **502710023XY** | AAVG/N 1002 T2 132kW ATEX | **82.543,40** | **52.050,90** | *** NA/ ND** | *** NA/ ND** | **40.468,90** |
| 507205029XY | AAVG/NR 501 T2 3kW ATEX | **5.286,00** | **4.528,60** | **4.799,90** | **4.581,60** | **3.588,40** |
| 507205634XY | AAVG/NR 561 T2 5,5kW ATEX | **7.461,00** | **6.235,70** | **6.999,70** | **6.323,00** | **4.778,30** |
| 507206321XY | AAVG/NR 632 T2 11kW ATEX | **9.921,30** | **9.239,40** | **9.921,30** | **9.411,40** | **6.821,40** |
| 507207126XY | AAVG/NR 711 T2 18,5kW ATEX | **11.748,40** | **10.604,10** | **11.748,40** | **10.808,10** | **8.654,90** |
| 507207128XY | AAVG/NR 712 T2 22kW ATEX | **13.256,90** | **11.840,80** | **13.256,90** | **12.106,50** | **9.386,80** |
| 507208030XY | AAVG/NR 801 T2 30kW ATEX | **18.314,60** | **16.182,90** | **18.314,60** | **16.514,40** | **13.244,20** |
| 507208031XY | AAVG/NR 802 T2 37kW ATEX | **19.530,00** | **16.713,80** | **19.530,00** | **17.071,90** | **13.737,30** |
| 507209033XY | AAVG/NR 901 T2 45kW ATEX | **24.092,60** | **21.587,40** | **24.092,60** | **22.041,80** | **17.966,50** |
| 507209035XY | AAVG/NR 902 T2 55kW ATEX | **27.612,60** | **23.005,60** | **27.612,60** | **23.530,90** | **19.577,90** |
| 507209038XY | AAVG/NR 1001 T2 90kW ATEX | **57.697,60** | **41.056,90** | *** NA/ ND** | *** NA/ ND** | **29.722,80** |
| 507210022XY | AAVG/NR 1002 T2 110kW ATEX | **70.120,50** | **46.103,30** | *** NA/ ND** | *** NA/ ND** | **37.103,70** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAVM/N ATEX



ErP Exempt

60 +info Hz

Ex

## HIGH PRESSURE FAN FOR CLEAN OR SLIGHTLY AIR IN ATEX ENVIRONMENT

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistance of coating is 180ºC with peaks of 200ºC.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer up to 300ºC temperature resistant.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA AIRE LIMPIO O LIGERAMENTE POLVORIENTO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA

### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502803518XY | AAVM/N 350 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 1.450 | 66 | 36 |
| 502804027XY | AAVM/N 400 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 2.170 | 68 | 50 |
| 502804532XY | AAVM/N 450 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 2.890 | 71 | 80 |
| 502805034XY | AAVM/N 500 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 3.610 | 74 | 107 |
| 502805621XY | AAVM/N 560 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 5.410 | 77 | 163 |
| 502806326XY | AAVM/N 630 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 7.930 | 80 | 193 |
| 502807130XY | AAVM/N 711 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 9.010 | 83 | 390 |
| 502807131XY | AAVM/N 711 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 10.810 | 84 | 390 |
| 502808035XY | AAVM/N 801 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 12.610 | 85 | 664 |
| 502808037XY | AAVM/N 801 T2 75kW ATEX | 2975 | 130,00 | 75,00 | 16.210 | 86 | 794 |
| 502809038XY | AAVM/N 901 T2 90kW ATEX | 2975 | 156,00 | 90,00 | 18.010 | 88 | 969 |
| 502809022XY | AAVM/N 901 T2 110kW ATEX | 2980 | 188,00 | 110,00 | 21.610 | 89 | 1109 |
| 502810025XY | AAVM/N 1001 T2 160kW ATEX | 2980 | 269,00 | 160,00 | 21.610 | 92 | 1230 |
| 502810105XY | AAVM/N 1001 T2 200kW ATEX | 2980 | 336,00 | 200,00 | 33.010 | 93 | 1230 |
| 507303517XY | AAVM/NR 350 T2 0,75kW ATEX | 2870 | 2,00 | 0,75 | 940 | 66 | 35 |
| 507304019XY | AAVM/NR 400 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 1.630 | 68 | 46 |
| 507304529XY | AAVM/NR 450 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 2.530 | 70 | 60 |
| 507305032XY | AAVM/NR 500 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 3.250 | 73 | 92 |
| 507305636XY | AAVM/NR 560 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 4.690 | 76 | 122 |
| 507306324XY | AAVM/NR 630 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 7.210 | 80 | 175 |
| 507307128XY | AAVM/NR 711 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 9.010 | 82 | 300 |
| 507308033XY | AAVM/NR 801 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 14.410 | 84 | 526 |
| 507309037XY | AAVM/NR 901 T2 75kW ATEX | 2975 | 130,00 | 75,00 | 18.010 | 87 | 926 |
| 507310022XY | AAVM/NR 1001 T2 110kW ATEX | 2980 | 188,00 | 110,00 | 18.010 | 91 | 1220 |
| 507310023XY | AAVM/NR 1001 T2 132kW ATEX | 2980 | 223,00 | 132,00 | 21.610 | 92 | 1220 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502807161XY | AAVM/N 712 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 5.410 | 67 | 211 |
| 502808049XY | AAVM/N 802 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 7.930 | 69 | 286 |
| 502809052XY | AAVM/N 902 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 10.810 | 71 | 401 |
| 502810055XY | AAVM/N 1002 T4 22kW ATEX | 1465 | 40,1 | 22,00 | 14.410 | 75 | 640 |
| 507307159XY | AAVM/NR 712 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 4.690 | 67 | 194 |
| 507308063XY | AAVM/NR 802 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 6.130 | 68 | 255 |
| 507309049XY | AAVM/NR 902 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 10.090 | 71 | 380 |
| 507310053XY | AAVM/NR 1002 T4 18,5kW ATEX | 1470 | 35,6 | 18,50 | 12.610 | 74 | 620 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502803518XY | AAVM/N 350 T2 1,1kW ATEX | **3.001,80** | **2.442,20** | **2.652,80** | **2.468,80** | **1.911,60** |
| 502804027XY | AAVM/N 400 T2 2,2kW ATEX | **3.733,20** | **3.079,50** | **3.373,60** | **3.116,80** | **2.313,60** |
| 502804532XY | AAVM/N 450 T2 4kW ATEX | **4.828,00** | **4.047,10** | **4.463,10** | **4.110,70** | **3.009,00** |
| 502805034XY | AAVM/N 500 T2 5,5kW ATEX | **6.255,50** | **4.899,50** | **5.663,50** | **4.986,70** | **3.651,80** |
| 502805621XY | AAVM/N 560 T2 11kW ATEX | **8.838,60** | **8.156,70** | **8.838,60** | **8.328,50** | **5.832,50** |
| 502806326XY | AAVM/N 630 T2 18,5kW ATEX | **10.767,40** | **9.623,20** | **10.767,40** | **9.827,20** | **7.168,20** |
| 502807130XY | AAVM/N 711 T2 30kW ATEX | **15.643,20** | **13.511,70** | **15.643,20** | **13.843,20** | **10.605,20** |
| 502807131XY | AAVM/N 711 T2 37kW ATEX | **16.858,70** | **14.042,70** | **16.858,70** | **14.400,70** | **11.098,10** |
| 502808035XY | AAVM/N 801 T2 55kW ATEX | **24.620,40** | **20.013,40** | **24.620,40** | **20.538,70** | **16.593,00** |
| 502808037XY | AAVM/N 801 T2 75kW ATEX | **44.853,00** | **29.683,40** | *** NA/ ND** | *** NA/ ND** | **21.255,10** |
| 502809038XY | AAVM/N 901 T2 90kW ATEX | **52.904,80** | **36.264,20** | *** NA/ ND** | *** NA/ ND** | **25.028,70** |
| 502809022XY | AAVM/N 901 T2 110kW ATEX | **65.327,80** | **41.310,50** | *** NA/ ND** | *** NA/ ND** | **32.409,60** |
| 502810025XY | AAVM/N 1001 T2 160kW ATEX | **97.249,10** | **59.980,20** | *** NA/ ND** | *** NA/ ND** | **41.057,10** |
| 502810105XY | AAVM/N 1001 T2 200kW ATEX | **106.284,70** | **70.897,50** | *** NA/ ND** | *** NA/ ND** | **43.958,90** |
| 507303517XY | AAVM/NR 350 T2 0,75kW ATEX | **2.943,30** | **2.391,10** | **2.602,90** | **2.415,20** | **1.887,70** |
| 507304019XY | AAVM/NR 400 T2 1,5kW ATEX | **3.581,80** | **3.021,20** | **3.346,70** | **3.055,50** | **2.252,20** |
| 507304529XY | AAVM/NR 450 T2 3kW ATEX | **4.546,00** | **3.835,40** | **4.106,60** | **3.888,30** | **2.910,00** |
| 507305032XY | AAVM/NR 500 T2 4kW ATEX | **5.252,60** | **4.424,70** | **4.840,60** | **4.488,30** | **3.371,70** |
| 507305636XY | AAVM/NR 560 T2 7,5kW ATEX | **7.221,30** | **6.054,90** | **6.759,90** | **6.144,80** | **4.696,80** |
| 507306324XY | AAVM/NR 630 T2 15kW ATEX | **10.430,00** | **9.301,90** | **10.430,00** | **9.489,70** | **6.804,50** |
| 507307128XY | AAVM/NR 711 T2 22kW ATEX | **13.150,90** | **11.734,60** | **13.150,90** | **12.000,50** | **9.280,90** |
| 507308033XY | AAVM/NR 801 T2 45kW ATEX | **20.816,70** | **18.311,50** | **20.816,70** | **18.766,00** | **14.698,10** |
| 507309037XY | AAVM/NR 901 T2 75kW ATEX | **47.482,60** | **32.313,10** | *** NA/ ND** | *** NA/ ND** | **23.877,30** |
| 507310022XY | AAVM/NR 1001 T2 110kW ATEX | **69.767,80** | **45.750,50** | *** NA/ ND** | *** NA/ ND** | **36.750,90** |
| 507310023XY | AAVM/NR 1001 T2 132kW ATEX | **82.190,70** | **51.698,20** | *** NA/ ND** | *** NA/ ND** | **40.116,20** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502807161XY | AAVM/N 712 T4 5,5kW ATEX | **9.057,00** | **8.222,30** | **9.057,00** | **8.312,50** | **6.721,50** |
| 502808049XY | AAVM/N 802 T4 11kW ATEX | **13.390,10** | **12.492,20** | **13.552,90** | **12.655,60** | **10.570,90** |
| 502809052XY | AAVM/N 902 T4 15kW ATEX | **16.644,60** | **15.159,50** | **16.644,60** | **15.339,00** | **13.390,10** |
| 502810055XY | AAVM/N 1002 T4 22kW ATEX | **22.582,30** | **21.037,80** | **22.582,30** | **21.298,40** | **18.478,60** |
| 507307159XY | AAVM/NR 712 T4 4kW ATEX | **8.120,30** | **7.798,60** | **8.112,90** | **7.867,60** | **6.471,20** |
| 507308063XY | AAVM/NR 802 T4 7,5kW ATEX | **11.851,70** | **11.289,70** | **12.014,40** | **11.393,00** | **9.545,80** |
| 507309049XY | AAVM/NR 902 T4 11kW ATEX | **15.898,80** | **14.838,20** | **15.898,80** | **15.001,60** | **13.072,30** |
| 507310053XY | AAVM/NR 1002 T4 18,5kW ATEX | **21.904,70** | **20.506,90** | **21.904,70** | **20.740,80** | **18.252,10** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAZA ATEX



ErP Exempt

60 +info Hz

Ex

## HIGH PRESSURE FAN FOR TRANSPORT OF SOLID MATERIAL

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
- High efficiency simple inlet, radial, curved open blades impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- ATEX standard asynchronous motor. ATEX certified according to the zone, squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## VENTILADOR DE ALTA PRESIÓN PARA TRANSPORTE DE MATERIAL SÓLIDO ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Turbina de pala radial, curvada y abierta de simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor ATEX asíncrono normalizado. Certificado según zona indicada, de jaula de ardilla con aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502904017XY | AAZA 400 T2 0,75kW ATEX | 2870 | 2,00 | 0,75 | 440 | 71 | 39 |
| 502904018XY | AAZA 400 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 480 | 71 | 39 |
| 502904518XY | AAZA 450 T2 1,1kW ATEX | 2830 | 2,6 | 1,10 | 550 | 73 | 42 |
| 502904519XY | AAZA 450 T2 1,5kW ATEX | 2850 | 3,95 | 1,50 | 660 | 74 | 45 |
| 502905027XY | AAZA 500 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 870 | 76 | 55 |
| 502905029XY | AAZA 500 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 870 | 77 | 63 |
| 502905629XY | AAZA 560 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 940 | 79 | 89 |
| 502905632XY | AAZA 560 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 1.230 | 80 | 100 |
| 502906334XY | AAZA 630 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 1.450 | 84 | 134 |
| 502906336XY | AAZA 630 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 1.810 | 85 | 134 |
| 502907136XY | AAZA 710 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 1.230 | 87 | 202 |
| 502907121XY | AAZA 710 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 2.530 | 88 | 218 |
| 502908024XY | AAZA 800 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 2.530 | 92 | 262 |
| 502908026XY | AAZA 800 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 2.890 | 92 | 277 |

### 4 pole | 4 polos

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. nom. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 502908056XY | AAZA 800 T4 3kW ATEX | 1420 | 6,8 | 3,00 | 1.810 | 76 | 195 |
| 502908059XY | AAZA 800 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 1.810 | 76 | 202 |
| 502909061XY | AAZA 900 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 2.530 | 78 | 307 |
| 502909063XY | AAZA 900 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 2.890 | 79 | 341 |
| 502910063XY | AAZA 1000 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 3.250 | 80 | 370 |
| 502910049XY | AAZA 1000 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 4.010 | 82 | 410 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502904017XY | AAZA 400 T2 0,75kW ATEX | **3.650,20** | **3.097,90** | **3.309,70** | **3.121,90** | **2.562,40** |
| 502904018XY | AAZA 400 T2 1,1kW ATEX | **3.708,50** | **3.149,00** | **3.359,60** | **3.175,70** | **2.586,40** |
| 502904518XY | AAZA 450 T2 1,1kW ATEX | **3.997,30** | **3.366,30** | **3.576,80** | **3.392,90** | **2.801,10** |
| 502904519XY | AAZA 450 T2 1,5kW ATEX | **4.262,70** | **3.995,70** | **4.321,20** | **4.029,90** | **2.859,10** |
| 502905027XY | AAZA 500 T2 2,2kW ATEX | **4.991,40** | **4.219,50** | **4.513,60** | **4.256,80** | **3.436,40** |
| 502905029XY | AAZA 500 T2 3kW ATEX | **5.290,90** | **4.533,50** | **4.804,90** | **4.586,50** | **3.593,30** |
| 502905629XY | AAZA 560 T2 3kW ATEX | **5.778,70** | **5.433,30** | **5.704,70** | **5.486,30** | **4.463,50** |
| 502905632XY | AAZA 560 T2 4kW ATEX | **6.060,90** | **5.645,00** | **6.060,90** | **5.708,50** | **4.562,50** |
| 502906334XY | AAZA 630 T2 5,5kW ATEX | **7.939,40** | **7.175,50** | **7.939,40** | **7.262,80** | **5.673,60** |
| 502906336XY | AAZA 630 T2 7,5kW ATEX | **7.931,40** | **7.226,60** | **7.931,40** | **7.316,40** | **5.824,00** |
| 502907136XY | AAZA 710 T2 7,5kW ATEX | **8.786,80** | **8.081,80** | **8.786,80** | **8.171,60** | **6.674,20** |
| 502907121XY | AAZA 710 T2 11kW ATEX | **10.404,00** | **9.722,20** | **10.404,00** | **9.894,10** | **7.809,90** |
| 502908024XY | AAZA 800 T2 15kW ATEX | **13.011,80** | **11.883,60** | **13.011,80** | **12.071,50** | **9.859,80** |
| 502908026XY | AAZA 800 T2 18,5kW ATEX | **13.349,10** | **12.205,00** | **13.349,10** | **12.409,10** | **10.223,70** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 502908056XY | AAZA 800 T4 3kW ATEX | **9.453,60** | **9.257,10** | **9.428,70** | **9.313,80** | **7.989,90** |
| 502908059XY | AAZA 800 T4 4kW ATEX | **9.827,20** | **9.505,50** | **9.819,80** | **9.574,50** | **8.146,00** |
| 502909061XY | AAZA 900 T4 5,5kW ATEX | **13.043,40** | **12.208,40** | **13.043,40** | **12.298,60** | **10.668,30** |
| 502909063XY | AAZA 900 T4 7,5kW ATEX | **13.196,20** | **12.471,40** | **13.196,20** | **12.574,80** | **10.882,90** |
| 502910063XY | AAZA 1000 T4 7,5kW ATEX | **17.207,10** | **16.482,40** | **17.207,10** | **16.585,70** | **14.795,20** |
| 502910049XY | AAZA 1000 T4 11kW ATEX | **18.745,60** | **17.685,00** | **18.745,60** | **17.848,40** | **15.820,50** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAZB ATEX



## HIGH PRESSURE ATEX FAN WITH SIMPLE INLET RADIAL, CURVED AND OPEN BLADES IMPELLER

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency simple inlet radial, curved and open blades impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- ATEX standard asynchronous motor. ATEX certified according to the zone, squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation can be modified if the fan is without frontal support.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Working temperature: ambient from -20ºC to 40ºC, transported air according to the ATEX clasification.

### UNDER REQUEST

- Fans for 60Hz and special voltages.
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Split casing (for big sizes)
- Drain plug.
- Frontal foot

## VENTILADOR ATEX CON TURBINA DE PALA RADIAL CURVADA Y ABIERTA DE SIMPLE ASPIRACIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala radial curvada y abierta de simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor ATEX asíncrono normalizado. Certificado según zona indicada, de jaula de ardilla con aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es variable si no lleva pie soporte frontal.
- Posiciones disponibles (a indicar en caso de pedido): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- Los códigos indicados corresponden al modelo en posición LG270

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: ambiente entre -20ºC y 40ºC, aire transportado según clasificación ATEX.

### BAJO DEMANDA

- Ventiladores para 60Hz voltajes especiales.
- Aceros especiales (Corten, Hardox...)
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie fronta

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516

Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514

Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459

Inlet protection guard.
Rejilla aspiración.



**JE 45** pg.484

Flexible joint.
Junta elástica.



**BA-400** pg.484

Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AB** pg.502

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**AVR** pg.498

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AVS** pg.499

Spring anti-vibration blocks.
Amortiguador de muelles.



**RI** pg.457

Outlet protection guard.
Reja de protección.



**AC** pg.479

Connexion flange.
Brida de connexión.



**BIDS ATEX** pg.490

Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**BADS ATEX** pg.486

Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 507804027XN | AAZB/P 400 T2 2,2kW ATEX | 2840 | 5,4 | 2,20 | 1.370 | 64 | 60 |
| 507804529XN | AAZB/P 450 T2 3kW ATEX | 2900 | 7,3 | 3,00 | 1.620 | 66 | 70 |
| 507804532XN | AAZB/P 450 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 2.160 | 68 | 78 |
| 507805034XN | AAZB/P 500 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 2.520 | 69 | 106 |
| 507805036XN | AAZB/P 500 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 3.240 | 71 | 107 |
| 507805636XN | AAZB/P 560 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 2.880 | 71 | 130 |
| 507805621XN | AAZB/P 560 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 3.960 | 73 | 164 |
| 507806324XN | AAZB/P 630 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 4.320 | 73 | 182 |
| 507806326XN | AAZB/P 630 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 5.400 | 74 | 194 |
| 507807130XN | AAZB/P 710 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 7.200 | 77 | 445 |
| 507807131XN | AAZB/P 710 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 7.920 | 77 | 447 |
| 507808033XN | AAZB/P 800 T2 45kW ATEX | 2960 | 78,00 | 45,00 | 7.920 | 88 | 603 |
| 507808035XN | AAZB/P 800 T2 55kW ATEX | 2960 | 95,00 | 55,00 | 10.600 | 107 | 661 |
| 507807128XN | AAZB/PR 710 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 6.120 | 75 | 311 |
| 507808031XN | AAZB/PR 800 T2 37kW ATEX | 2955 | 66,7 | 37,00 | 7.200 | 89 | 520 |

### 4 pole | 4 polos

| Code | Model | R.P.M | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 507808049XN | AAZB/P 800 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 6.120 | 68 | 276 |
| 507809052XN | AAZB/P 900 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 7.920 | 70 | 406 |
| 507810055XN | AAZB/P 1000 T4 22kW ATEX | 1465 | 40,1 | 22,00 | 10.600 | 72 | 577 |
| 507808063XN | AAZB/PR 800 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 6.120 | 69 | 250 |
| 507809049XN | AAZB/PR 900 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 7.200 | 69 | 393 |
| 507810053XN | AAZB/PR 1000 T4 18,5kW ATEX | 1470 | 35,6 | 18,50 | 9.000 | 71 | 562 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 507804027XN | AAZB/P 400 T2 2,2kW ATEX | **4.225,20** | **3.558,80** | **3.931,60** | **3.558,80** | **2.869,30** |
| 507804529XN | AAZB/P 450 T2 3kW ATEX | **4.875,90** | **4.124,90** | **4.552,80** | **4.124,90** | **3.350,10** |
| 507804532XN | AAZB/P 450 T2 4kW ATEX | **5.158,10** | **4.396,90** | **4.828,30** | **4.396,90** | **3.447,40** |
| 507805034XN | AAZB/P 500 T2 5,5kW ATEX | **6.768,30** | **5.561,90** | **6.333,60** | **5.561,90** | **4.246,80** |
| 507805036XN | AAZB/P 500 T2 7,5kW ATEX | **6.760,40** | **5.689,20** | **6.529,10** | **5.689,20** | **4.394,40** |
| 507805636XN | AAZB/P 560 T2 7,5kW ATEX | **7.450,00** | **6.333,90** | **7.173,80** | **6.333,90** | **5.012,10** |
| 507805621XN | AAZB/P 560 T2 11kW ATEX | **9.067,30** | **8.012,40** | **8.549,70** | **8.012,40** | **5.962,60** |
| 507806324XN | AAZB/P 630 T2 15kW ATEX | **10.498,90** | **9.305,00** | **10.383,50** | **9.305,00** | **6.761,60** |
| 507806326XN | AAZB/P 630 T2 18,5kW ATEX | **10.836,20** | **9.646,50** | **10.712,90** | **9.646,50** | **7.093,10** |
| 507807130XN | AAZB/P 710 T2 30kW ATEX | **15.144,40** | **12.668,90** | **14.937,50** | **12.668,90** | **10.700,90** |
| 507807131XN | AAZB/P 710 T2 37kW ATEX | **16.359,70** | **13.213,00** | **16.124,20** | **13.213,00** | **11.238,80** |
| 507808033XN | AAZB/P 800 T2 45kW ATEX | **20.803,50** | ***NA/ND** | **20.529,70** | ***NA/ND** | **15.401,30** |
| 507808035XN | AAZB/P 800 T2 55kW ATEX | **24.323,50** | ***NA/ND** | **23.966,60** | ***NA/ND** | **17.159,70** |
| 507807128XN | AAZB/PR 710 T2 22kW ATEX | **13.115,60** | **11.725,40** | **12.956,60** | **11.725,40** | **8.991,90** |
| 507808031XN | AAZB/PR 800 T2 37kW ATEX | **19.186,10** | **16.039,30** | **18.950,50** | **16.039,30** | **13.682,70** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 507808049XN | AAZB/P 800 T4 11kW ATEX | **13.539,60** | **11.970,30** | **13.437,40** | **12.108,30** | **10.438,20** |
| 507809052XN | AAZB/P 900 T4 15kW ATEX | **16.536,50** | **14.504,90** | **16.416,60** | **14.657,10** | **13.120,60** |
| 507810055XN | AAZB/P 1000 T4 22kW ATEX | **22.813,00** | **20.308,10** | **22.653,50** | **20.520,60** | **18.474,20** |
| 507808063XN | AAZB/PR 800 T4 7,5kW ATEX | **12.001,10** | **11.012,70** | **11.936,70** | **11.102,90** | **9.597,50** |
| 507809049XN | AAZB/PR 900 T4 11kW ATEX | **15.790,80** | **14.221,50** | **15.688,60** | **14.359,50** | **12.831,00** |
| 507810053XN | AAZB/PR 1000 T4 18,5kW ATEX | **22.135,20** | **19.839,00** | **21.991,70** | **20.028,10** | **18.267,70** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.

# AAZC ATEX



## HIGH PRESSURE ATEX FAN WITH SIMPLE INLET STRAIGHT AND OPEN BLADE IMPELLER

### MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
- Fully welded housing.
- High efficiency simple inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
  Impellers are painted with polyester primer that resists temperatures up to 300ºC.
- ATEX standard asynchronous motor. ATEX certified according to the zone, squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Working temperature: ambient from -20ºC to 40ºC, transported air according to the ATEX clasification.

### UNDER REQUEST

- Fans for 60Hz and special voltages.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.

## VENTILADOR ATEX CON TURBINA DE PALA RECTA ABIERTA DE SIMPLE ASPIRACIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200ºC con un grosor medio de 70 micras. La resisténcia térmica media de la pintura es de 180ºC con picos de 200ºC.
- Carcasa totalmente soldada.
- Turbina de pala recta y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación de poliéster con una resistencia térmica de 300ºC.
- Motor ATEX asíncrono normalizado. Certificado según zona indicada, de jaula de ardilla con aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Posiciones disponibles (a indicar en caso de pedido): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- Los códigos indicados corresponden al modelo en posición LG270

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: ambiente entre -20ºC y 40ºC, aire transportado según clasificación ATEX.

### BAJO DEMANDA

- Ventiladores para 60Hz voltajes especiales.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Carcasa partida (para tamaños grandes).
- Drenaje.
- Pie frontal.

## ACCESSORIES | ACCESORIOS



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**AC** pg.479
Connexion flange.
Brida de connexión.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



**RI** pg.457
Outlet protection guard.
Reja de protección.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## THREE PHASE RANGE | SERIE TRIFÁSICA
### 2 pole | 2 polos

| Code | Model | R.P.M | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 508104032XN | AAZC/R 400 T2 4kW ATEX | 2910 | 9,2 | 4,00 | 3.600 | 75 | 80 |
| 508104536XN | AAZC/R 450 T2 7,5kW ATEX | 2910 | 14,1 | 7,50 | 5.400 | 77 | 104 |
| 508105021XN | AAZC/R 500 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 6.480 | 78 | 174 |
| 508105024XN | AAZC/R 500 T2 15kW ATEX | 2935 | 27,4 | 15,00 | 7.920 | 83 | 178 |
| 508105628XN | AAZC/R 560 T2 22kW ATEX | 2940 | 39,8 | 22,00 | 10.800 | 84 | 271 |
| 508104034XN | AAZC 400 T2 5,5kW ATEX | 2910 | 11,46 | 5,50 | 4.680 | 77 | 92 |
| 508104521XN | AAZC 450 T2 11kW ATEX | 2940 | 21,4 | 11,00 | 5.760 | 76 | 148 |
| 508105026XN | AAZC 500 T2 18,5kW ATEX | 2940 | 34,4 | 18,50 | 9.360 | 86 | 191 |
| 508105630XN | AAZC 560 T2 30kW ATEX | 2955 | 56,6 | 30,00 | 12.600 | 137 | 366 |

### 4 pole | 4 polos

| Code | Model | R.P.M | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |
|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg |
| 508106361XN | AAZC/R 630 T4 5,5kW ATEX | 1455 | 11,5 | 5,50 | 9.360 | 77 | 194 |
| 508107149XN | AAZC/R 710 T4 11kW ATEX | 1460 | 20,9 | 11,00 | 12.600 | 77 | 332 |
| 508108055XN | AAZC/R 800 T4 22kW ATEX | 1465 | 40,1 | 22,00 | 19.800 | 82 | 512 |
| 508109058XN | AAZC/R 900 T4 37kW ATEX | 1470 | 69,2 | 37,00 | 28.800 | 87 | 640 |
| 508110060XN | AAZC/R 1000 T4 45kW ATEX | 1475 | 80,7 | 45,00 | 36.000 | 87 | 924 |
| 508105659XN | AAZC 560 T4 4kW ATEX | 1450 | 9,1 | 4,00 | 6.480 | 70 | 154 |
| 508106363XN | AAZC 630 T4 7,5kW ATEX | 1448 | 15,6 | 7,50 | 10.800 | 77 | 195 |
| 508107152XN | AAZC 710 T4 15kW ATEX | 1465 | 29,8 | 15,00 | 16.200 | 78 | 345 |
| 508108057XN | AAZC 800 T4 30kW ATEX | 1475 | 56,3 | 30,00 | 19.800 | 80 | 614 |
| 508109060XN | AAZC 900 T4 45kW ATEX | 1475 | 80,7 | 45,00 | 32.400 | 89 | 665 |
| 508110062XN | AAZC 1000 T4 55kW ATEX | 1475 | 97,1 | 55,00 | 36.000 | 86 | 1011 |

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 508104032XN | AAZC/R 400 T2 4kW ATEX | **4.741,70** | **4.003,00** | **4.434,30** | **4.003,00** | **3.026,50** |
| 508104536XN | AAZC/R 450 T2 7,5kW ATEX | **6.191,20** | **5.162,90** | **6.002,40** | **5.162,90** | **3.849,70** |
| 508105021XN | AAZC/R 500 T2 11kW ATEX | **8.288,00** | **7.653,20** | **8.190,70** | **7.653,20** | **5.209,90** |
| 508105024XN | AAZC/R 500 T2 15kW ATEX | **9.055,60** | **7.861,60** | **8.940,10** | **7.861,60** | **5.430,70** |
| 508105628XN | AAZC/R 560 T2 22kW ATEX | **12.094,60** | **10.704,20** | **11.935,60** | **10.704,20** | **7.512,40** |
| 508104034XN | AAZC 400 T2 5,5kW ATEX | **5.564,40** | **4.465,90** | **5.237,90** | **4.465,90** | **3.301,50** |
| 508104521XN | AAZC 450 T2 11kW ATEX | **7.808,20** | **6.841,20** | **7.378,70** | **6.841,20** | **4.800,40** |
| 508105026XN | AAZC 500 T2 18,5kW ATEX | **9.392,80** | **8.203,20** | **9.269,30** | **8.203,20** | **5.762,10** |
| 508105630XN | AAZC 560 T2 30kW ATEX | **14.123,40** | **11.647,70** | **13.916,40** | **11.647,70** | **8.444,80** |

| Code | Model | R.R.P € | | | | |
|---|---|---|---|---|---|---|
| | | ZONE 1 | ZONE 2 | ZONE 22 | | Sparkproof * |
| | | | | CONDUCTIVE DUST | NON CONDUCTIVE DUST | |
| Código | Modelo | P.V.P € | | | | |
| | | ZONA 1 | ZONA 2 | ZONA 22 | | Antichispas * |
| | | | | POLVO CONDUCTIVO | POLVO NO CONDUCTIVO | |
| 508106361XN | AAZC/R 630 T4 5,5kW ATEX | **8.916,20** | **7.380,50** | **8.388,90** | **7.459,10** | **6.126,40** |
| 508107149XN | AAZC/R 710 T4 11kW ATEX | **11.203,10** | **9.634,00** | **11.100,90** | **9.771,70** | **8.416,40** |
| 508108055XN | AAZC/R 800 T4 22kW ATEX | **14.967,50** | **12.462,50** | **14.808,00** | **12.675,20** | **10.864,60** |
| 508109058XN | AAZC/R 900 T4 37kW ATEX | **21.170,70** | **16.879,40** | **20.908,60** | **17.219,30** | **14.764,50** |
| 508110060XN | AAZC/R 1000 T4 45kW ATEX | **24.128,00** | **19.122,80** | **23.836,50** | **19.489,70** | **17.059,40** |
| 508105659XN | AAZC 560 T4 4kW ATEX | **7.244,10** | **6.603,50** | **7.199,60** | **6.665,20** | **5.012,30** |
| 508106363XN | AAZC 630 T4 7,5kW ATEX | **9.069,40** | **7.615,40** | **8.539,40** | **7.705,60** | **6.337,40** |
| 508107152XN | AAZC 710 T4 15kW ATEX | **11.948,90** | **9.917,50** | **11.829,00** | **10.069,40** | **8.706,00** |
| 508108057XN | AAZC 800 T4 30kW ATEX | **16.972,70** | **13.796,50** | **16.765,70** | **14.075,90** | **12.002,70** |
| 508109060XN | AAZC 900 T4 45kW ATEX | **22.427,00** | **17.421,80** | **22.135,60** | **17.788,80** | **15.409,90** |
| 508110062XN | AAZC 1000 T4 55kW ATEX | **27.263,30** | **20.838,00** | **26.897,70** | **21.290,60** | **18.516,40** |

To place an order for an ATEX fan, you must replace the XY of the code with XE for zone 1, XN for zone 2, XC for zone 22 for conductive dust and XNC for zone 22 for non conductive dust. For non-sparking air passage and standard motor, it must indicate XI /
Para cursar un pedido de un ventilador ATEX se debe sustituir la XY del código por XE para zona 1, XN para zona 2, XC para zona 22 para polvo conductivo y XNC para zona 22 para polvo no conductivo. Para paso de aire antichispas y motor estándar debe indicar XI.

* Non-sparking air passage and standard motor.
* Paso de aire antichispas y motor estándar.

* NA-NOT AVAILABLE.
* ND-NO DISPONIBLE.



**MTCA ATEX**



**MTRL ATEX**



**MTRM ATEX**



**MTRU ATEX**



**MTGR ATEX**



**MTZM P/R ATEX**

## DIFFERENT ATEX CONFIGURATIONS OF FREE SHAFT WITHOUT MOTOR OR BELT DRIVEN MOTOR

### MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and against corrosion with polyester powder finishing coat.
- Galvanized sheet impeller for forward models (MTCA) or sheet steel for backward (rest of series) protected against corrosion by polyester resin coating. MTZM P/R range with straight blade impeller in steel sheet protected with polyester powder.
- Motorized fan with base frame (configuration 12). Full equipped fans including: motor, pulleys, belts, belts guard and shaft guard. Fitted over a base plate.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air and pneumatic transport.
- Clean air or slightly dusty air transport (MTCA and MTRL).
- Transport of dusty air or with low load of granulated materials (MTRM y MTRU).
- Solid material transport and textile fibers (MTGR and MTZM P/R).
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Fan with free shaft (configuration 1) or with motor supported on the pedestal side (configuration 9).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

***This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.***

ErP Exempt | 60 +info Hz | Ex

## EJE LIBRE SIN MOTOR O MOTOR A TRANSMISIÓN EN DIFERENTES CONFIGURACIONES ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado y protegida contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Turbina de chapa galvanizada para modelos a acción (MTCA) o de chapa de acero para los de reacción (resto de series) protegida contra la corrosión mediante recubrimiento de resina de poliéster. La serie MTZM P/R lleva turbina de pala recta en chapa de acero protegida con poliéster.
- Ventilador con motor montado sobre bancada (sistema 12). Equipo completo que incluye: motor, correas, poleas, protector de transmisión y eje.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Aire limpio y transporte neumático.
- Transporte de aire limpio o ligeramente polvoriento (MTCA y MTRL).
- Transporte de aire polvoriento o con ligera carga de materiales granulados (MTRM y MTRU).
- Transporte de materia sólida y fibra textil (MTGRMTZM P/R).
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Ventilador a eje libre (sistema 1) o con motor en mochila (sistema 9).
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Carcasa partida (para tamaños grandes)
- Drenaje
- Pie frontal
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

***Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.***

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**AB** pg.502
Acoustic cabins for centrifugal fans
Cabinas acústicas para ventiladores centrífugos



**BA-400** pg.484
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RI** pg.457
Outlet guard.
Reja impulsión.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

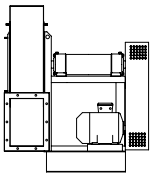


**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |

## FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)



### MTCA ATEX

Centrifugal belt driven fan to move clean air ATEX.
Ventilador centrífugo a transmisión para mover aire limpio ATEX.

## ZONE | ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 | 5.644,70 | 5.772,30 | 6.040,30 | 6.074,20 | 6.284,60 | 6.686,10 | 6.878,90 | | | | | | | | |
| MTCA 280 | 6.041,90 | 6.169,50 | 6.437,50 | 6.471,40 | 6.681,80 | 7.083,30 | 7.276,10 | | | | | | | | |
| MTCA 310 | | 6.578,00 | 6.846,00 | 6.879,90 | 7.090,30 | 7.491,80 | 7.684,60 | 8.186,50 | | | | | | | |
| MTCA 350 | | 7.273,80 | 7.541,80 | 7.575,70 | 7.786,10 | 8.187,60 | 8.380,40 | 8.882,30 | 9.680,80 | 9.952,20 | | | | | |
| MTCA 400 | | | | | | 8.941,00 | 9.133,80 | 9.635,70 | 10.434,20 | 10.705,60 | 12.488,30 | 13.448,40 | | | |
| MTCA 450 | | | | | | 9.487,10 | 9.679,90 | 10.181,80 | 10.980,30 | 11.251,70 | 13.034,40 | 13.994,50 | | | |
| MTCA 500 | | | | | | | 10.782,80 | 11.284,70 | 12.083,20 | 12.354,60 | 14.137,30 | 15.097,40 | 16.440,40 | 17.249,00 | |
| MTCA 560 | | | | | | | | 13.366,40 | 14.164,90 | 14.436,30 | 16.219,00 | 17.179,10 | 18.522,10 | 19.330,70 | 21.594,80 |
| MTCA 630 | | | | | | | | | 15.458,30 | 15.729,70 | 17.512,40 | 18.472,50 | 19.815,50 | 20.624,10 | 22.888,20 |

## ZONE | ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 | 5.399,80 | 5.494,80 | 5.589,70 | 5.716,10 | 5.880,20 | 6.121,30 | 6.305,00 | | | | | | | | |
| MTCA 280 | 5.777,30 | 5.872,30 | 5.967,20 | 6.093,60 | 6.257,70 | 6.498,80 | 6.682,50 | | | | | | | | |
| MTCA 310 | | 6.256,20 | 6.351,10 | 6.477,50 | 6.641,60 | 6.882,70 | 7.066,40 | 7.443,00 | | | | | | | |
| MTCA 350 | | 6.900,20 | 6.995,10 | 7.121,50 | 7.285,60 | 7.526,70 | 7.710,40 | 8.087,00 | 8.552,60 | 8.933,90 | | | | | |
| MTCA 400 | | | | | | 8.280,00 | 8.463,70 | 8.840,30 | 9.305,90 | 9.687,20 | 11.427,50 | 11.963,50 | | | |
| MTCA 450 | | | | | | 8.754,70 | 8.938,40 | 9.315,00 | 9.780,60 | 10.161,90 | 11.973,60 | 12.509,60 | | | |
| MTCA 500 | | | | | | | 10.046,30 | 10.422,90 | 10.888,50 | 11.269,80 | 13.076,50 | 13.612,50 | 15.042,70 | 15.704,30 | |
| MTCA 560 | | | | | | | | 12.403,40 | 12.869,00 | 13.250,30 | 15.158,20 | 15.694,20 | 17.124,40 | 17.786,00 | 19.973,10 |
| MTCA 630 | | | | | | | | | 14.113,20 | 14.494,50 | 16.451,60 | 16.987,60 | 18.417,80 | 19.079,40 | 21.266,50 |

## ZONE | ZONA 22 Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 | 5.447,30 | 5.574,90 | 5.668,00 | 5.797,80 | 5.962,50 | 6.299,60 | 6.476,50 | | | | | | | | |
| MTCA 280 | 5.824,80 | 5.952,40 | 6.045,50 | 6.175,30 | 6.340,00 | 6.677,10 | 6.854,00 | | | | | | | | |
| MTCA 310 | | 6.336,30 | 6.429,40 | 6.559,20 | 6.723,90 | 7.061,00 | 7.237,90 | 7.757,30 | | | | | | | |
| MTCA 350 | | 6.980,30 | 7.073,40 | 7.203,20 | 7.367,90 | 7.705,00 | 7.881,90 | 8.401,30 | 8.642,80 | 9.037,30 | | | | | |
| MTCA 400 | | | | | | 8.458,30 | 8.635,20 | 9.154,60 | 10.140,60 | 10.412,00 | 12.488,30 | 13.448,40 | | | |
| MTCA 450 | | | | | | 8.933,00 | 9.109,90 | 9.629,30 | 10.615,30 | 10.886,70 | 13.034,40 | 13.994,50 | | | |
| MTCA 500 | | | | | | | 10.217,80 | 10.737,20 | 11.723,20 | 11.994,60 | 14.137,30 | 15.097,40 | 16.440,40 | 17.249,00 | |
| MTCA 560 | | | | | | | | 12.717,70 | 13.703,70 | 13.975,10 | 16.219,00 | 17.179,10 | 18.522,10 | 19.330,70 | 21.594,80 |
| MTCA 630 | | | | | | | | | 14.947,90 | 15.219,30 | 17.512,40 | 18.472,50 | 19.815,50 | 20.624,10 | 22.888,20 |

## ZONE | ZONA 22 Non Conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 | 5.418,90 | 5.518,60 | 5.618,20 | 5.751,90 | 5.920,40 | 6.173,10 | 6.361,70 | | | | | | | | |
| MTCA 280 | 5.796,40 | 5.896,10 | 5.995,70 | 6.129,40 | 6.297,90 | 6.550,60 | 6.739,20 | | | | | | | | |
| MTCA 310 | | 6.280,00 | 6.379,60 | 6.513,30 | 6.681,80 | 6.934,50 | 7.123,10 | 7.512,10 | | | | | | | |
| MTCA 350 | | 6.924,00 | 7.023,60 | 7.157,30 | 7.325,80 | 7.578,50 | 7.767,10 | 8.156,10 | 9.387,30 | 9.658,70 | | | | | |
| MTCA 400 | | | | | | 8.331,80 | 8.520,40 | 8.909,40 | 9.396,10 | 9.790,60 | 11.591,00 | 12.143,00 | | | |
| MTCA 450 | | | | | | 8.806,50 | 8.995,10 | 9.384,10 | 9.870,80 | 10.265,30 | 12.137,10 | 12.689,10 | | | |
| MTCA 500 | | | | | | | 10.103,00 | 10.492,00 | 10.978,70 | 11.373,20 | 13.240,00 | 13.792,00 | 15.276,60 | 15.964,90 | |
| MTCA 560 | | | | | | | | 12.472,50 | 12.959,20 | 13.353,70 | 15.321,70 | 15.873,70 | 17.358,30 | 18.046,60 | 20.330,10 |
| MTCA 630 | | | | | | | | | 14.203,40 | 14.597,90 | 16.615,10 | 17.167,10 | 18.651,70 | 19.340,00 | 21.623,50 |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 | 4.505,00 | 4.573,10 | 4.592,70 | 4.621,90 | 4.766,60 | 4.887,80 | 5.096,90 | | | | | | | | |
| MTCA 280 | 4.835,80 | 4.903,90 | 4.923,50 | 4.952,70 | 5.097,40 | 5.218,60 | 5.427,70 | | | | | | | | |
| MTCA 310 | | 5.275,30 | 5.294,90 | 5.324,10 | 5.468,80 | 5.590,00 | 5.799,10 | 6.083,50 | 7.224,60 | | | | | | |
| MTCA 350 | | 5.791,10 | 5.810,70 | 5.839,90 | 5.984,60 | 6.105,80 | 6.314,90 | 6.599,30 | 6.891,70 | | | | | | |
| MTCA 400 | | | | | | 6.809,80 | 7.018,90 | 7.303,30 | 7.595,70 | 7.928,60 | 9.198,00 | 9.730,30 | | | |
| MTCA 450 | | | | | | 7.277,00 | 7.486,10 | 7.770,50 | 8.062,90 | 8.395,80 | 9.665,20 | 10.197,50 | | | |
| MTCA 500 | | | | | | | 8.549,60 | 8.834,00 | 9.126,40 | 9.459,30 | 10.728,70 | 11.261,00 | 12.304,50 | 12.661,80 | |
| MTCA 560 | | | | | | | | 10.249,70 | 10.542,10 | 10.875,00 | 12.144,40 | 12.676,70 | 13.720,20 | 14.077,50 | 15.585,20 |
| MTCA 630 | | | | | | | | | 11.781,40 | 12.114,30 | 13.383,70 | 13.916,00 | 14.959,50 | 15.316,80 | 16.824,50 |

## MTRL ATEX

Centrifugal belt driven fan, for clean or slightly dusty air ATEX.
Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

### ZONE | ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 250 | 5.528,70 | 5.656,30 | 5.924,30 | 5.958,20 | 6.168,60 | 6.570,10 | 6.762,90 | | | | | | | | | | | |
| MTRL 280 | 5.985,30 | 6.112,90 | 6.380,90 | 6.414,80 | 6.625,20 | 7.026,70 | 7.219,50 | | | | | | | | | | | |
| MTRL 310 | | 6.624,90 | 6.892,90 | 6.926,80 | 7.137,20 | 7.538,70 | 7.731,50 | 8.233,40 | | | | | | | | | | |
| MTRL 350 | | 7.614,20 | 7.882,20 | 7.916,10 | 8.126,50 | 8.528,00 | 8.720,80 | 9.222,70 | | | | | | | | | | |
| MTRL 400 | | | | | 8.894,70 | 9.296,20 | 9.489,00 | 9.990,90 | 10.789,40 | 11.060,80 | 12.843,50 | | | | | | | |
| MTRL 450 | | | | | | 9.807,70 | 10.000,50 | 10.502,40 | 11.300,90 | 11.572,30 | 13.355,00 | 14.315,10 | | | | | | |
| MTRL 500 | | | | | | 10.898,40 | 11.091,20 | 11.593,10 | 12.391,60 | 12.663,00 | 14.445,70 | 15.405,80 | | | | | | |
| MTRL 560 | | | | | | | 13.047,00 | 13.548,90 | 14.347,40 | 14.618,80 | 16.401,50 | 17.361,60 | 18.704,60 | 19.513,20 | | | | |
| MTRL 630 | | | | | | | 14.246,80 | 14.748,70 | 15.547,20 | 15.818,60 | 17.601,30 | 18.561,40 | 19.904,40 | 20.713,00 | | | | |
| MTRL 710 | | | | | | | | | 17.559,70 | 17.831,10 | 19.613,80 | 20.573,90 | 21.916,90 | 22.725,50 | 24.989,60 | 27.410,20 | | |
| MTRL 800 | | | | | | | | | 19.612,40 | 19.883,80 | 21.666,50 | 22.626,60 | 23.969,60 | 24.778,20 | 27.042,30 | 29.462,90 | 30.852,50 | |
| MTRL 900 | | | | | | | | | | | 24.254,00 | 25.214,10 | 26.557,10 | 27.365,70 | 29.629,80 | 32.050,40 | 33.440,00 | 36.920,50 |
| MTRL 1000 | | | | | | | | | | | 28.028,50 | 28.988,60 | 30.331,60 | 31.140,20 | 33.404,30 | 35.824,90 | 37.214,50 | 40.695,00 |

### ZONE | ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 250 | 5.283,90 | 5.378,90 | 5.473,80 | 5.600,20 | 5.764,30 | 6.005,40 | 6.189,10 | | | | | | | | | | | |
| MTRL 280 | 5.720,70 | 5.815,70 | 5.910,60 | 6.037,00 | 6.201,10 | 6.442,20 | 6.625,90 | | | | | | | | | | | |
| MTRL 310 | | 6.303,10 | 6.398,00 | 6.524,40 | 6.688,50 | 6.929,60 | 7.113,30 | 7.489,90 | | | | | | | | | | |
| MTRL 350 | | 7.240,60 | 7.335,50 | 7.461,90 | 7.626,00 | 7.867,10 | 8.050,80 | 8.427,40 | | | | | | | | | | |
| MTRL 400 | | | | | 8.394,10 | 8.635,20 | 8.818,90 | 9.195,50 | 9.661,10 | 10.042,40 | 11.782,70 | | | | | | | |
| MTRL 450 | | | | | | 9.075,40 | 9.259,10 | 9.635,70 | 10.101,30 | 10.482,60 | 12.294,20 | 12.830,20 | | | | | | |
| MTRL 500 | | | | | | 10.170,90 | 10.354,60 | 10.731,20 | 11.196,80 | 11.578,10 | 13.384,90 | 13.920,90 | | | | | | |
| MTRL 560 | | | | | | | 12.209,30 | 12.585,90 | 13.051,50 | 13.432,80 | 15.340,70 | 15.876,70 | 17.306,90 | 17.968,50 | | | | |
| MTRL 630 | | | | | | | 13.359,70 | 13.736,30 | 14.201,90 | 14.583,20 | 16.540,50 | 17.076,50 | 18.506,70 | 19.168,30 | | | | |
| MTRL 710 | | | | | | | | | 16.725,00 | 17.106,30 | 18.553,00 | 19.089,00 | 20.519,20 | 21.180,80 | 23.367,90 | 24.828,90 | | |
| MTRL 800 | | | | | | | | | 18.777,70 | 19.159,00 | 20.605,70 | 21.141,70 | 22.571,90 | 23.233,50 | 25.420,60 | 26.881,60 | 27.664,50 | |
| MTRL 900 | | | | | | | | | | | 23.193,20 | 23.729,20 | 25.159,40 | 25.821,00 | 28.008,10 | 29.469,10 | 30.252,00 | 32.783,90 |
| MTRL 1000 | | | | | | | | | | | 26.967,70 | 27.503,70 | 28.933,90 | 29.595,50 | 31.782,60 | 33.243,60 | 34.026,50 | 36.558,40 |

### ZONE | ZONA 22 Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 250 | 5.768,20 | 5.895,80 | 5.988,90 | 6.118,70 | 6.283,40 | 6.620,50 | 6.797,40 | | | | | | | | | | | |
| MTRL 280 | | 6.383,20 | 6.476,30 | 6.606,10 | 6.770,80 | 7.107,90 | 7.284,80 | 7.804,20 | | | | | | | | | | |
| MTRL 310 | | 7.320,70 | 7.413,80 | 7.543,60 | 7.708,30 | 8.045,40 | 8.222,30 | 8.741,70 | | | | | | | | | | |
| MTRL 350 | | | | | 8.476,40 | 8.813,50 | 8.990,40 | 9.509,80 | 10.495,80 | 10.767,20 | 12.843,50 | | | | | | | |
| MTRL 400 | | | | | | 9.253,70 | 9.430,60 | 9.950,00 | 10.936,00 | 11.207,40 | 13.355,00 | 14.315,10 | | | | | | |
| MTRL 450 | | | | | | 10.349,20 | 10.526,10 | 11.045,50 | 12.031,50 | 12.302,90 | 14.445,70 | 15.405,80 | | | | | | |
| MTRL 500 | | | | | | | 12.380,80 | 12.900,20 | 13.886,20 | 14.157,60 | 16.401,50 | 17.361,60 | 18.704,60 | 19.513,20 | | | | |
| MTRL 560 | | | | | | | 13.531,20 | 14.050,60 | 15.036,60 | 15.308,00 | 17.601,30 | 18.561,40 | 19.904,40 | 20.713,00 | | | | |
| MTRL 630 | | | | | | | | | 17.559,70 | 17.831,10 | 19.613,80 | 20.573,90 | 21.916,90 | 22.725,50 | 24.989,60 | 27.410,20 | | |
| MTRL 710 | | | | | | | | | 19.612,40 | 19.883,80 | 21.666,50 | 22.626,60 | 23.969,60 | 24.778,20 | 27.042,30 | 29.462,90 | 30.852,50 | |
| MTRL 800 | | | | | | | | | | | 24.254,00 | 25.214,10 | 26.557,10 | 27.365,70 | 29.629,80 | 32.050,40 | 33.440,00 | 36.920,50 |
| MTRL 900 | | | | | | | | | | | 28.028,50 | 28.988,60 | 30.331,60 | 31.140,20 | 33.404,30 | 35.824,90 | 37.214,50 | 40.695,00 |
| MTRL 1000 | | | | | | | | | | | 26.821,50 | 27.740,30 | 29.025,40 | 29.799,20 | 31.965,80 | 34.282,20 | 35.611,90 | 38.942,60 |

## ZONE | ZONA 22 Non Conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 250 | 5.303,00 | 5.402,70 | 5.502,30 | 5.636,00 | 5.804,50 | 6.057,20 | 6.245,80 | | | | | | | | | | | |
| MTRL 280 | 5.739,80 | 5.839,50 | 5.939,10 | 6.072,80 | 6.241,30 | 6.494,00 | 6.682,60 | | | | | | | | | | | |
| MTRL 310 | | 6.326,90 | 6.426,50 | 6.560,20 | 6.728,70 | 6.981,40 | 7.170,00 | 7.559,00 | | | | | | | | | | |
| MTRL 350 | | 7.264,40 | 7.364,00 | 7.497,70 | 7.666,20 | 7.918,90 | 8.107,50 | 8.496,50 | | | | | | | | | | |
| MTRL 400 | | | | | 8.434,30 | 8.687,00 | 8.875,60 | 9.264,60 | 9.751,30 | 10.145,80 | 11.946,20 | | | | | | | |
| MTRL 450 | | | | | | 9.127,20 | 9.315,80 | 9.704,80 | 10.191,50 | 10.586,00 | 12.457,70 | 13.009,70 | | | | | | |
| MTRL 500 | | | | | | 10.222,70 | 10.411,30 | 10.800,30 | 11.287,00 | 11.681,50 | 13.548,40 | 14.100,40 | | | | | | |
| MTRL 560 | | | | | | | 12.266,00 | 12.655,00 | 13.141,70 | 13.536,20 | 15.504,20 | 16.056,20 | 17.540,80 | 18.229,10 | | | | |
| MTRL 630 | | | | | | | 13.416,40 | 13.805,40 | 14.292,10 | 14.686,60 | 16.704,00 | 17.256,00 | 18.740,60 | 19.428,90 | | | | |
| MTRL 710 | | | | | | | | | 16.815,20 | 17.209,70 | 18.716,50 | 19.268,50 | 20.753,10 | 21.441,40 | 23.724,90 | 25.254,00 | | |
| MTRL 800 | | | | | | | | | 18.867,90 | 19.262,40 | 20.769,20 | 21.321,20 | 22.805,80 | 23.494,10 | 25.777,60 | 27.306,70 | 28.122,10 | |
| MTRL 900 | | | | | | | | | | | 23.356,70 | 23.908,70 | 25.393,30 | 26.081,60 | 28.365,10 | 29.894,20 | 30.709,60 | 33.350,80 |
| MTRL 1000 | | | | | | | | | | | 27.131,20 | 27.683,20 | 29.167,80 | 29.856,10 | 32.139,60 | 33.668,70 | 34.484,10 | 37.125,30 |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 250 | 4.389,20 | 4.457,30 | 4.476,90 | 4.506,10 | 4.650,80 | 4.772,00 | 4.981,10 | | | | | | | | | | | |
| MTRL 280 | 4.779,00 | 4.847,10 | 4.866,70 | 4.895,90 | 5.040,60 | 5.161,80 | 5.370,90 | | | | | | | | | | | |
| MTRL 310 | | 5.322,20 | 5.341,80 | 5.371,00 | 5.515,70 | 5.636,90 | 5.846,00 | 6.130,40 | | | | | | | | | | |
| MTRL 350 | | 6.131,40 | 6.151,00 | 6.180,20 | 6.324,90 | 6.446,10 | 6.655,20 | 6.939,60 | | | | | | | | | | |
| MTRL 400 | | | | | 7.043,80 | 7.165,00 | 7.374,10 | 7.658,50 | 7.950,90 | 8.283,80 | 9.553,20 | | | | | | | |
| MTRL 450 | | | | | | 7.597,60 | 7.806,70 | 8.091,10 | 8.383,50 | 8.716,40 | 9.985,80 | 10.518,10 | | | | | | |
| MTRL 500 | | | | | | 8.648,80 | 8.857,90 | 9.142,30 | 9.434,70 | 9.767,60 | 11.037,00 | 11.569,30 | | | | | | |
| MTRL 560 | | | | | | | 10.147,80 | 10.432,20 | 10.724,60 | 11.057,50 | 12.326,90 | 12.859,20 | 13.902,70 | 14.260,00 | | | | |
| MTRL 630 | | | | | | | 11.293,30 | 11.577,70 | 11.870,10 | 12.203,00 | 13.472,40 | 14.004,70 | 15.048,20 | 15.405,50 | | | | |
| MTRL 710 | | | | | | | | | 14.570,90 | 14.903,80 | 16.173,20 | 16.705,50 | 17.749,00 | 18.106,30 | 19.614,00 | 20.847,30 | | |
| MTRL 800 | | | | | | | | | 16.591,50 | 16.924,40 | 18.193,80 | 18.726,10 | 19.769,60 | 20.126,90 | 21.634,60 | 22.867,90 | 23.709,50 | |
| MTRL 900 | | | | | | | | | | | 20.781,20 | 21.313,50 | 22.357,00 | 22.714,30 | 24.222,00 | 25.455,30 | 26.296,90 | 28.240,80 |
| MTRL 1000 | | | | | | | | | | | 24.301,60 | 24.833,90 | 25.877,40 | 26.234,70 | 27.742,40 | 28.975,70 | 29.817,30 | 31.761,20 |

## MTRM ATEX

Centrifugal belt driven fan, for clean or dusty air ATEX.
Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX.

## ZONE | ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRM 220 | 4.950,50 | 5.078,10 | 5.346,10 | 5.380,00 | 5.590,40 | 5.991,90 | | | | | | | | | | | | | | |
| MTRM 250 | 5.311,60 | 5.439,20 | 5.707,20 | 5.741,10 | 5.951,50 | 6.353,00 | 6.545,80 | | | | | | | | | | | | | |
| MTRM 280 | 5.741,00 | 5.868,60 | 6.136,60 | 6.170,50 | 6.380,90 | 6.782,40 | 6.975,20 | 7.477,10 | | | | | | | | | | | | |
| MTRM 310 | | 6.240,10 | 6.508,10 | 6.542,00 | 6.752,40 | 7.153,90 | 7.346,70 | 7.848,60 | | | | | | | | | | | | |
| MTRM 350 | | 7.108,60 | 7.376,60 | 7.410,50 | 7.620,90 | 8.022,40 | 8.215,20 | 8.717,10 | 9.515,60 | 9.787,00 | | | | | | | | | | |
| MTRM 400 | | 7.864,40 | 8.132,40 | 8.166,30 | 8.376,70 | 8.778,20 | 8.971,00 | 9.472,90 | 10.271,40 | 10.542,80 | | | | | | | | | | |
| MTRM 450 | | | | 8.717,40 | 8.927,80 | 9.329,30 | 9.522,10 | 10.024,00 | 10.822,50 | 11.093,90 | 12.876,60 | 13.836,70 | | | | | | | | |
| MTRM 500 | | | | | | 10.370,50 | 10.563,30 | 11.065,20 | 11.863,70 | 12.135,10 | 13.917,80 | 14.877,90 | 16.220,90 | 17.029,50 | | | | | | |
| MTRM 560 | | | | | | | | 13.304,80 | 14.103,30 | 14.374,70 | 16.157,40 | 17.117,50 | 18.460,50 | 19.269,10 | 21.533,20 | | | | | |
| MTRM 630 | | | | | | | | 14.605,60 | 15.404,10 | 15.675,50 | 17.458,20 | 18.418,30 | 19.761,30 | 20.569,90 | 22.834,00 | 25.254,60 | | | | |
| MTRM 710 | | | | | | | | | 17.226,80 | 17.498,20 | 19.280,90 | 20.241,00 | 21.584,00 | 22.392,60 | 24.656,70 | 27.077,30 | 28.466,90 | 31.947,40 | | |
| MTRM 800 | | | | | | | | | 18.766,50 | 19.037,90 | 20.820,60 | 21.780,70 | 23.123,70 | 23.932,30 | 26.196,40 | 28.617,00 | 30.006,60 | 33.487,10 | | |
| MTRM 900 | | | | | | | | | | 21.874,40 | 23.657,10 | 24.617,20 | 25.960,20 | 26.768,80 | 29.032,90 | 31.453,50 | 32.843,10 | 36.323,60 | | |
| MTRM 1000 | | | | | | | | | | | 27.093,70 | 28.053,80 | 29.396,80 | 30.205,40 | 32.469,50 | 34.890,10 | 36.279,70 | 39.760,20 | 59.553,20 | 63.949,00 |

## ZONE | ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRM 220 | 4.727,90 | 4.822,90 | 4.917,80 | 5.044,20 | 5.208,30 | 5.449,40 | | | | | | | | | | | | | | |
| MTRM 250 | 5.066,80 | 5.161,80 | 5.256,70 | 5.383,10 | 5.547,20 | 5.788,30 | 5.972,00 | | | | | | | | | | | | | |
| MTRM 280 | 5.476,50 | 5.571,50 | 5.666,40 | 5.792,80 | 5.956,90 | 6.198,00 | 6.381,70 | 6.758,30 | | | | | | | | | | | | |
| MTRM 310 | | 5.918,30 | 6.013,20 | 6.139,60 | 6.303,70 | 6.544,80 | 6.728,50 | 7.105,10 | | | | | | | | | | | | |
| MTRM 350 | | 6.735,00 | 6.829,90 | 6.956,30 | 7.120,40 | 7.361,50 | 7.545,20 | 7.921,80 | 8.387,40 | 8.768,70 | | | | | | | | | | |
| MTRM 400 | | 7.490,80 | 7.585,70 | 7.712,10 | 7.876,20 | 8.117,30 | 8.301,00 | 8.677,60 | 9.143,20 | 9.524,50 | | | | | | | | | | |
| MTRM 450 | | | | 8.191,70 | 8.355,80 | 8.596,90 | 8.780,60 | 9.157,20 | 9.622,80 | 10.004,10 | 11.450,80 | 11.986,80 | | | | | | | | |
| MTRM 500 | | | | | | 9.591,20 | 9.774,90 | 10.151,50 | 10.617,10 | 10.998,40 | 12.857,00 | 13.393,00 | 14.823,20 | 15.484,80 | | | | | | |
| MTRM 560 | | | | | | | | 12.341,70 | 12.807,30 | 13.188,60 | 15.096,60 | 15.632,60 | 17.062,80 | 17.724,40 | 19.911,50 | | | | | |
| MTRM 630 | | | | | | | | 13.593,20 | 14.058,80 | 14.440,10 | 16.397,40 | 16.933,40 | 18.363,60 | 19.025,20 | 21.212,30 | 22.673,30 | | | | |
| MTRM 710 | | | | | | | | | 16.392,10 | 16.773,40 | 18.220,10 | 18.756,10 | 20.186,30 | 20.847,90 | 23.035,00 | 24.496,00 | 25.278,90 | 27.810,80 | | |
| MTRM 800 | | | | | | | | | 17.931,80 | 18.313,10 | 19.759,80 | 20.295,80 | 21.726,00 | 22.387,60 | 24.574,70 | 26.035,70 | 26.818,60 | 29.350,50 | | |
| MTRM 900 | | | | | | | | | | 21.149,60 | 22.596,30 | 23.132,30 | 24.562,50 | 25.224,10 | 27.411,20 | 28.872,20 | 29.655,10 | 32.187,00 | | |
| MTRM 1000 | | | | | | | | | | | 26.032,90 | 26.568,90 | 27.999,10 | 28.660,70 | 30.847,80 | 32.308,80 | 33.091,70 | 35.623,60 | 44.757,60 | 48.175,30 |

## ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRM 220 | 4.775,40 | 4.903,00 | 4.996,10 | 5.125,90 | 5.290,60 | 5.627,70 | | | | | | | | | | | | |
| MTRM 250 | 5.114,30 | 5.241,90 | 5.335,00 | 5.464,80 | 5.629,50 | 5.966,60 | 6.143,50 | | | | | | | | | | | |
| MTRM 280 | 5.524,00 | 5.651,60 | 5.744,70 | 5.874,50 | 6.039,20 | 6.376,30 | 6.553,20 | 7.072,60 | | | | | | | | | | |
| MTRM 310 | | 5.998,40 | 6.091,50 | 6.221,30 | 6.386,00 | 6.723,10 | 6.900,00 | 7.419,40 | | | | | | | | | | |
| MTRM 350 | | 6.815,10 | 6.908,20 | 7.038,00 | 7.202,70 | 7.539,80 | 7.716,70 | 8.236,10 | 9.222,10 | 9.493,50 | | | | | | | | |
| MTRM 400 | | 7.570,90 | 7.664,00 | 7.793,80 | 7.958,50 | 8.295,60 | 8.472,50 | 8.991,90 | 9.977,90 | 10.249,30 | | | | | | | | |
| MTRM 450 | | | | 8.273,40 | 8.438,10 | 8.775,20 | 8.952,10 | 9.471,50 | 10.457,50 | 10.728,90 | 12.511,60 | 13.471,70 | | | | | | |
| MTRM 500 | | | | | | 9.769,50 | 9.946,40 | 10.465,80 | 11.451,80 | 11.723,20 | 13.917,80 | 14.877,90 | 16.220,90 | 17.029,50 | | | | |
| MTRM 560 | | | | | | | | 12.656,00 | 13.642,00 | 13.913,40 | 16.157,40 | 17.117,50 | 18.460,50 | 19.269,10 | 21.533,20 | | | |
| MTRM 630 | | | | | | | | 13.907,50 | 14.893,50 | 15.164,90 | 17.458,20 | 18.418,30 | 19.761,30 | 20.569,90 | 22.834,00 | 25.254,60 | | |
| MTRM 710 | | | | | | | | | 17.226,80 | 17.498,20 | 19.280,90 | 20.241,00 | 21.584,00 | 22.392,60 | 24.656,70 | 27.077,30 | 28.466,90 | 31.947,40 |
| MTRM 800 | | | | | | | | | 18.766,50 | 19.037,90 | 20.820,60 | 21.780,70 | 23.123,70 | 23.932,30 | 26.196,40 | 28.617,00 | 30.006,60 | 33.487,10 |
| MTRM 900 | | | | | | | | | | 21.874,40 | 23.657,10 | 24.617,20 | 25.960,20 | 26.768,80 | 29.032,90 | 31.453,50 | 32.843,10 | 36.323,60 |
| MTRM 1000 | | | | | | | | | | | 27.093,70 | 28.053,80 | 29.396,80 | 30.205,40 | 32.469,50 | 34.890,10 | 36.279,70 | 39.760,20 |

## ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRM 220 | 4.747,00 | 4.846,70 | 4.946,30 | 5.080,00 | 5.248,50 | 5.501,20 | | | | | | | | | | | | |
| MTRM 250 | 5.085,90 | 5.185,60 | 5.285,20 | 5.418,90 | 5.587,40 | 5.840,10 | 6.028,70 | | | | | | | | | | | |
| MTRM 280 | 5.495,60 | 5.595,30 | 5.694,90 | 5.828,60 | 5.997,10 | 6.249,80 | 6.438,40 | 6.827,40 | | | | | | | | | | |
| MTRM 310 | | 5.942,10 | 6.041,70 | 6.175,40 | 6.343,90 | 6.596,60 | 6.785,20 | 7.174,20 | | | | | | | | | | |
| MTRM 350 | | 6.758,80 | 6.858,40 | 6.992,10 | 7.160,60 | 7.413,30 | 7.601,90 | 7.990,90 | 8.477,60 | 8.872,10 | | | | | | | | |
| MTRM 400 | | 7.514,60 | 7.614,20 | 7.747,90 | 7.916,40 | 8.169,10 | 8.357,70 | 8.746,70 | 9.233,40 | 9.627,90 | | | | | | | | |
| MTRM 450 | | | | 8.227,50 | 8.396,00 | 8.648,70 | 8.837,30 | 9.226,30 | 9.713,00 | 10.107,50 | 11.614,30 | 12.166,30 | | | | | | |
| MTRM 500 | | | | | | 9.643,00 | 9.831,60 | 10.220,60 | 10.707,30 | 11.101,80 | 13.020,50 | 13.572,50 | 15.057,10 | 15.745,40 | | | | |
| MTRM 560 | | | | | | | | 12.410,80 | 12.897,50 | 13.292,00 | 15.260,10 | 15.812,10 | 17.296,70 | 17.985,00 | 20.268,50 | | | |
| MTRM 630 | | | | | | | | 13.662,30 | 14.149,00 | 14.543,50 | 16.560,90 | 17.112,90 | 18.597,50 | 19.285,80 | 21.569,30 | 23.098,40 | | |
| MTRM 710 | | | | | | | | | 16.482,30 | 16.876,80 | 18.383,60 | 18.935,60 | 20.420,20 | 21.108,50 | 23.392,00 | 24.921,10 | 25.736,50 | 28.377,70 |
| MTRM 800 | | | | | | | | | 18.022,00 | 18.416,50 | 19.923,30 | 20.475,30 | 21.959,90 | 22.648,20 | 24.931,70 | 26.460,80 | 27.276,20 | 29.917,40 |
| MTRM 900 | | | | | | | | | | 21.253,00 | 22.759,80 | 23.311,80 | 24.796,40 | 25.484,70 | 27.768,20 | 29.297,30 | 30.112,70 | 32.753,90 |
| MTRM 1000 | | | | | | | | | | | 26.196,40 | 26.748,40 | 28.233,00 | 28.921,30 | 31.204,80 | 32.733,90 | 33.549,30 | 36.190,50 |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRM 220 | 3.877,50 | 3.945,60 | 3.965,20 | 3.994,40 | 4.139,10 | 4.260,30 | | | | | | | | | | | | | | |
| MTRM 250 | 4.172,10 | 4.240,20 | 4.259,80 | 4.289,00 | 4.433,70 | 4.554,90 | 4.764,00 | | | | | | | | | | | | | |
| MTRM 280 | 4.534,80 | 4.602,90 | 4.622,50 | 4.651,70 | 4.796,40 | 4.917,60 | 5.126,70 | 5.411,10 | | | | | | | | | | | | |
| MTRM 310 | | 4.937,40 | 4.957,00 | 4.986,20 | 5.130,90 | 5.252,10 | 5.461,20 | 5.745,60 | | | | | | | | | | | | |
| MTRM 350 | | 5.625,90 | 5.645,50 | 5.674,70 | 5.819,40 | 5.940,60 | 6.149,70 | 6.434,10 | 6.726,50 | 7.059,40 | | | | | | | | | | |
| MTRM 400 | | 6.332,30 | 6.351,90 | 6.381,10 | 6.525,80 | 6.647,00 | 6.856,10 | 7.140,50 | 7.432,90 | 7.765,80 | | | | | | | | | | |
| MTRM 450 | | | | 6.853,30 | 6.998,00 | 7.119,20 | 7.328,30 | 7.612,70 | 7.905,10 | 8.238,00 | 9.507,40 | 10.039,70 | | | | | | | | |
| MTRM 500 | | | | | | 8.069,20 | 8.278,30 | 8.562,70 | 8.855,10 | 9.188,00 | 10.457,40 | 10.989,70 | 12.033,20 | 12.390,50 | | | | | | |
| MTRM 560 | | | | | | | | 10.188,00 | 10.480,40 | 10.813,30 | 12.082,70 | 12.615,00 | 13.658,50 | 14.015,80 | 15.523,50 | | | | | |
| MTRM 630 | | | | | | | | 11.434,60 | 11.727,00 | 12.059,90 | 13.329,30 | 13.861,60 | 14.905,10 | 15.262,40 | 16.770,10 | 18.003,40 | | | | |
| MTRM 710 | | | | | | | | | 14.237,80 | 14.570,70 | 15.840,10 | 16.372,40 | 17.415,90 | 17.773,20 | 19.280,90 | 20.514,20 | 21.355,80 | 23.299,70 | | |
| MTRM 800 | | | | | | | | | 15.745,50 | 16.078,40 | 17.347,80 | 17.880,10 | 18.923,60 | 19.280,90 | 20.788,60 | 22.021,90 | 22.863,50 | 24.807,40 | | |
| MTRM 900 | | | | | | | | | | 18.914,90 | 20.184,30 | 20.716,60 | 21.760,10 | 22.117,40 | 23.625,10 | 24.858,40 | 25.700,00 | 27.643,90 | | |
| MTRM1000 | | | | | | | | | | | 23.366,80 | 23.899,10 | 24.942,60 | 25.299,90 | 26.807,60 | 28.040,90 | 28.882,50 | 30.826,40 | 34.037,60 | 35.614,50 |

## MTRU ATEX

Centrifugal belt driven fan, for clean or dusty air ATEX.
Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX.

## ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU 250 | 5.348,60 | 5.476,20 | 5.744,20 | 5.778,10 | 5.988,50 | 6.390,00 | | | | | | | | | | | | | | |
| MTRU 280 | 5.778,00 | 5.905,60 | 6.173,60 | 6.207,50 | 6.417,90 | 6.819,40 | 7.012,20 | | | | | | | | | | | | | |
| MTRU 310 | | 6.282,00 | 6.550,00 | 6.583,90 | 6.794,30 | 7.195,80 | 7.388,60 | 7.890,50 | | | | | | | | | | | | |
| MTRU 350 | | 7.167,80 | 7.435,80 | 7.469,70 | 7.680,10 | 8.081,60 | 8.274,40 | 8.776,30 | | | | | | | | | | | | |
| MTRU 400 | | | | | 8.509,90 | 8.911,40 | 9.104,20 | 9.606,10 | 10.404,60 | 10.676,00 | 12.458,70 | | | | | | | | | |
| MTRU 450 | | | | | | 9.504,50 | 9.697,30 | 10.199,20 | 10.997,70 | 11.269,10 | 13.051,80 | 14.011,90 | 15.354,90 | | | | | | | |
| MTRU 500 | | | | | | | 10.770,50 | 11.272,40 | 12.070,90 | 12.342,30 | 14.125,00 | 15.085,10 | 16.428,10 | 17.236,70 | | | | | | |
| MTRU 560 | | | | | | | | 13.608,20 | 14.406,70 | 14.678,10 | 16.460,80 | 17.420,90 | 18.763,90 | 19.572,50 | 21.836,60 | | | | | |
| MTRU 630 | | | | | | | | | 15.796,20 | 16.067,60 | 17.850,30 | 18.810,40 | 20.153,40 | 20.962,00 | 23.226,10 | 25.646,70 | | | | |
| MTRU 710 | | | | | | | | | | 18.001,40 | 19.784,10 | 20.744,20 | 22.087,20 | 22.895,80 | 25.159,90 | 27.580,50 | 28.970,10 | 32.450,60 | | |
| MTRU 800 | | | | | | | | | | | 21.669,00 | 22.629,10 | 23.972,10 | 24.780,70 | 27.044,80 | 29.465,40 | 30.855,00 | 34.335,50 | 54.128,50 | |
| MTRU 900 | | | | | | | | | | | | 25.870,20 | 27.213,20 | 28.021,80 | 30.285,90 | 32.706,50 | 34.096,10 | 37.576,60 | 57.369,60 | 61.765,40 |
| MTRU 1000 | | | | | | | | | | | | 29.402,90 | 30.745,90 | 31.554,50 | 33.818,60 | 36.239,20 | 37.628,80 | 41.109,30 | 60.902,30 | 65.298,10 |

## ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU250 | 5.103,80 | 5.198,80 | 5.293,70 | 5.420,10 | 5.584,20 | 5.825,30 | | | | | | | | | | | | | | |
| MTRU280 | 5.513,50 | 5.608,50 | 5.703,40 | 5.829,80 | 5.993,90 | 6.235,00 | 6.418,70 | | | | | | | | | | | | | |
| MTRU310 | | 5.960,20 | 6.055,10 | 6.181,50 | 6.345,60 | 6.586,70 | 6.770,40 | 7.147,00 | | | | | | | | | | | | |
| MTRU350 | | 6.794,20 | 6.889,10 | 7.015,50 | 7.179,60 | 7.420,70 | 7.604,40 | 7.981,00 | | | | | | | | | | | | |
| MTRU400 | | | | | 8.009,40 | 8.250,50 | 8.434,20 | 8.810,80 | 9.276,40 | 9.657,70 | 11.397,90 | | | | | | | | | |
| MTRU450 | | | | | | 8.771,90 | 8.955,60 | 9.332,20 | 9.797,80 | 10.179,10 | 11.991,00 | 12.527,00 | 13.957,20 | | | | | | | |
| MTRU500 | | | | | | | 9.982,10 | 10.358,70 | 10.824,30 | 11.205,60 | 13.064,20 | 13.600,20 | 15.030,40 | 15.692,00 | | | | | | |
| MTRU560 | | | | | | | | 12.645,10 | 13.110,70 | 13.492,00 | 15.400,00 | 15.936,00 | 17.366,20 | 18.027,80 | 20.214,90 | | | | | |
| MTRU630 | | | | | | | | | 14.451,00 | 14.832,30 | 16.789,50 | 17.325,50 | 18.755,70 | 19.417,30 | 21.604,40 | 23.065,40 | | | | |
| MTRU710 | | | | | | | | | | 17.276,60 | 18.723,30 | 19.259,30 | 20.689,50 | 21.351,10 | 23.538,20 | 24.999,20 | 25.782,10 | 28.314,00 | | |
| MTRU800 | | | | | | | | | | | 20.608,20 | 21.144,20 | 22.574,40 | 23.236,00 | 25.423,10 | 26.884,10 | 27.667,00 | 30.198,90 | 39.332,90 | |
| MTRU900 | | | | | | | | | | | | 24.385,30 | 25.815,50 | 26.477,10 | 28.664,20 | 30.125,20 | 30.908,10 | 33.440,00 | 42.574,00 | 45.991,70 |
| MTRU1000 | | | | | | | | | | | | 27.918,00 | 29.348,20 | 30.009,80 | 32.196,90 | 33.657,90 | 34.440,80 | 36.972,70 | 46.106,70 | 49.524,40 |

## ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU 250 | 5.151,30 | 5.278,90 | 5.372,00 | 5.501,80 | 5.666,50 | 6.003,60 | | | | | | | | | | | | | | |
| MTRU 280 | 5.561,00 | 5.688,60 | 5.781,70 | 5.911,50 | 6.076,20 | 6.413,30 | 6.590,20 | | | | | | | | | | | | | |
| MTRU 310 | | 6.040,30 | 6.133,40 | 6.263,20 | 6.427,90 | 6.765,00 | 6.941,90 | 7.461,30 | | | | | | | | | | | | |
| MTRU 350 | | 6.874,30 | 6.967,40 | 7.097,20 | 7.261,90 | 7.599,00 | 7.775,90 | 8.295,30 | | | | | | | | | | | | |
| MTRU 400 | | | | | 8.091,70 | 8.428,80 | 8.605,70 | 9.125,10 | 10.111,10 | 10.382,50 | 12.458,70 | | | | | | | | | |
| MTRU 450 | | | | | | 8.950,20 | 9.127,10 | 9.646,50 | 10.632,50 | 10.903,90 | 13.051,80 | 14.011,90 | 15.354,90 | | | | | | | |
| MTRU 500 | | | | | | | 10.153,60 | 10.673,00 | 11.659,00 | 11.930,40 | 14.125,00 | 15.085,10 | 16.428,10 | 17.236,70 | | | | | | |
| MTRU 560 | | | | | | | | 12.959,40 | 13.945,40 | 14.216,80 | 16.460,80 | 17.420,90 | 18.763,90 | 19.572,50 | 21.836,60 | | | | | |
| MTRU 630 | | | | | | | | | 15.285,70 | 15.557,10 | 17.850,30 | 18.810,40 | 20.153,40 | 20.962,00 | 23.226,10 | 25.646,70 | | | | |
| MTRU 710 | | | | | | | | | | 18.001,40 | 19.784,10 | 20.744,20 | 22.087,20 | 22.895,80 | 25.159,90 | 27.580,50 | 28.970,10 | 32.450,60 | | |
| MTRU 800 | | | | | | | | | | | 21.669,00 | 22.629,10 | 23.972,10 | 24.780,70 | 27.044,80 | 29.465,40 | 30.855,00 | 34.335,50 | *NA/ND | |
| MTRU 900 | | | | | | | | | | | | 25.870,20 | 27.213,20 | 28.021,80 | 30.285,90 | 32.706,50 | 34.096,10 | 37.576,60 | *NA/ND | *NA/ND |
| MTRU 1000 | | | | | | | | | | | | 29.402,90 | 30.745,90 | 31.554,50 | 33.818,60 | 36.239,20 | 37.628,80 | 41.109,30 | *NA/ND | *NA/ND |

## ZONE / ZONA 22 - NON conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU 250 | 5.122,90 | 5.222,60 | 5.322,20 | 5.455,90 | 5.624,40 | 5.877,10 | | | | | | | | | | | | | | |
| MTRU 280 | 5.532,60 | 5.632,30 | 5.731,90 | 5.865,60 | 6.034,10 | 6.286,80 | 6.475,40 | | | | | | | | | | | | | |
| MTRU 310 | | 5.984,00 | 6.083,60 | 6.217,30 | 6.385,80 | 6.638,50 | 6.827,10 | 7.216,10 | | | | | | | | | | | | |
| MTRU 350 | | 6.818,00 | 6.917,60 | 7.051,30 | 7.219,80 | 7.472,50 | 7.661,10 | 8.050,10 | | | | | | | | | | | | |
| MTRU 400 | | | | | 8.049,60 | 8.302,30 | 8.490,90 | 8.879,90 | 9.366,60 | 9.761,10 | 11.561,40 | | | | | | | | | |
| MTRU 450 | | | | | | 8.823,70 | 9.012,30 | 9.401,30 | 9.888,00 | 10.282,50 | 12.154,50 | 12.706,50 | 14.191,10 | | | | | | | |
| MTRU 500 | | | | | | | 10.038,80 | 10.427,80 | 10.914,50 | 11.309,00 | 13.227,70 | 13.779,70 | 15.264,30 | 15.952,60 | | | | | | |
| MTRU 560 | | | | | | | | 12.714,20 | 13.200,90 | 13.595,40 | 15.563,50 | 16.115,50 | 17.600,10 | 18.288,40 | 20.571,90 | | | | | |
| MTRU 630 | | | | | | | | | 14.541,20 | 14.935,70 | 16.953,00 | 17.505,00 | 18.989,60 | 19.677,90 | 21.961,40 | 23.490,50 | | | | |
| MTRU 710 | | | | | | | | | | 17.380,00 | 18.886,80 | 19.438,80 | 20.923,40 | 21.611,70 | 23.895,20 | 25.424,30 | 26.239,70 | 28.880,90 | | |
| MTRU 800 | | | | | | | | | | | 20.771,70 | 21.323,70 | 22.808,30 | 23.496,60 | 25.780,10 | 27.309,20 | 28.124,60 | 30.765,80 | *NA/ND | |
| MTRU 900 | | | | | | | | | | | | 24.564,80 | 26.049,40 | 26.737,70 | 29.021,20 | 30.550,30 | 31.365,70 | 34.006,90 | *NA/ND | *NA/ND |
| MTRU 1000 | | | | | | | | | | | | 28.097,50 | 29.582,10 | 30.270,40 | 32.553,90 | 34.083,00 | 34.898,40 | 37.539,60 | *NA/ND | *NA/ND |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU 250 | 4.209,10 | 4.277,20 | 4.296,80 | 4.326,00 | 4.470,70 | 4.591,90 | | | | | | | | | | | | | | |
| MTRU 280 | 4.571,80 | 4.639,90 | 4.659,50 | 4.688,70 | 4.833,40 | 4.954,60 | 5.163,70 | | | | | | | | | | | | | |
| MTRU 310 | | 4.979,30 | 4.998,90 | 5.028,10 | 5.172,80 | 5.294,00 | 5.503,10 | 5.787,50 | | | | | | | | | | | | |
| MTRU 350 | | 5.685,00 | 5.704,60 | 5.733,80 | 5.878,50 | 5.999,70 | 6.208,80 | 6.493,20 | | | | | | | | | | | | |
| MTRU 400 | | | | | 6.659,00 | 6.780,20 | 6.989,30 | 7.273,70 | 7.566,10 | 7.899,00 | 9.168,40 | | | | | | | | | |
| MTRU 450 | | | | | | 7.294,40 | 7.503,50 | 7.787,90 | 8.080,30 | 8.413,20 | 9.682,60 | 10.214,90 | 11.258,40 | | | | | | | |
| MTRU 500 | | | | | | | 8.485,50 | 8.769,90 | 9.062,30 | 9.395,20 | 10.664,60 | 11.196,90 | 12.240,40 | 12.597,70 | | | | | | |
| MTRU 560 | | | | | | | | 10.491,40 | 10.783,80 | 11.116,70 | 12.386,10 | 12.918,40 | 13.961,90 | 14.319,20 | 15.826,90 | | | | | |
| MTRU 630 | | | | | | | | | 12.119,20 | 12.452,10 | 13.721,50 | 14.253,80 | 15.297,30 | 15.654,60 | 17.162,30 | 18.395,60 | | | | |
| MTRU 710 | | | | | | | | | | 15.073,90 | 16.343,30 | 16.875,60 | 17.919,10 | 18.276,40 | 19.784,10 | 21.017,40 | 21.859,00 | 23.802,90 | | |
| MTRU 800 | | | | | | | | | | | 18.196,20 | 18.728,50 | 19.772,00 | 20.129,30 | 21.637,00 | 22.870,30 | 23.711,90 | 25.655,80 | 28.867,00 | |
| MTRU 900 | | | | | | | | | | | | 21.969,60 | 23.013,10 | 23.370,40 | 24.878,10 | 26.111,40 | 26.953,00 | 28.896,90 | 32.108,10 | 33.685,00 |
| MTRU 1000 | | | | | | | | | | | | 25.248,30 | 26.291,80 | 26.649,10 | 28.156,80 | 29.390,10 | 30.231,70 | 32.175,60 | 35.386,80 | 36.963,70 |

## MTGR ATEX

Centrifugal belt driven fan, for clean or slightly dusty air ATEX.
Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 400 | 8.329,10 | 8.539,50 | 8.941,00 | 9.133,80 | 9.635,70 | 10.434,20 | 10.705,60 | | | | | | | | | | |
| MTGR 450 | | 9.075,80 | 9.477,30 | 9.670,10 | 10.172,00 | 10.970,50 | 11.241,90 | 13.024,60 | | | | | | | | | |
| MTGR 500 | | | 10.550,60 | 10.743,40 | 11.245,30 | 12.043,80 | 12.315,20 | 14.097,90 | 15.058,00 | | | | | | | | |
| MTGR 560 | | | | 12.859,50 | 13.361,40 | 14.159,90 | 14.431,30 | 16.214,00 | 17.174,10 | 18.517,10 | 19.325,70 | | | | | | |
| MTGR 630 | | | | | | 15.843,10 | 16.114,50 | 17.897,20 | 18.857,30 | 20.200,30 | 21.008,90 | 23.273,00 | 25.693,60 | | | | |
| MTGR 710 | | | | | | | 17.875,50 | 19.658,20 | 20.618,30 | 21.961,30 | 22.769,90 | 25.034,00 | 27.454,60 | 28.844,20 | 32.324,70 | | |
| MTGR 800 | | | | | | | | 21.481,60 | 22.441,70 | 23.784,70 | 24.593,30 | 26.857,40 | 29.278,00 | 30.667,60 | 34.148,10 | 53.941,10 | 58.336,90 |
| MTGR 900 | | | | | | | | 24.332,90 | 25.293,00 | 26.636,00 | 27.444,60 | 29.708,70 | 32.129,30 | 33.518,90 | 36.999,40 | 56.792,40 | |
| MTGR1000 | | | | | | | | | 28.537,20 | 29.880,20 | 30.688,80 | 32.952,90 | 35.373,50 | 36.763,10 | 40.243,60 | 60.036,60 | 64.432,40 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 400 | 7.874,80 | 8.038,90 | 8.280,00 | 8.463,70 | 8.840,30 | 9.305,90 | 9.687,20 | | | | | | | | | | |
| MTGR 450 | | 8.503,80 | 8.744,90 | 8.928,60 | 9.305,20 | 9.770,80 | 10.152,10 | 11.963,80 | | | | | | | | | |
| MTGR 500 | | | 9.771,30 | 9.955,00 | 10.331,60 | 10.797,20 | 11.178,50 | 13.037,10 | 13.573,10 | | | | | | | | |
| MTGR 560 | | | | 12.021,90 | 12.398,50 | 12.864,10 | 13.245,40 | 15.153,20 | 15.689,20 | 17.119,40 | 17.781,00 | | | | | | |
| MTGR 630 | | | | | | 14.497,90 | 14.879,20 | 16.836,40 | 17.372,40 | 18.802,60 | 19.464,20 | 21.651,30 | 23.112,30 | | | | |
| MTGR 710 | | | | | | | 17.150,70 | 18.597,40 | 19.133,40 | 20.563,60 | 21.225,20 | 23.412,30 | 24.873,30 | 25.656,20 | 28.188,10 | | |
| MTGR 800 | | | | | | | | 20.420,80 | 20.956,80 | 22.387,00 | 23.048,60 | 25.235,70 | 26.696,70 | 27.479,60 | 30.011,50 | 39.145,50 | 42.563,20 |
| MTGR 900 | | | | | | | | 23.272,10 | 23.808,10 | 25.238,30 | 25.899,90 | 28.087,00 | 29.548,00 | 30.330,90 | 32.862,80 | 41.996,80 | |
| MTGR1000 | | | | | | | | | 27.052,30 | 28.482,50 | 29.144,10 | 31.331,20 | 32.792,20 | 33.575,10 | 36.107,00 | 45.241,00 | 48.658,70 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 400 | 7.956,50 | 8.121,20 | 8.458,30 | 8.635,20 | 9.154,60 | 10.140,60 | 10.412,00 | | | | | | | | | | |
| MTGR 450 | | 8.586,10 | 8.923,20 | 9.100,10 | 9.619,50 | 10.605,50 | 10.876,90 | 13.024,60 | | | | | | | | | |
| MTGR 500 | | | 9.949,60 | 10.126,50 | 10.645,90 | 11.631,90 | 11.903,30 | 14.097,90 | 15.058,00 | | | | | | | | |
| MTGR 560 | | | | 12.193,40 | 12.712,80 | 13.698,80 | 13.970,20 | 16.214,00 | 17.174,10 | 18.517,10 | 19.325,70 | | | | | | |
| MTGR 630 | | | | | | 15.332,60 | 15.604,00 | 17.897,20 | 18.857,30 | 20.200,30 | 21.008,90 | 23.273,00 | 25.693,60 | | | | |
| MTGR 710 | | | | | | | 17.875,50 | 19.658,20 | 20.618,30 | 21.961,30 | 22.769,90 | 25.034,00 | 27.454,60 | 28.844,20 | 32.324,70 | | |
| MTGR 800 | | | | | | | | 21.481,60 | 22.441,70 | 23.784,70 | 24.593,30 | 26.857,40 | 29.278,00 | 30.667,60 | 34.148,10 | *NA/ ND | *NA/ ND |
| MTGR 900 | | | | | | | | 24.332,90 | 25.293,00 | 26.636,00 | 27.444,60 | 29.708,70 | 32.129,30 | 33.518,90 | 36.999,40 | *NA/ ND | |
| MTGR1000 | | | | | | | | | 28.537,20 | 29.880,20 | 30.688,80 | 32.952,90 | 35.373,50 | 36.763,10 | 40.243,60 | *NA/ ND | *NA/ ND |

### ZONE / ZONA 22 - Non Conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 400 | 7.910,60 | 8.079,10 | 8.331,80 | 8.520,40 | 8.909,40 | 9.396,10 | 9.790,60 | | | | | | | | | | |
| MTGR 450 | | 8.544,00 | 8.796,70 | 8.985,30 | 9.374,30 | 9.861,00 | 10.255,50 | 12.127,30 | | | | | | | | | |
| MTGR 500 | | | 9.823,10 | 10.011,70 | 10.400,70 | 10.887,40 | 11.281,90 | 13.200,60 | 13.752,60 | | | | | | | | |
| MTGR 560 | | | | 12.078,60 | 12.467,60 | 12.954,30 | 13.348,80 | 15.316,70 | 15.868,70 | 17.353,30 | 18.041,60 | | | | | | |
| MTGR 630 | | | | | | 14.588,10 | 14.982,60 | 16.999,90 | 17.551,90 | 19.036,50 | 19.724,80 | 22.008,30 | 23.537,40 | | | | |
| MTGR 710 | | | | | | | 17.254,10 | 18.760,90 | 19.312,90 | 20.797,50 | 21.485,80 | 23.769,30 | 25.298,40 | 26.113,80 | 28.755,00 | | |
| MTGR 800 | | | | | | | | 20.584,30 | 21.136,30 | 22.620,90 | 23.309,20 | 25.592,70 | 27.121,80 | 27.937,20 | 30.578,40 | *NA/ ND | *NA/ ND |
| MTGR 900 | | | | | | | | 23.435,60 | 23.987,60 | 25.472,20 | 26.160,50 | 28.444,00 | 29.973,10 | 30.788,50 | 33.429,70 | *NA/ ND | |
| MTGR1000 | | | | | | | | | 27.231,80 | 28.716,40 | 29.404,70 | 31.688,20 | 33.217,30 | 34.032,70 | 36.673,90 | *NA/ ND | *NA/ ND |

### SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 400 | 6.543,90 | 6.688,60 | 6.809,80 | 7.018,90 | 7.303,30 | 7.595,70 | 7.928,60 | | | | | | | | | | |
| MTGR 450 | | 7.146,00 | 7.267,20 | 7.476,30 | 7.760,70 | 8.053,10 | 8.386,00 | 9.655,40 | | | | | | | | | |
| MTGR 500 | | | 8.249,30 | 8.458,40 | 8.742,80 | 9.035,20 | 9.368,10 | 10.637,50 | 11.169,80 | | | | | | | | |
| MTGR 560 | | | | 9.960,40 | 10.244,80 | 10.537,20 | 10.870,10 | 12.139,50 | 12.671,80 | 13.715,30 | 14.072,60 | | | | | | |
| MTGR 630 | | | | | | 12.166,10 | 12.499,00 | 13.768,40 | 14.300,70 | 15.344,20 | 15.701,50 | 17.209,20 | 18.442,50 | | | | |
| MTGR 710 | | | | | | | 14.948,10 | 16.217,50 | 16.749,80 | 17.793,30 | 18.150,60 | 19.658,30 | 20.891,60 | 21.733,20 | 23.677,10 | | |
| MTGR 800 | | | | | | | | 18.008,80 | 18.541,10 | 19.584,60 | 19.941,90 | 21.449,60 | 22.682,90 | 23.524,50 | 25.468,40 | 28.679,60 | 30.256,50 |
| MTGR 900 | | | | | | | | 20.860,20 | 21.392,50 | 22.436,00 | 22.793,30 | 24.301,00 | 25.534,30 | 26.375,90 | 28.319,80 | 31.531,00 | |
| MTGR1000 | | | | | | | | | 24.382,60 | 25.426,10 | 25.783,40 | 27.291,10 | 28.524,40 | 29.366,00 | 31.309,90 | 34.521,10 | 36.098,00 |

## MTZM P/R ATEX

Centrifugal belt driven fan for solid material transport ATEX.
Ventilador centrífugo a transmisión para transporte de material sólido ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM250P/R | 5.309,20 | 5.436,80 | 5.704,80 | | | | | | | | | | | | | | | | | |
| MTZM280P/R | 5.736,10 | 5.863,70 | 6.131,70 | 6.165,60 | 6.376,00 | | | | | | | | | | | | | | | |
| MTZM310P/R | | 6.235,20 | 6.503,20 | 6.537,10 | 6.747,50 | 7.149,00 | 7.341,80 | 7.843,70 | | | | | | | | | | | | |
| MTZM350P/R | | 7.098,70 | 7.366,70 | 7.400,60 | 7.611,00 | 8.012,50 | 8.205,30 | 8.707,20 | | | | | | | | | | | | |
| MTZM400P/R | | | | 8.156,50 | 8.366,90 | 8.768,40 | 8.961,20 | 9.463,10 | 10.261,60 | 10.533,00 | | | | | | | | | | |
| MTZM450P/R | | | | | | 9.294,80 | 9.487,60 | 9.989,50 | 10.788,00 | 11.059,40 | 12.842,10 | 13.802,20 | | | | | | | | |
| MTZM500P/R | | | | | | | 10.536,20 | 11.038,10 | 11.836,60 | 12.108,00 | 13.890,70 | 14.850,80 | 16.193,80 | 17.002,40 | | | | | | |
| MTZM560P/R | | | | | | | | 13.307,20 | 14.105,70 | 14.377,10 | 16.159,80 | 17.119,90 | 18.462,90 | 19.271,50 | 21.535,60 | | | | | |
| MTZM630P/R | | | | | | | | | 15.322,70 | 15.594,10 | 17.376,80 | 18.336,90 | 19.679,90 | 20.488,50 | 22.752,60 | 25.173,20 | | | | |
| MTZM710P/R | | | | | | | | | 16.992,40 | 17.263,80 | 19.046,50 | 20.006,60 | 21.349,60 | 22.158,20 | 24.422,30 | 26.842,90 | 28.232,50 | | | |
| MTZM800P/R | | | | | | | | | | 18.835,60 | 20.618,30 | 21.578,40 | 22.921,40 | 23.730,00 | 25.994,10 | 28.414,70 | 29.804,30 | 33.284,80 | | |
| MTZM900P/R | | | | | | | | | | | | 24.350,90 | 25.693,90 | 26.502,50 | 28.766,60 | 31.187,20 | 32.576,80 | 36.057,30 | | |
| MTZM1000P/R | | | | | | | | | | | | | | 29.714,60 | 31.978,70 | 34.399,30 | 35.788,90 | 39.269,40 | 59.062,40 | 63.458,20 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM 250 P/R | 5.064,40 | 5.159,40 | 5.254,30 | | | | | | | | | | | | | | | | | |
| MTZM 280 P/R | 5.471,60 | 5.566,60 | 5.661,50 | 5.787,90 | 5.952,00 | | | | | | | | | | | | | | | |
| MTZM 310 P/R | | 5.913,40 | 6.008,30 | 6.134,70 | 6.298,80 | 6.539,90 | 6.723,60 | 7.100,20 | | | | | | | | | | | | |
| MTZM 350 P/R | | 6.725,20 | 6.820,10 | 6.946,50 | 7.110,60 | 7.351,70 | 7.535,40 | 7.912,00 | | | | | | | | | | | | |
| MTZM 400 P/R | | | | 7.702,20 | 7.866,30 | 8.107,40 | 8.291,10 | 8.667,70 | 9.133,30 | 9.514,60 | | | | | | | | | | |
| MTZM 450 P/R | | | | | | 8.562,30 | 8.746,00 | 9.122,60 | 9.588,20 | 9.969,50 | 11.781,30 | 12.317,30 | | | | | | | | |
| MTZM 500 P/R | | | | | | | 9.747,80 | 10.124,40 | 10.590,00 | 10.971,30 | 12.829,90 | 13.365,90 | 14.796,10 | 15.457,70 | | | | | | |
| MTZM 560 P/R | | | | | | | | 12.344,10 | 12.809,70 | 13.191,00 | 15.099,00 | 15.635,00 | 17.065,20 | 17.726,80 | 19.913,90 | | | | | |
| MTZM 630 P/R | | | | | | | | | 13.977,50 | 14.358,80 | 16.316,00 | 16.852,00 | 18.282,20 | 18.943,80 | 21.130,90 | 22.591,90 | | | | |
| MTZM 710 P/R | | | | | | | | | 16.157,70 | 16.539,00 | 17.985,70 | 18.521,70 | 19.951,90 | 20.613,50 | 22.800,60 | 24.261,60 | 25.044,50 | | | |
| MTZM 800 P/R | | | | | | | | | | 18.110,80 | 19.557,50 | 20.093,50 | 21.523,70 | 22.185,30 | 24.372,40 | 25.833,40 | 26.616,30 | 29.148,20 | | |
| MTZM 900 P/R | | | | | | | | | | | | 22.866,00 | 24.296,20 | 24.957,80 | 27.144,90 | 28.605,90 | 29.388,80 | 31.920,70 | | |
| MTZM 1000 P/R | | | | | | | | | | | | | | 28.169,90 | 30.357,00 | 31.818,00 | 32.600,90 | 35.132,80 | 44.266,80 | 47.684,50 |

### ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM 250 P/R | 5.111,90 | 5.239,50 | 5.332,60 | | | | | | | | | | | | | | | | | |
| MTZM 280 P/R | 5.519,10 | 5.646,70 | 5.739,80 | 5.869,60 | 6.034,30 | | | | | | | | | | | | | | | |
| MTZM 310 P/R | | 5.993,50 | 6.086,60 | 6.216,40 | 6.381,10 | 6.718,20 | 6.895,10 | 7.414,50 | | | | | | | | | | | | |
| MTZM 350 P/R | | 6.805,30 | 6.898,40 | 7.028,20 | 7.192,90 | 7.530,00 | 7.706,90 | 8.226,30 | | | | | | | | | | | | |
| MTZM 400 P/R | | | | 7.783,90 | 7.948,60 | 8.285,70 | 8.462,60 | 8.982,00 | 9.968,00 | 10.239,40 | | | | | | | | | | |
| MTZM 450 P/R | | | | | | 8.740,60 | 8.917,50 | 9.436,90 | 10.422,90 | 10.694,30 | 12.842,10 | 13.802,20 | | | | | | | | |
| MTZM 500 P/R | | | | | | | 9.919,30 | 10.438,70 | 11.424,70 | 11.696,10 | 13.890,70 | 14.850,80 | 16.193,80 | 17.002,40 | | | | | | |
| MTZM 560 P/R | | | | | | | | 12.658,40 | 13.644,40 | 13.915,80 | 16.159,80 | 17.119,90 | 18.462,90 | 19.271,50 | 21.535,60 | | | | | |
| MTZM 630 P/R | | | | | | | | | 14.812,20 | 15.083,60 | 17.376,80 | 18.336,90 | 19.679,90 | 20.488,50 | 22.752,60 | 25.173,20 | | | | |
| MTZM 710 P/R | | | | | | | | | 16.992,40 | 17.263,80 | 19.046,50 | 20.006,60 | 21.349,60 | 22.158,20 | 24.422,30 | 26.842,90 | 28.232,50 | | | |
| MTZM 800 P/R | | | | | | | | | | 18.835,60 | 20.618,30 | 21.578,40 | 22.921,40 | 23.730,00 | 25.994,10 | 28.414,70 | 29.804,30 | 33.284,80 | | |
| MTZM 900 P/R | | | | | | | | | | | | 24.350,90 | 25.693,90 | 26.502,50 | 28.766,60 | 31.187,20 | 32.576,80 | 36.057,30 | | |
| MTZM 1000 P/R | | | | | | | | | | | | | | 29.714,60 | 31.978,70 | 34.399,30 | 35.788,90 | 39.269,40 | *NA/ND | *NA/ND |

### ZONE / ZONA 22 - Non Conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM 250 P/R | 5.083,50 | 5.183,20 | 5.282,80 | | | | | | | | | | | | | | | | | |
| MTZM 280 P/R | 5.490,70 | 5.590,40 | 5.690,00 | 5.823,70 | 5.992,20 | | | | | | | | | | | | | | | |
| MTZM 310 P/R | | 5.937,20 | 6.036,80 | 6.170,50 | 6.339,00 | 6.591,70 | 6.780,30 | 7.169,30 | | | | | | | | | | | | |
| MTZM 350 P/R | | 6.749,00 | 6.848,60 | 6.982,30 | 7.150,80 | 7.403,50 | 7.592,10 | 7.981,10 | | | | | | | | | | | | |
| MTZM 400 P/R | | | | 7.738,00 | 7.906,50 | 8.159,20 | 8.347,80 | 8.736,80 | 9.223,50 | 9.618,00 | | | | | | | | | | |
| MTZM 450 P/R | | | | | | 8.614,10 | 8.802,70 | 9.191,70 | 9.678,40 | 10.072,90 | 11.944,80 | 12.496,80 | | | | | | | | |
| MTZM 500 P/R | | | | | | | 9.804,50 | 10.193,50 | 10.680,20 | 11.074,70 | 12.993,40 | 13.545,40 | 15.030,00 | 15.718,30 | | | | | | |
| MTZM 560 P/R | | | | | | | | 12.413,20 | 12.899,90 | 13.294,40 | 15.262,50 | 15.814,50 | 17.299,10 | 17.987,40 | 20.270,90 | | | | | |
| MTZM 630 P/R | | | | | | | | | 14.067,70 | 14.462,20 | 16.479,50 | 17.031,50 | 18.516,10 | 19.204,40 | 21.487,90 | 23.017,00 | | | | |
| MTZM 710 P/R | | | | | | | | | 16.247,90 | 16.642,40 | 18.149,20 | 18.701,20 | 20.185,80 | 20.874,10 | 23.157,60 | 24.686,70 | 25.502,10 | | | |
| MTZM 800 P/R | | | | | | | | | | 18.214,20 | 19.721,00 | 20.273,00 | 21.757,60 | 22.445,90 | 24.729,40 | 26.258,50 | 27.073,90 | 29.715,10 | | |
| MTZM 900 P/R | | | | | | | | | | | | 23.045,50 | 24.530,10 | 25.218,40 | 27.501,90 | 29.031,00 | 29.846,40 | 32.487,60 | | |
| MTZM 1000 P/R | | | | | | | | | | | | | | 28.430,50 | 30.714,00 | 32.243,10 | 33.058,50 | 35.699,70 | *NA/ND | *NA/ND |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM 250 P/R | 4.169,60 | 4.237,70 | 4.257,30 | | | | | | | | | | | | | | | | | |
| MTZM 280 P/R | 4.529,90 | 4.598,00 | 4.617,60 | 4.646,80 | 4.791,50 | | | | | | | | | | | | | | | |
| MTZM 310 P/R | | 4.932,50 | 4.952,10 | 4.981,30 | 5.126,00 | 5.247,20 | 5.456,30 | 5.740,70 | | | | | | | | | | | | |
| MTZM 350 P/R | | 5.615,90 | 5.635,50 | 5.664,70 | 5.809,40 | 5.930,60 | 6.139,70 | 6.424,10 | | | | | | | | | | | | |
| MTZM 400 P/R | | | | 6.371,30 | 6.516,00 | 6.637,20 | 6.846,30 | 7.130,70 | 7.423,10 | 7.756,00 | | | | | | | | | | |
| MTZM 450 P/R | | | | | | 7.084,60 | 7.293,70 | 7.578,10 | 7.870,50 | 8.203,40 | 9.472,80 | 10.005,10 | | | | | | | | |
| MTZM 500 P/R | | | | | | | 8.251,20 | 8.535,60 | 8.828,00 | 9.160,90 | 10.430,30 | 10.962,60 | 12.006,10 | 12.363,40 | | | | | | |
| MTZM 560 P/R | | | | | | | | 10.190,50 | 10.482,90 | 10.815,80 | 12.085,20 | 12.617,50 | 13.661,00 | 14.018,30 | 15.526,00 | | | | | |
| MTZM 630 P/R | | | | | | | | | 11.645,60 | 11.978,50 | 13.247,90 | 13.780,20 | 14.823,70 | 15.181,00 | 16.688,70 | 17.922,00 | | | | |
| MTZM 710 P/R | | | | | | | | | 14.003,50 | 14.336,40 | 15.605,80 | 16.138,10 | 17.181,60 | 17.538,90 | 19.046,60 | 20.279,90 | 21.121,50 | | | |
| MTZM 800 P/R | | | | | | | | | | 15.876,10 | 17.145,50 | 17.677,80 | 18.721,30 | 19.078,60 | 20.586,30 | 21.819,60 | 22.661,20 | 24.605,10 | | |
| MTZM 900 P/R | | | | | | | | | | | | 20.450,20 | 21.493,70 | 21.851,00 | 23.358,70 | 24.592,00 | 25.433,60 | 27.377,50 | | |
| MTZM 1000 P/R | | | | | | | | | | | | | | 24.809,10 | 26.316,80 | 27.550,10 | 28.391,70 | 30.335,60 | 33.546,80 | 35.123,70 |

# > TEKSTÜR <

## >100/120



> EXTRACTOR DE ALTA GAMA **CON TEMPORIZADOR Y COMPUERTA ANTIRRETORNO** <

> HIGH-END EXTRACTOR **WITH BACKDRAUGHT DAMPER** <

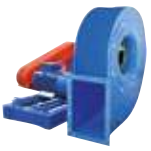




**AATVA ATEX**



**AATVP ATEX**



**AATVM ATEX**



**AATVC ATEX**



**AATVG ATEX**



**AATZA ATEX**



**AATZB ATEX**



**AATZC ATEX**

## DIFFERENT ATEX CONFIGURATIONS OF FREE SHAFT WITHOUT MOTOR OR BELT DRIVEN MOTOR

### MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and against corrosion with polyester powder finishing coat.
- High efficiency single inlet backward curved impeller manufactured in rolling steel sheet protected against corrosion with polyester powder finishing coat. AATZC range with straight blade impeller in steel sheet protected with polyester powder.The AATZA and AATZB series have an open curved radial blade impeller in steel sheet protected with polyester powder.
- Motorized fan with base frame (configuration 12). Full equipped fans including: motor, pulleys, belts, belts guard and shaft guard. Fitted over a base plate.
- Squirrel cage standardized asynchronous IEC motor with ATEX certificate according to the indicated zone and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Pneumatic transport.
- Clean air (AATVA, AATVC) or slightly dusty air transport (AATVP, AATVG/N, AATVM).
- Transport of solid material and textile fibers (AZZA).
- Ambient temperature between -20ºC and 40ºC, transported air temperature according to ATEX classification.

### UNDER REQUEST

- Fans for special voltages.
- Fan with free shaft (configuration 1) or with motor supported on the pedestal side (configuration 9).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Split casing (for big sizes).
- Drain plug.
- Frontal foot.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

***This is a belt driven range, each model can be manufactured at different RPM, in case of order should be indicated the desired RPM for the correct operation of the unit and according to the needs.***

ErP Exempt | 60 +info Hz | Ex

## EJE LIBRE SIN MOTOR O MOTOR A TRANSMISIÓN EN DIFERENTES CONFIGURACIONES ATEX

### CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado y protegida contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en chapa de acero laminado y recubierta contra la corrosión en polvo de resina de poliéster. La serie AATZC lleva turbina de pala recta en chapa de acero protegida con poliéster. Las series AATZA y AATZB llevan turbina de pala radial curvada abierta en chapa de acero protegida con poliéster.
- Ventilador con motor montado sobre bancada (sistema 12). Equipo completo que incluye: motor, correas, poleas, protector de transmisión y eje.
- Motor IEC asíncrono normalizado con certificado ATEX según zona indicada y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

### APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte neumático.
- Transporte de aire limpio (AATVA, AATVC) o ligeramente polvoriento (AATVP, AATVG/N, AATVM).
- Transporte de materia sólida y fibra textil (AZZA).
- Temperatura ambiente entre -20ºC y 40ºC, temperatura aire transportado según clasifiacción ATEX.

### BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Ventilador a eje libre (sistema 1) o con motor en mochila (sistema 9).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Carcasa partida (para tamaños grandes).
- Drenaje.
- Pie frontal.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

***Esta gama es a transmisión, cada modelo se puede fabricar a distintas RPM, en caso de pedido se debe indicar las RPM a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.***

## ACCESSORIES | ACCESORIOS



**INT ATEX** pg.516
Switch for ATEX environments.
Interruptor para funcionar en entonos ATEX.



**SFC** pg.514
Frecuency speed controller.
Variador de velocidad frecuencial.



**RA** pg.459
Inlet protection guard.
Rejilla aspiración.



**AVR** pg.498
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



**JE 45** pg.484
Flexible joint.
Junta elástica.



**SIL-C** pg.505
Duct circular silencer.
Silenciador circular conducto.



**EI** pg.480
Outlet flange.
Embocadura impulsión.



**AVS** pg.499
Spring anti-vibration blocks.
Amortiguador de muelles.



**BA-400** pg.484
Anti-vibrating flange 400°/2h.
Brida antivibratoria 400°/2h.



**AC** pg.479
Connexion flange.
Brida de connexión.



**BAD** pg.484
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



**RI** pg.457
Outlet guard.
Reja impulsión.



**FS** pg.474
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



**AB** pg.502
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



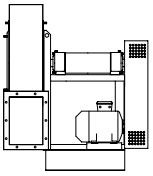
**BIDS ATEX** pg.490
Rectangular-Rectangular anti-vibration flange ATEX.
Brida antivibratoria rectangular-rectangular ATEX.



**BADS ATEX** pg.486
Circular-circular coupling flange ATEX.
Brida antivibratoria circular-circular ATEX.

## ATEX CLASSIFICATION | CLASIFICACIÓN ATEX

| ZONE / ZONA 1 | ZONE / ZONA 2 | ZONE / ZONA 22 | |
|---|---|---|---|
| | | POLVO CONDUCTIVO / CONDUCTIVE DUST | POLVO NO CONDUCTIVO / NON CONDUCTIVE DUST |
| FAN/VENTILADOR (Ex h IIB T4 Gb) + MOTOR (Ex eb IIC T4 Gb) | FAN/VENTILADOR (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) | FAN/VENTILADOR (Ex h IIIC T135ºC Db) + MOTOR (Ex tb IIIC T135ºC Db) | FAN/VENTILADOR (Ex h IIIC T135ºC Dc) + MOTOR (Ex tc IIIB T120ºC Dc) |



## FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)

### AATVA ATEX

High pressure belt driven fan for clean air ATEX.
Ventilador a transmisión de alta presión para aire limpio ATEX.

### ZONE / ZONA 1

| Model \|Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P | 6.497,60 | 6.625,20 | 6.893,20 | 6.927,10 | | | | | | | | | | |
| AATVA 400/P | 7.226,30 | 7.353,90 | 7.621,90 | 7.655,80 | 7.866,20 | | | | | | | | | |
| AATVA 450/P | 7.533,20 | 7.660,80 | 7.928,80 | 7.962,70 | 8.173,10 | 8.574,60 | 8.767,40 | | | | | | | |
| AATVA 500/P | 7.982,50 | 8.110,10 | 8.378,10 | 8.412,00 | 8.622,40 | 9.023,90 | 9.216,70 | | | | | | | |
| AATVA 560/P | 9.901,40 | 10.029,00 | 10.297,00 | 10.330,90 | 10.541,30 | 10.942,80 | 11.135,60 | | | | | | | |
| AATVA 630/P | | 10.617,00 | 10.885,00 | 10.918,90 | 11.129,30 | 11.530,80 | 11.723,60 | 12.225,50 | 13.024,00 | | | | | |
| AATVA 710/P | | | | 12.936,40 | 13.146,80 | 13.548,30 | 13.741,10 | 14.243,00 | 15.041,50 | 15.312,90 | | | | |
| AATVA 800/P | | | | | 15.063,80 | 15.465,30 | 15.658,10 | 16.160,00 | 16.958,50 | 17.229,90 | 19.012,60 | | | |
| AATVA 900/P | | | | | | | 18.657,50 | 19.159,40 | 19.957,90 | 20.229,30 | 22.012,00 | 22.972,10 | 24.315,10 | |
| AATVA 1000/P | | | | | | | | 24.857,70 | 25.656,20 | 25.927,60 | 27.710,30 | 28.670,40 | 30.013,40 | 30.822,00 |

### ZONE / ZONA 2

| Model \|Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P | 6.450,10 | 6.545,10 | 6.640,00 | 6.766,40 | | | | | | | | | | |
| AATVA 400/P | 7.178,80 | 7.273,80 | 7.368,70 | 7.495,10 | 7.659,20 | | | | | | | | | |
| AATVA 450/P | 7.485,70 | 7.580,70 | 7.675,60 | 7.802,00 | 7.966,10 | 8.207,20 | 8.390,90 | | | | | | | |
| AATVA 500/P | 7.935,00 | 8.030,00 | 8.124,90 | 8.251,30 | 8.415,40 | 8.656,50 | 8.840,20 | | | | | | | |
| AATVA 560/P | 9.853,90 | 9.948,90 | 10.043,80 | 10.170,20 | 10.334,30 | 10.575,40 | 10.759,10 | | | | | | | |
| AATVA 630/P | | 10.536,90 | 10.631,80 | 10.758,20 | 10.922,30 | 11.163,40 | 11.347,10 | 11.723,70 | 12.189,30 | | | | | |
| AATVA 710/P | | | | 12.775,70 | 12.939,80 | 13.180,90 | 13.364,60 | 13.741,20 | 14.206,80 | 14.588,10 | | | | |
| AATVA 800/P | | | | | 14.856,80 | 15.097,90 | 15.281,60 | 15.658,20 | 16.123,80 | 16.505,10 | 17.951,80 | | | |
| AATVA 900/P | | | | | | | 18.281,00 | 18.657,60 | 19.123,20 | 19.504,50 | 20.951,20 | 21.487,20 | 22.917,40 | |
| AATVA 1000/P | | | | | | | | 24.355,90 | 24.821,50 | 25.202,80 | 26.649,50 | 27.185,50 | 28.615,70 | 29.277,30 |

### ZONE / ZONA 22 - CONDUCTIVE DUST / POLVO CONDUCTIVO

| Model \|Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P | 6.497,60 | 6.625,20 | 6.718,30 | 6.848,10 | | | | | | | | | | |
| AATVA 400/P | 7.226,30 | 7.353,90 | 7.447,00 | 7.576,80 | 7.741,50 | | | | | | | | | |
| AATVA 450/P | 7.533,20 | 7.660,80 | 7.753,90 | 7.883,70 | 8.048,40 | 8.385,50 | 8.562,40 | | | | | | | |
| AATVA 500/P | 7.982,50 | 8.110,10 | 8.203,20 | 8.333,00 | 8.497,70 | 8.834,80 | 9.011,70 | | | | | | | |
| AATVA 560/P | 9.901,40 | 10.029,00 | 10.122,10 | 10.251,90 | 10.416,60 | 10.753,70 | 10.930,60 | | | | | | | |
| AATVA 630/P | | 10.617,00 | 10.710,10 | 10.839,90 | 11.004,60 | 11.341,70 | 11.518,60 | 12.038,00 | 13.024,00 | | | | | |
| AATVA 710/P | | | | 12.857,40 | 13.022,10 | 13.359,20 | 13.536,10 | 14.055,50 | 15.041,50 | 15.312,90 | | | | |
| AATVA 800/P | | | | | 14.939,10 | 15.276,20 | 15.453,10 | 15.972,50 | 16.958,50 | 17.229,90 | 19.012,60 | | | |
| AATVA 900/P | | | | | | | 18.452,50 | 18.971,90 | 19.957,90 | 20.229,30 | 22.012,00 | 22.972,10 | 24.315,10 | |
| AATVA 1000/P | | | | | | | | 24.670,20 | 25.656,20 | 25.927,60 | 27.710,30 | 28.670,40 | 30.013,40 | 30.822,00 |

## ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P | 6.469,20 | 6.568,90 | 6.668,50 | 6.802,20 | | | | | | | | | | |
| AATVA 400/P | 7.197,90 | 7.297,60 | 7.397,20 | 7.530,90 | 7.699,40 | | | | | | | | | |
| AATVA 450/P | 7.504,80 | 7.604,50 | 7.704,10 | 7.837,80 | 8.006,30 | 8.259,00 | 8.447,60 | | | | | | | |
| AATVA 500/P | 7.954,10 | 8.053,80 | 8.153,40 | 8.287,10 | 8.455,60 | 8.708,30 | 8.896,90 | | | | | | | |
| AATVA 560/P | 9.873,00 | 9.972,70 | 10.072,30 | 10.206,00 | 10.374,50 | 10.627,20 | 10.815,80 | | | | | | | |
| AATVA 630/P | | 10.560,70 | 10.660,30 | 10.794,00 | 10.962,50 | 11.215,20 | 11.403,80 | 11.792,80 | 12.279,50 | | | | | |
| AATVA 710/P | | | | 12.811,50 | 12.980,00 | 13.232,70 | 13.421,30 | 13.810,30 | 14.297,00 | 14.691,50 | | | | |
| AATVA 800/P | | | | | 14.897,00 | 15.149,70 | 15.338,30 | 15.727,30 | 16.214,00 | 16.608,50 | 18.115,30 | | | |
| AATVA 900/P | | | | | | | 18.337,70 | 18.726,70 | 19.213,40 | 19.607,90 | 21.114,70 | 21.666,70 | 23.151,30 | |
| AATVA 1000/P | | | | | | | | 24.425,00 | 24.911,70 | 25.306,20 | 26.813,00 | 27.365,00 | 28.849,60 | 29.537,90 |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P | 5.429,60 | 5.497,70 | 5.517,30 | 5.546,50 | | | | | | | | | | |
| AATVA 400/P | 6.126,20 | 6.194,30 | 6.213,90 | 6.243,10 | 6.387,80 | | | | | | | | | |
| AATVA 450/P | 6.430,60 | 6.498,70 | 6.518,30 | 6.547,50 | 6.692,20 | 6.813,40 | 7.022,50 | | | | | | | |
| AATVA 500/P | 6.877,40 | 6.945,50 | 6.965,10 | 6.994,30 | 7.139,00 | 7.260,20 | 7.469,30 | | | | | | | |
| AATVA 560/P | 8.409,10 | 8.477,20 | 8.496,80 | 8.526,00 | 8.670,70 | 8.791,90 | 9.001,00 | | | | | | | |
| AATVA 630/P | | 9.065,20 | 9.084,80 | 9.114,00 | 9.258,70 | 9.379,90 | 9.589,00 | 9.873,40 | 10.165,80 | | | | | |
| AATVA 710/P | | | | 10.904,60 | 11.049,30 | 11.170,50 | 11.379,60 | 11.664,00 | 11.956,40 | 12.289,30 | | | | |
| AATVA 800/P | | | | | 12.934,40 | 13.055,60 | 13.264,70 | 13.549,10 | 13.841,50 | 14.174,40 | 15.443,80 | | | |
| AATVA 900/P | | | | | | | 16.256,60 | 16.541,00 | 16.833,40 | 17.166,30 | 18.435,70 | 18.968,00 | 20.011,50 | |
| AATVA 1000/P | | | | | | | | 21.546,10 | 21.838,50 | 22.171,40 | 23.440,80 | 23.973,10 | 25.016,60 | 25.373,90 |

## AATVP ATEX

High pressure belt driven fan for clean or slightly dusty air ATEX.
Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX.

## ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 |
| AATVP 400 | 7.472,90 | 7.600,50 | 7.868,50 | 7.902,40 | 8.112,80 | | | | | | |
| AATVP 450 | | 8.043,10 | 8.311,10 | 8.345,00 | 8.555,40 | 8.956,90 | 9.149,70 | | | | |
| AATVP 500 | | | | 9.322,00 | 9.532,40 | 9.933,90 | 10.126,70 | 10.628,60 | 11.427,10 | 11.698,50 | |
| AATVP 560 | | | | 11.472,80 | 11.683,20 | 12.084,70 | 12.277,50 | 12.779,40 | 13.577,90 | 13.849,30 | |
| AATVP 630 | | | | | 12.372,30 | 12.773,80 | 12.966,60 | 13.468,50 | 14.267,00 | 14.538,40 | 16.321,10 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 |
| AATVP 710 | 14.994,00 | 15.495,90 | 16.294,40 | 16.565,80 | 18.348,50 | 19.308,60 | 20.651,60 | 21.460,20 | | | | | |
| AATVP 800 | | 17.874,30 | 18.672,80 | 18.944,20 | 20.726,90 | 21.687,00 | 23.030,00 | 23.838,60 | 26.102,70 | | | | |
| AATVP 900 | | | | | 24.130,70 | 25.090,80 | 26.433,80 | 27.242,40 | 29.506,50 | 31.927,10 | 33.316,70 | 36.797,20 | |
| AATVP 1000 | | | | | 28.953,40 | 29.913,50 | 31.256,50 | 32.065,10 | 34.329,20 | 36.749,80 | 38.139,40 | 41.619,90 | 61.412,90 |

## ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 |
| AATVP 400 | 7.131,90 | 7.226,90 | 7.321,80 | 7.448,20 | 7.612,30 | | | | | | |
| AATVP 450 | | 7.598,00 | 7.692,90 | 7.819,30 | 7.983,40 | 8.224,50 | 8.408,20 | | | | |
| AATVP 500 | | | | 8.749,50 | 8.913,60 | 9.154,70 | 9.338,40 | 9.715,00 | 10.180,60 | 10.561,90 | |
| AATVP 560 | | | | 10.850,90 | 11.015,00 | 11.256,10 | 11.439,80 | 11.816,40 | 12.282,00 | 12.663,30 | |
| AATVP 630 | | | | | 12.165,30 | 12.406,40 | 12.590,10 | 12.966,70 | 13.432,30 | 13.813,60 | 15.260,30 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 |
| AATVP 710 | 14.617,50 | 14.994,10 | 15.459,70 | 15.841,00 | 17.287,70 | 17.823,70 | 19.253,90 | 19.915,50 | | | | | |
| AATVP 800 | | 17.372,50 | 17.838,10 | 18.219,40 | 19.666,10 | 20.202,10 | 21.632,30 | 22.293,90 | 24.481,00 | | | | |
| AATVP 900 | | | | | 23.069,90 | 23.605,90 | 25.036,10 | 25.697,70 | 27.884,80 | 29.345,80 | 30.128,70 | 32.660,60 | |
| AATVP 1000 | | | | | 27.892,60 | 28.428,60 | 29.858,80 | 30.520,40 | 32.707,50 | 34.168,50 | 34.951,40 | 37.483,30 | 46.617,30 |

## ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 |
| AATVP 400 | 7.179,40 | 7.307,00 | 7.400,10 | 7.529,90 | 7.694,60 | | | | | | |
| AATVP 450 | | 7.678,10 | 7.771,20 | 7.901,00 | 8.065,70 | 8.402,80 | 8.579,70 | | | | |
| AATVP 500 | | | | 8.831,20 | 8.995,90 | 9.333,00 | 9.509,90 | 10.029,30 | 11.015,30 | 11.286,70 | |
| AATVP 560 | | | | 10.932,60 | 11.097,30 | 11.434,40 | 11.611,30 | 12.130,70 | 13.116,70 | 13.388,10 | |
| AATVP 630 | | | | | 12.247,60 | 12.584,70 | 12.761,60 | 13.281,00 | 14.267,00 | 14.538,40 | 16.321,10 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 |
| AATVP 710 | 14.789,00 | 15.308,40 | 16.294,40 | 16.565,80 | 18.348,50 | 19.308,60 | 20.651,60 | 21.460,20 | | | | | |
| AATVP 800 | | 17.686,80 | 18.672,80 | 18.944,20 | 20.726,90 | 21.687,00 | 23.030,00 | 23.838,60 | 26.102,70 | | | | |
| AATVP 900 | | | | | 24.130,70 | 25.090,80 | 26.433,80 | 27.242,40 | 29.506,50 | 31.927,10 | 33.316,70 | 36.797,20 | |
| AATVP 1000 | | | | | 28.953,40 | 29.913,50 | 31.256,50 | 32.065,10 | 34.329,20 | 36.749,80 | 38.139,40 | 41.619,90 | * NA/ ND |

## ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 |
| AATVP 400 | 7.151,00 | 7.250,70 | 7.350,30 | 7.484,00 | 7.652,50 | | | | | | |
| AATVP 450 | | 7.621,80 | 7.721,40 | 7.855,10 | 8.023,60 | 8.276,30 | 8.464,90 | | | | |
| AATVP 500 | | | | 8.785,30 | 8.953,80 | 9.206,50 | 9.395,10 | 9.784,10 | 10.270,80 | 10.665,30 | |
| AATVP 560 | | | | 10.886,70 | 11.055,20 | 11.307,90 | 11.496,50 | 11.885,50 | 12.372,20 | 12.766,70 | |
| AATVP 630 | | | | | 12.205,50 | 12.458,20 | 12.646,80 | 13.035,80 | 13.522,50 | 13.917,00 | 15.423,80 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 |
| AATVP 710 | 14.674,20 | 15.063,20 | 15.549,90 | 15.944,40 | 17.451,20 | 18.003,20 | 19.487,80 | 20.176,10 | | | | | |
| AATVP 800 | | 17.441,60 | 17.928,30 | 18.322,80 | 19.829,60 | 20.381,60 | 21.866,20 | 22.554,50 | 24.838,00 | | | | |
| AATVP 900 | | | | | 23.233,40 | 23.785,40 | 25.270,00 | 25.958,30 | 28.241,80 | 29.770,90 | 30.586,30 | 33.227,50 | |
| AATVP 1000 | | | | | 28.056,10 | 28.608,10 | 30.092,70 | 30.781,00 | 33.064,50 | 34.593,60 | 35.409,00 | 38.050,20 | * NA/ ND |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 |
| AATVP 400 | 6.091,60 | 6.159,70 | 6.179,30 | 6.208,50 | 6.353,20 | | | | | | |
| AATVP 450 | | 6.596,40 | 6.616,00 | 6.645,20 | 6.789,90 | 6.911,10 | 7.120,20 | | | | |
| AATVP 500 | | | | 7.492,60 | 7.637,30 | 7.758,50 | 7.967,60 | 8.252,00 | 8.544,40 | 8.877,30 | |
| AATVP 560 | | | | 9.071,00 | 9.215,70 | 9.336,90 | 9.546,00 | 9.830,40 | 10.122,80 | 10.455,70 | |
| AATVP 630 | | | | | 10.321,80 | 10.443,00 | 10.652,10 | 10.936,50 | 11.228,90 | 11.561,80 | 12.831,20 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 |
| AATVP 710 | 12.674,60 | 12.959,00 | 13.251,40 | 13.584,30 | 14.853,70 | 15.386,00 | 16.429,50 | 16.786,80 | | | | | |
| AATVP 800 | | 15.305,10 | 15.597,50 | 15.930,40 | 17.199,80 | 17.732,10 | 18.775,60 | 19.132,90 | 20.640,60 | | | | |
| AATVP 900 | | | | | 20.433,40 | 20.965,70 | 22.009,20 | 22.366,50 | 23.874,20 | 25.107,50 | 25.949,10 | 27.893,00 | |
| AATVP 1000 | | | | | 25.157,50 | 25.689,80 | 26.733,30 | 27.090,60 | 28.598,30 | 29.831,60 | 30.673,20 | 32.617,10 | 35.828,30 |

## AATVM ATEX

High pressure belt driven fan for clean or slightly dusty air ATEX.
Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX.

## ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVM 350 | 6.712,20 | 6.839,80 | 7.107,80 | 7.141,70 | 7.352,10 | 7.753,60 | 7.946,40 | | | | | | | |
| AATVM 400 | | 7.538,90 | 7.806,90 | 7.840,80 | 8.051,20 | 8.452,70 | 8.645,50 | 9.147,40 | 9.945,90 | 10.217,30 | | | | |
| AATVM 450 | | | | 8.423,90 | 8.634,30 | 9.035,80 | 9.228,60 | 9.730,50 | 10.529,00 | 10.800,40 | | | | |
| AATVM 500 | | | | | | 9.694,70 | 9.887,50 | 10.389,40 | 11.187,90 | 11.459,30 | 13.242,00 | 14.202,10 | 15.545,10 | |
| AATVM 560 | | | | | | | 12.065,30 | 12.567,20 | 13.365,70 | 13.637,10 | 15.419,80 | 16.379,90 | 17.722,90 | 18.531,50 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 |
| AATVM 630 | 14.397,80 | 14.669,20 | 16.451,90 | 17.412,00 | 18.755,00 | 19.563,60 | 21.827,70 | 24.248,30 | | | | | | | | |
| AATVM 710 | 17.258,90 | 17.530,30 | 19.313,00 | 20.273,10 | 21.616,10 | 22.424,70 | 24.688,80 | 27.109,40 | 28.499,00 | | | | | | | |
| AATVM 800 | | 21.089,90 | 22.872,60 | 23.832,70 | 25.175,70 | 25.984,30 | 28.248,40 | 30.669,00 | 32.058,60 | 35.539,10 | | | | | | |
| AATVM 900 | | | | 27.927,20 | 29.270,20 | 30.078,80 | 32.342,90 | 34.763,50 | 36.153,10 | 39.633,60 | 59.426,60 | 63.822,40 | | | | |
| AATVM 1000 | | 31.077,40 | 32.860,10 | 33.820,20 | 35.163,20 | 35.971,80 | 38.235,90 | 40.656,50 | 42.046,10 | 45.526,60 | 65.319,60 | 69.715,40 | 80.166,80 | 89.733,40 | 101.076,30 | 120.234,80 |

## ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVM 350 | 6.371,20 | 6.466,20 | 6.561,10 | 6.687,50 | 6.851,60 | 7.092,70 | 7.276,40 | | | | | | | |
| AATVM 400 | | 7.165,20 | 7.260,10 | 7.386,50 | 7.550,60 | 7.791,70 | 7.975,40 | 8.352,00 | 8.817,60 | 9.198,90 | | | | |
| AATVM 450 | | | | 7.898,20 | 8.062,30 | 8.303,40 | 8.487,10 | 8.863,70 | 9.329,30 | 9.710,60 | | | | |
| AATVM 500 | | | | | | 9.327,30 | 9.511,00 | 9.887,60 | 10.353,20 | 10.734,50 | 12.593,10 | 13.129,10 | 14.559,30 | |
| AATVM 560 | | | | | | | 11.688,80 | 12.065,40 | 12.531,00 | 12.912,30 | 14.820,30 | 15.356,30 | 16.786,50 | 17.448,10 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 |
| AATVM 630 | 13.563,10 | 13.944,40 | 15.901,70 | 16.437,70 | 17.867,90 | 18.529,50 | 20.716,60 | 22.177,60 | | | | | | | | |
| AATVM 710 | 16.424,20 | 16.805,50 | 18.252,20 | 18.788,20 | 20.218,40 | 20.880,00 | 23.067,10 | 24.528,10 | 25.311,00 | | | | | | | |
| AATVM 800 | | 20.365,10 | 21.811,80 | 22.347,80 | 23.778,00 | 24.439,60 | 26.626,70 | 28.087,70 | 28.870,60 | 31.402,50 | | | | | | |
| AATVM 900 | | | | 26.442,30 | 27.872,50 | 28.534,10 | 30.721,20 | 32.182,20 | 32.965,10 | 35.497,00 | 44.631,00 | 48.048,70 | | | | |
| AATVM 1000 | | 30.352,60 | 31.799,30 | 32.335,30 | 33.765,50 | 34.427,10 | 36.614,20 | 38.075,20 | 38.858,10 | 41.390,00 | 50.524,00 | 53.941,70 | 60.666,50 | 66.771,10 | 74.724,90 | 87.483,00 |

## ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVM 350 | 6.418,70 | 6.546,30 | 6.639,40 | 6.769,20 | 6.933,90 | 7.271,00 | 7.447,90 | | | | | | | |
| AATVM 400 | | 7.245,30 | 7.338,40 | 7.468,20 | 7.632,90 | 7.970,00 | 8.146,90 | 8.666,30 | 9.652,30 | 9.923,70 | | | | |
| AATVM 450 | | | | 7.979,90 | 8.144,60 | 8.481,70 | 8.658,60 | 9.178,00 | 10.164,00 | 10.435,40 | | | | |
| AATVM 500 | | | | | | 9.505,60 | 9.682,50 | 10.201,90 | 11.187,90 | 11.459,30 | 13.653,90 | 14.614,00 | 15.957,00 | |
| AATVM 560 | | | | | | | 11.860,30 | 12.379,70 | 13.365,70 | 13.637,10 | 15.881,10 | 16.841,20 | 18.184,20 | 18.992,80 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 |
| AATVM 630 | 14.397,80 | 14.669,20 | 16.962,50 | 17.922,60 | 19.265,60 | 20.074,20 | 22.338,30 | 24.758,90 | | | | | | | | |
| AATVM 710 | 17.258,90 | 17.530,30 | 19.313,00 | 20.273,10 | 21.616,10 | 22.424,70 | 24.688,80 | 27.109,40 | 28.499,00 | | | | | | | |
| AATVM 800 | | 21.089,90 | 22.872,60 | 23.832,70 | 25.175,70 | 25.984,30 | 28.248,40 | 30.669,00 | 32.058,60 | 35.539,10 | | | | | | |
| AATVM 900 | | | | 27.927,20 | 29.270,20 | 30.078,80 | 32.342,90 | 34.763,50 | 36.153,10 | 39.633,60 | *NA/ ND | *NA/ ND | | | | |
| AATVM 1000 | | 31.077,40 | 32.860,10 | 33.820,20 | 35.163,20 | 35.971,80 | 38.235,90 | 40.656,50 | 42.046,10 | 45.526,60 | *NA/ ND | *NA/ ND | *NA/ ND | *NA/ ND | *NA/ ND | *NA/ ND |

## ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVM 350 | 6.390,30 | 6.490,00 | 6.589,60 | 6.723,30 | 6.891,80 | 7.144,50 | 7.333,10 | | | | | | | |
| AATVM 400 | | 7.189,00 | 7.288,60 | 7.422,30 | 7.590,80 | 7.843,50 | 8.032,10 | 8.421,10 | 8.907,80 | 9.302,30 | | | | |
| AATVM 450 | | | | 7.934,00 | 8.102,50 | 8.355,20 | 8.543,80 | 8.932,80 | 9.419,50 | 9.814,00 | | | | |
| AATVM 500 | | | | | | 9.379,10 | 9.567,70 | 9.956,70 | 10.443,40 | 10.837,90 | 12.756,60 | 13.308,60 | 14.793,20 | |
| AATVM 560 | | | | | | | 11.745,50 | 12.134,50 | 12.621,20 | 13.015,70 | 14.983,80 | 15.535,80 | 17.020,40 | 17.708,70 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 |
| AATVM 630 | 13.653,30 | 14.047,80 | 16.065,20 | 16.617,20 | 18.101,80 | 18.790,10 | 21.073,60 | 22.602,70 | | | | | | | | |
| AATVM 710 | 16.514,40 | 16.908,90 | 18.415,70 | 18.967,70 | 20.452,30 | 21.140,60 | 23.424,10 | 24.953,20 | 25.768,60 | | | | | | | |
| AATVM 800 | | 20.468,50 | 21.975,30 | 22.527,30 | 24.011,90 | 24.700,20 | 26.983,70 | 28.512,80 | 29.328,20 | 31.969,40 | | | | | | |
| AATVM 900 | | | | 26.621,80 | 28.106,40 | 28.794,70 | 31.078,20 | 32.607,30 | 33.422,70 | 36.063,90 | *NA/ ND | *NA/ ND | | | | |
| AATVM 1000 | | 30.456,00 | 31.962,80 | 32.514,80 | 33.999,40 | 34.687,70 | 36.971,20 | 38.500,30 | 39.315,70 | 41.956,90 | *NA/ ND | *NA/ ND | *NA/ ND | *NA/ ND | *NA/ ND | *NA/ ND |

## SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATVM 350 | 5.362,90 | 5.431,00 | 5.450,60 | 5.479,80 | 5.624,50 | 5.745,70 | 5.954,80 | | | | | | | |
| AATVM 400 | | 6.098,00 | 6.117,60 | 6.146,80 | 6.291,50 | 6.412,70 | 6.621,80 | 6.906,20 | 7.198,60 | 7.531,50 | | | | |
| AATVM 450 | | | | 6.655,90 | 6.800,60 | 6.921,80 | 7.130,90 | 7.415,30 | 7.707,70 | 8.040,60 | | | | |
| AATVM 500 | | | | | | 7.931,10 | 8.140,20 | 8.424,60 | 8.717,00 | 9.049,90 | 10.319,30 | 10.851,60 | 11.895,10 | |
| AATVM 560 | | | | | | | 9.795,20 | 10.079,60 | 10.372,00 | 10.704,90 | 11.974,30 | 12.506,60 | 13.550,10 | 13.907,40 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 160 | 200 |
| AATVM 630 | 11.359,60 | 11.692,50 | 12.961,90 | 13.494,20 | 14.537,70 | 14.895,00 | 16.402,70 | 17.636,00 | | | | | | | | |
| AATVM 710 | 14.215,70 | 14.548,60 | 15.818,00 | 16.350,30 | 17.393,80 | 17.751,10 | 19.258,80 | 20.492,10 | 21.333,70 | | | | | | | |
| AATVM 800 | | 18.076,20 | 19.345,60 | 19.877,90 | 20.921,40 | 21.278,70 | 22.786,40 | 24.019,70 | 24.861,30 | 26.805,20 | | | | | | |
| AATVM 900 | | | | 23.802,20 | 24.845,70 | 25.203,00 | 26.710,70 | 27.944,00 | 28.785,60 | 30.729,50 | 33.940,70 | 35.517,60 | | | | |
| AATVM 1000 | | 27.794,90 | 29.064,30 | 29.596,60 | 30.640,10 | 30.997,40 | 32.505,10 | 33.738,40 | 34.580,00 | 36.523,90 | 39.735,10 | 41.312,00 | 48.234,40 | 50.843,30 | 53.828,40 | 58.575,00 |

## AATVC ATEX

High pressure belt driven fan for clean air ATEX.
Ventilador a transmisión de alta presión para aire limpio ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVC 500 | 9.015,90 | 9.143,50 | 9.411,50 | 9.445,40 | 9.655,80 | 10.057,30 | 10.250,10 | 10.752,00 | 11.550,50 | | | | | | | | | |
| AATVC 560 | | 11.178,30 | 11.446,30 | 11.480,20 | 11.690,60 | 12.092,10 | 12.284,90 | 12.786,80 | 13.585,30 | | | | | | | | | |
| AATVC 630 | | | | 12.142,30 | 12.352,70 | 12.754,20 | 12.947,00 | 13.448,90 | 14.247,40 | 14.518,80 | 16.301,50 | | | | | | | |
| AATVC 710 | | | | | | 14.764,20 | 14.957,00 | 15.458,90 | 16.257,40 | 16.528,80 | 18.311,50 | 19.271,60 | | | | | | |
| AATVC 800 | | | | | | | 17.362,40 | 17.864,30 | 18.662,80 | 18.934,20 | 20.716,90 | 21.677,00 | 23.020,00 | 23.828,60 | | | | |
| AATVC 900 | | | | | | | | | 21.921,20 | 22.192,60 | 23.975,30 | 24.935,40 | 26.278,40 | 27.087,00 | 29.351,10 | 31.771,70 | | |
| AATVC 1000 | | | | | | | | | | | 28.524,20 | 29.484,30 | 30.827,30 | 31.635,90 | 33.900,00 | 36.320,60 | 37.710,20 | 41.190,70 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVC 500 | 8.556,50 | 8.651,50 | 8.746,40 | 8.872,80 | 9.036,90 | 9.278,00 | 9.461,70 | 9.838,30 | 10.303,90 | | | | | | | | | |
| AATVC 560 | | 10.637,00 | 10.731,90 | 10.858,30 | 11.022,40 | 11.263,50 | 11.447,20 | 11.823,80 | 12.289,40 | | | | | | | | | |
| AATVC 630 | | | | 11.981,60 | 12.145,70 | 12.386,80 | 12.570,50 | 12.947,10 | 13.412,70 | 13.794,00 | 15.240,70 | | | | | | | |
| AATVC 710 | | | | | | 14.396,80 | 14.580,50 | 14.957,10 | 15.422,70 | 15.804,00 | 17.250,70 | 17.786,70 | | | | | | |
| AATVC 800 | | | | | | | 16.985,90 | 17.362,50 | 17.828,10 | 18.209,40 | 19.656,10 | 20.192,10 | 21.622,30 | 22.283,90 | | | | |
| AATVC 900 | | | | | | | | | 21.086,50 | 21.467,80 | 22.914,50 | 23.450,50 | 24.880,70 | 25.542,30 | 27.729,40 | 29.190,40 | | |
| AATVC 1000 | | | | | | | | | | | 27.463,40 | 27.999,40 | 29.429,60 | 30.091,20 | 32.278,30 | 33.739,30 | 34.522,20 | 37.054,10 |

### ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVC 500 | 8.604,00 | 8.731,60 | 8.824,70 | 8.954,50 | 9.119,20 | 9.456,30 | 9.633,20 | 10.152,60 | 11.138,60 | | | | | | | | | |
| AATVC 560 | | 10.717,10 | 10.810,20 | 10.940,00 | 11.104,70 | 11.441,80 | 11.618,70 | 12.138,10 | 13.124,10 | | | | | | | | | |
| AATVC 630 | | | | 12.063,30 | 12.228,00 | 12.565,10 | 12.742,00 | 13.261,40 | 14.247,40 | 14.518,80 | 16.301,50 | | | | | | | |
| AATVC 710 | | | | | | 14.575,10 | 14.752,00 | 15.271,40 | 16.257,40 | 16.528,80 | 18.311,50 | 19.271,60 | | | | | | |
| AATVC 800 | | | | | | | 17.157,40 | 17.676,80 | 18.662,80 | 18.934,20 | 20.716,90 | 21.677,00 | 23.020,00 | 23.828,60 | | | | |
| AATVC 900 | | | | | | | | | 21.921,20 | 22.192,60 | 23.975,30 | 24.935,40 | 26.278,40 | 27.087,00 | 29.351,10 | 31.771,70 | | |
| AATVC 1000 | | | | | | | | | | | 28.524,20 | 29.484,30 | 30.827,30 | 31.635,90 | 33.900,00 | 36.320,60 | 37.710,20 | 41.190,70 |

### ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVC 500 | 8.575,60 | 8.675,30 | 8.774,90 | 8.908,60 | 9.077,10 | 9.329,80 | 9.518,40 | 9.907,40 | 10.394,10 | | | | | | | | | |
| AATVC 560 | | 10.660,80 | 10.760,40 | 10.894,10 | 11.062,60 | 11.315,30 | 11.503,90 | 11.892,90 | 12.379,60 | | | | | | | | | |
| AATVC 630 | | | | 12.017,40 | 12.185,90 | 12.438,60 | 12.627,20 | 13.016,20 | 13.502,90 | 13.897,40 | 15.404,20 | | | | | | | |
| AATVC 710 | | | | | | 14.448,60 | 14.637,20 | 15.026,20 | 15.512,90 | 15.907,40 | 17.414,20 | 17.966,20 | | | | | | |
| AATVC 800 | | | | | | | 17.042,60 | 17.431,60 | 17.918,30 | 18.312,80 | 19.819,60 | 20.371,60 | 21.856,20 | 22.544,50 | | | | |
| AATVC 900 | | | | | | | | | 21.176,70 | 21.571,20 | 23.078,00 | 23.630,00 | 25.114,60 | 25.802,90 | 28.086,40 | 29.615,50 | | |
| AATVC 1000 | | | | | | | | | | | 27.626,90 | 28.178,90 | 29.663,50 | 30.351,80 | 32.635,30 | 34.164,40 | 34.979,80 | 37.621,00 |

### SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVC 500 | 7.499,00 | 7.567,10 | 7.586,70 | 7.615,90 | 7.760,60 | 7.881,80 | 8.090,90 | 8.375,30 | 8.667,70 | | | | | | | | | |
| AATVC 560 | | 9.029,70 | 9.049,30 | 9.078,50 | 9.223,20 | 9.344,40 | 9.553,50 | 9.837,90 | 10.130,30 | | | | | | | | | |
| AATVC 630 | | | | 10.157,30 | 10.302,00 | 10.423,20 | 10.632,30 | 10.916,70 | 11.209,10 | 11.542,00 | 12.811,40 | | | | | | | |
| AATVC 710 | | | | | | 12.428,40 | 12.637,50 | 12.921,90 | 13.214,30 | 13.547,20 | 14.816,60 | 15.348,90 | | | | | | |
| AATVC 800 | | | | | | | 15.010,90 | 15.295,30 | 15.587,70 | 15.920,60 | 17.190,00 | 17.722,30 | 18.765,80 | 19.123,10 | | | | |
| AATVC 900 | | | | | | | | | 18.675,70 | 19.008,60 | 20.278,00 | 20.810,30 | 21.853,80 | 22.211,10 | 23.718,80 | 24.952,10 | | |
| AATVC 1000 | | | | | | | | | | | 24.728,40 | 25.260,70 | 26.304,20 | 26.661,50 | 28.169,20 | 29.402,50 | 30.244,10 | 32.188,00 |

## AATVG ATEX

High pressure belt driven fan for clean air ATEX.
Ventilador a transmisión de alta presión para aire limpio ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| AATVG/N 450 | 8.297,70 | 8.425,30 | 8.693,30 | 8.727,20 | 8.937,60 | 9.339,10 | 9.531,90 | 10.033,80 | 10.832,30 | 11.103,70 | | | | | | | |
| AATVG/N 500 | | 9.096,60 | 9.364,60 | 9.398,50 | 9.608,90 | 10.010,40 | 10.203,20 | 10.705,10 | 11.503,60 | 11.775,00 | 13.557,70 | 14.517,80 | | | | | |
| AATVG/N 560 | | | | | | 12.104,40 | 12.297,20 | 12.799,10 | 13.597,60 | 13.869,00 | 15.651,70 | 16.611,80 | 17.954,80 | | | | |
| AATVG/N 630 | | | | | | | | 13.858,30 | 14.656,80 | 14.928,20 | 16.710,90 | 17.671,00 | 19.014,00 | 19.822,60 | 22.086,70 | | |
| AATVG/N 710 | | | | | | | | | 17.364,90 | 17.636,30 | 19.419,00 | 20.379,10 | 21.722,10 | 22.530,70 | 24.794,80 | 27.215,40 | 28.605,00 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATVG/N 800 | 21.420,40 | 23.203,10 | 24.163,20 | 25.506,20 | 26.314,80 | 28.578,90 | 30.999,50 | 32.389,10 | 35.869,60 | | | | |
| AATVG/N 900 | | | 28.289,70 | 29.632,70 | 30.441,30 | 32.705,40 | 35.126,00 | 36.515,60 | 39.996,10 | 59.789,10 | 64.184,90 | | |
| AATVG/N 1000 | | | | | 36.324,50 | 38.588,60 | 41.009,20 | 42.398,80 | 45.879,30 | 65.672,30 | 70.068,10 | 80.519,50 | 90.086,10 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| AATVG/N 450 | 7.885,20 | 7.980,20 | 8.075,10 | 8.201,50 | 8.365,60 | 8.606,70 | 8.790,40 | 9.167,00 | 9.632,60 | 10.013,90 | | | | | | | |
| AATVG/N 500 | | 9.016,50 | 9.111,40 | 9.237,80 | 9.401,90 | 9.643,00 | 9.826,70 | 10.203,30 | 10.668,90 | 11.050,20 | 12.908,90 | 13.444,90 | | | | | |
| AATVG/N 560 | | | | | | 11.737,00 | 11.920,70 | 12.297,30 | 12.762,90 | 13.144,20 | 15.052,20 | 15.588,20 | 17.018,40 | | | | |
| AATVG/N 630 | | | | | | | | 13.356,50 | 13.822,10 | 14.203,40 | 16.160,60 | 16.696,60 | 18.126,80 | 18.788,40 | 20.975,50 | | |
| AATVG/N 710 | | | | | | | | | 16.530,20 | 16.911,50 | 18.358,20 | 18.894,20 | 20.324,40 | 20.986,00 | 23.173,10 | 24.634,10 | 25.417,00 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATVG/N 800 | 20.695,60 | 22.142,30 | 22.678,30 | 24.108,50 | 24.770,10 | 26.957,20 | 28.418,20 | 29.201,10 | 31.733,00 | | | | |
| AATVG/N 900 | | | 26.804,80 | 28.235,00 | 28.896,60 | 31.083,70 | 32.544,70 | 33.327,60 | 35.859,50 | 44.993,50 | 48.411,20 | | |
| AATVG/N 1000 | | | | | 34.779,80 | 36.966,90 | 38.427,90 | 39.210,80 | 41.742,70 | 50.876,70 | 54.294,40 | 61.019,20 | 67.123,80 |

### ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| AATVG/N 450 | 7.932,70 | 8.060,30 | 8.153,40 | 8.283,20 | 8.447,90 | 8.785,00 | 8.961,90 | 9.481,30 | 10.467,30 | 10.738,70 | | | | | | | |
| AATVG/N 500 | | 9.096,60 | 9.189,70 | 9.319,50 | 9.484,20 | 9.821,30 | 9.998,20 | 10.517,60 | 11.503,60 | 11.775,00 | 13.969,70 | 14.929,80 | | | | | |
| AATVG/N 560 | | | | | | 11.915,30 | 12.092,20 | 12.611,60 | 13.597,60 | 13.869,00 | 16.113,00 | 17.073,10 | 18.416,10 | | | | |
| AATVG/N 630 | | | | | | | | 13.670,80 | 14.656,80 | 14.928,20 | 17.221,40 | 18.181,50 | 19.524,50 | 20.333,10 | 22.597,20 | | |
| AATVG/N 710 | | | | | | | | | 17.364,90 | 17.636,30 | 19.419,00 | 20.379,10 | 21.722,10 | 22.530,70 | 24.794,80 | 27.215,40 | 28.605,00 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATVG/N 800 | 21.420,40 | 23.203,10 | 24.163,20 | 25.506,20 | 26.314,80 | 28.578,90 | 30.999,50 | 32.389,10 | 35.869,60 | | | | |
| AATVG/N 900 | | | 28.289,70 | 29.632,70 | 30.441,30 | 32.705,40 | 35.126,00 | 36.515,60 | 39.996,10 | * NA/ ND | * NA/ ND | | |
| AATVG/N 1000 | | | | | 36.324,50 | 38.588,60 | 41.009,20 | 42.398,80 | 45.879,30 | * NA/ ND | * NA/ ND | * NA/ ND | * NA/ ND |

### ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| AATVG/N 450 | 7.904,30 | 8.004,00 | 8.103,60 | 8.237,30 | 8.405,80 | 8.658,50 | 8.847,10 | 9.236,10 | 9.722,80 | 10.117,30 | | | | | | | |
| AATVG/N 500 | | 9.040,30 | 9.139,90 | 9.273,60 | 9.442,10 | 9.694,80 | 9.883,40 | 10.272,40 | 10.759,10 | 11.153,60 | 13.072,40 | 13.624,40 | | | | | |
| AATVG/N 560 | | | | | | 11.788,80 | 11.977,40 | 12.366,40 | 12.853,10 | 13.247,60 | 15.215,70 | 15.767,70 | 17.252,30 | | | | |
| AATVG/N 630 | | | | | | | | 13.425,60 | 13.912,30 | 14.306,80 | 16.324,10 | 16.876,10 | 18.360,70 | 19.049,00 | 21.332,50 | | |
| AATVG/N 710 | | | | | | | | | 16.620,40 | 17.014,90 | 18.521,70 | 19.073,70 | 20.558,30 | 21.246,60 | 23.530,10 | 25.059,20 | 25.874,60 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATVG/N 800 | 20.799,00 | 22.305,80 | 22.857,80 | 24.342,40 | 25.030,70 | 27.314,20 | 28.843,30 | 29.658,70 | 32.299,90 | | | | |
| AATVG/N 900 | | | 26.984,30 | 28.468,90 | 29.157,20 | 31.440,70 | 32.969,80 | 33.785,20 | 36.426,40 | * NA/ ND | * NA/ ND | | |
| AATVG/N 1000 | | | | | 35.040,40 | 37.323,90 | 38.853,00 | 39.668,40 | 42.309,60 | * NA/ ND | * NA/ ND | * NA/ ND | * NA/ ND |

### SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| AATVG/N 450 | 6.842,50 | 6.910,60 | 6.930,20 | 6.959,40 | 7.104,10 | 7.225,30 | 7.434,40 | 7.718,80 | 8.011,20 | 8.344,10 | | | | | | | |
| AATVG/N 500 | | 7.932,10 | 7.951,70 | 7.980,90 | 8.125,60 | 8.246,80 | 8.455,90 | 8.740,30 | 9.032,70 | 9.365,60 | 10.635,00 | 11.167,30 | | | | | |
| AATVG/N 560 | | | | | | 9.817,80 | 10.026,90 | 10.311,30 | 10.603,70 | 10.936,60 | 12.206,00 | 12.738,30 | 13.781,80 | | | | |
| AATVG/N 630 | | | | | | | | 11.326,10 | 11.618,50 | 11.951,40 | 13.220,80 | 13.753,10 | 14.796,60 | 15.153,90 | 16.661,60 | | |
| AATVG/N 710 | | | | | | | | | 14.321,70 | 14.654,60 | 15.924,00 | 16.456,30 | 17.499,80 | 17.857,10 | 19.364,80 | 20.598,10 | 21.439,70 |

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATVG/N 800 | 18.406,70 | 19.676,10 | 20.208,40 | 21.251,90 | 21.609,20 | 23.116,90 | 24.350,20 | 25.191,80 | 27.135,70 | | | | |
| AATVG/N 900 | | | 24.164,70 | 25.208,20 | 25.565,50 | 27.073,20 | 28.306,50 | 29.148,10 | 31.092,00 | 34.303,20 | 35.880,10 | | |
| AATVG/N 1000 | | | | | 31.350,10 | 32.857,80 | 34.091,10 | 34.932,70 | 36.876,60 | 40.087,80 | 41.664,70 | 48.587,10 | 51.196,00 |

## AATZA ATEX

High pressure belt driven fan for transporting solid material ATEX.
Ventilador a transmisión de alta presión para transporte de material sólido ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATZA 400 | 7.606,00 | 7.733,60 | 8.001,60 | 8.035,50 | 8.245,90 | 8.647,40 | 8.840,20 | 9.342,10 | | | | | | |
| AATZA 450 | 7.962,30 | 8.089,90 | 8.357,90 | 8.391,80 | 8.602,20 | 9.003,70 | 9.196,50 | 9.698,40 | 10.496,90 | | | | | |
| AATZA 500 | 9.006,00 | 9.133,60 | 9.401,60 | 9.435,50 | 9.645,90 | 10.047,40 | 10.240,20 | 10.742,10 | 11.540,60 | | | | | |
| AATZA 560 | | 10.870,00 | 11.138,00 | 11.171,90 | 11.382,30 | 11.783,80 | 11.976,60 | 12.478,50 | 13.277,00 | 13.548,40 | | | | |
| AATZA 630 | | | | 12.305,00 | 12.515,40 | 12.916,90 | 13.109,70 | 13.611,60 | 14.410,10 | 14.681,50 | | | | |
| AATZA 710 | | | | | 14.552,70 | 14.954,20 | 15.147,00 | 15.648,90 | 16.447,40 | 16.718,80 | 18.501,50 | | | |
| AATZA 800 | | | | | | 17.672,80 | 17.865,60 | 18.367,50 | 19.166,00 | 19.437,40 | 21.220,10 | 22.180,20 | | |
| AATZA 900 | | | | | | | 21.706,00 | 22.207,90 | 23.006,40 | 23.277,80 | 25.060,50 | 26.020,60 | 27.363,60 | |
| AATZA 1000 | | | | | | | | 27.627,50 | 28.426,00 | 28.697,40 | 30.480,10 | 31.440,20 | 32.783,20 | 33.591,80 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATZA 400 | 7.265,10 | 7.360,10 | 7.455,00 | 7.581,40 | 7.745,50 | 7.986,60 | 8.170,30 | 8.546,90 | | | | | | |
| AATZA 450 | 7.549,80 | 7.644,80 | 7.739,70 | 7.866,10 | 8.030,20 | 8.271,30 | 8.455,00 | 8.831,60 | 9.297,20 | | | | | |
| AATZA 500 | 8.546,60 | 8.641,60 | 8.736,50 | 8.862,90 | 9.027,00 | 9.268,10 | 9.451,80 | 9.828,40 | 10.294,00 | | | | | |
| AATZA 560 | | 10.789,90 | 10.884,80 | 11.011,20 | 11.175,30 | 11.416,40 | 11.600,10 | 11.976,70 | 12.442,30 | 12.823,60 | | | | |
| AATZA 630 | | | | 12.144,30 | 12.308,40 | 12.549,50 | 12.733,20 | 13.109,80 | 13.575,40 | 13.956,70 | | | | |
| AATZA 710 | | | | | 14.345,70 | 14.586,80 | 14.770,50 | 15.147,10 | 15.612,70 | 15.994,00 | 17.440,70 | | | |
| AATZA 800 | | | | | | 17.305,40 | 17.489,10 | 17.865,70 | 18.331,30 | 18.712,60 | 20.159,30 | 20.695,30 | | |
| AATZA 900 | | | | | | | 21.329,50 | 21.706,10 | 22.171,70 | 22.553,00 | 23.999,70 | 24.535,70 | 25.965,90 | |
| AATZA 1000 | | | | | | | | 27.125,70 | 27.591,30 | 27.972,60 | 29.419,30 | 29.955,30 | 31.385,50 | 32.047,10 |

### ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATZA 400 | 7.312,60 | 7.440,20 | 7.533,30 | 7.663,10 | 7.827,80 | 8.164,90 | 8.341,80 | 8.861,20 | | | | | | |
| AATZA 450 | 7.597,30 | 7.724,90 | 7.818,00 | 7.947,80 | 8.112,50 | 8.449,60 | 8.626,50 | 9.145,90 | 10.131,90 | | | | | |
| AATZA 500 | 8.594,10 | 8.721,70 | 8.814,80 | 8.944,60 | 9.109,30 | 9.446,40 | 9.623,30 | 10.142,70 | 11.128,70 | | | | | |
| AATZA 560 | | 10.870,00 | 10.963,10 | 11.092,90 | 11.257,60 | 11.594,70 | 11.771,60 | 12.291,00 | 13.277,00 | 13.548,40 | | | | |
| AATZA 630 | | | | 12.226,00 | 12.390,70 | 12.727,80 | 12.904,70 | 13.424,10 | 14.410,10 | 14.681,50 | | | | |
| AATZA 710 | | | | | 14.428,00 | 14.765,10 | 14.942,00 | 15.461,40 | 16.447,40 | 16.718,80 | 18.501,50 | | | |
| AATZA 800 | | | | | | 17.483,70 | 17.660,60 | 18.180,00 | 19.166,00 | 19.437,40 | 21.220,10 | 22.180,20 | | |
| AATZA 900 | | | | | | | 21.501,00 | 22.020,40 | 23.006,40 | 23.277,80 | 25.060,50 | 26.020,60 | 27.363,60 | |
| AATZA 1000 | | | | | | | | 27.440,00 | 28.426,00 | 28.697,40 | 30.480,10 | 31.440,20 | 32.783,20 | 33.591,80 |

### ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATZA 400 | 7.284,20 | 7.383,90 | 7.483,50 | 7.617,20 | 7.785,70 | 8.038,40 | 8.227,00 | 8.616,00 | | | | | | |
| AATZA 450 | 7.568,90 | 7.668,60 | 7.768,20 | 7.901,90 | 8.070,40 | 8.323,10 | 8.511,70 | 8.900,70 | 9.387,40 | | | | | |
| AATZA 500 | 8.565,70 | 8.665,40 | 8.765,00 | 8.898,70 | 9.067,20 | 9.319,90 | 9.508,50 | 9.897,50 | 10.384,20 | | | | | |
| AATZA 560 | | 10.813,70 | 10.913,30 | 11.047,00 | 11.215,50 | 11.468,20 | 11.656,80 | 12.045,80 | 12.532,50 | 12.927,00 | | | | |
| AATZA 630 | | | | 12.180,10 | 12.348,60 | 12.601,30 | 12.789,90 | 13.178,90 | 13.665,60 | 14.060,10 | | | | |
| AATZA 710 | | | | | 14.385,90 | 14.638,60 | 14.827,20 | 15.216,20 | 15.702,90 | 16.097,40 | 17.604,20 | | | |
| AATZA 800 | | | | | | 17.357,20 | 17.545,80 | 17.934,80 | 18.421,50 | 18.816,00 | 20.322,80 | 20.874,80 | | |
| AATZA 900 | | | | | | | 21.386,20 | 21.775,20 | 22.261,90 | 22.656,40 | 24.163,20 | 24.715,20 | 26.199,80 | |
| AATZA 1000 | | | | | | | | 27.194,80 | 27.681,50 | 28.076,00 | 29.582,80 | 30.134,80 | 31.619,40 | 32.307,70 |

### SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| AATZA 400 | 6.224,80 | 6.292,90 | 6.312,50 | 6.341,70 | 6.486,40 | 6.607,60 | 6.816,70 | 7.101,10 | | | | | | |
| AATZA 450 | 6.507,10 | 6.575,20 | 6.594,80 | 6.624,00 | 6.768,70 | 6.889,90 | 7.099,00 | 7.383,40 | 7.675,80 | | | | | |
| AATZA 500 | 7.489,00 | 7.557,10 | 7.576,70 | 7.605,90 | 7.750,60 | 7.871,80 | 8.080,90 | 8.365,30 | 8.657,70 | | | | | |
| AATZA 560 | | 9.182,50 | 9.202,10 | 9.231,30 | 9.376,00 | 9.497,20 | 9.706,30 | 9.990,70 | 10.283,10 | 10.616,00 | | | | |
| AATZA 630 | | | | 10.320,10 | 10.464,80 | 10.586,00 | 10.795,10 | 11.079,50 | 11.371,90 | 11.704,80 | | | | |
| AATZA 710 | | | | | 12.497,10 | 12.618,30 | 12.827,40 | 13.111,80 | 13.404,20 | 13.737,10 | 15.006,50 | | | |
| AATZA 800 | | | | | | 15.304,90 | 15.514,00 | 15.798,40 | 16.090,80 | 16.423,70 | 17.693,10 | 18.225,40 | | |
| AATZA 900 | | | | | | | 19.184,20 | 19.468,60 | 19.761,00 | 20.093,90 | 21.363,30 | 21.895,60 | 22.939,10 | |
| AATZA 1000 | | | | | | | | 24.789,50 | 25.081,90 | 25.414,80 | 26.684,20 | 27.216,50 | 28.260,00 | 28.617,30 |

## AATZB ATEX

High pressure belt driven fan for transporting solid material ATEX.
Ventilador a transmisión de alta presión para transporte de material sólido ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZB 400 ATEX | 8.054,30 | 8.264,70 | 8.666,20 | 8.859,00 | 9.360,90 | 10.159,40 | 10.430,80 | | | | | | | | | | | | |
| AATZB 450 ATEX | 8.941,50 | 9.151,90 | 9.553,40 | 9.746,20 | 10.248,10 | 11.046,60 | 11.318,00 | | | | | | | | | | | | |
| AATZB 500 ATEX | | | 10.334,20 | 10.527,00 | 11.028,90 | 11.827,40 | 12.098,80 | 13.881,50 | 14.841,60 | 16.184,60 | | | | | | | | | |
| AATZB 560 ATEX | | | | 12.379,00 | 12.880,90 | 13.679,40 | 13.950,80 | 15.733,50 | 16.693,60 | 18.036,60 | 18.845,20 | | | | | | | | |
| AATZB 630 ATEX | | | | | 13.801,00 | 14.599,50 | 14.870,90 | 16.653,60 | 17.613,70 | 18.956,70 | 19.765,30 | 22.029,40 | 24.450,00 | | | | | | |
| AATZB 710 ATEX | | | | | | 16.841,00 | 17.112,40 | 18.895,10 | 19.855,20 | 21.198,20 | 22.006,80 | 24.270,90 | 26.691,50 | 28.081,10 | | | | | |
| AATZB 800 ATEX | | | | | | | 20.751,90 | 22.534,60 | 23.494,70 | 24.837,70 | 25.646,30 | 27.910,40 | 30.331,00 | 31.720,60 | 35.201,10 | | | | |
| AATZB 900 ATEX | | | | | | | 24.740,20 | 26.522,90 | 27.483,00 | 28.826,00 | 29.634,60 | 31.898,70 | 34.319,30 | 35.708,90 | 39.189,40 | 58.982,40 | | | |
| AATZB 1000 ATEX | | | | | | | | 32.836,10 | 33.796,20 | 35.139,20 | 35.947,80 | 38.211,90 | 40.632,50 | 42.022,10 | 45.502,60 | 65.295,60 | 69.691,40 | | |
| AATZB 1120 ATEX | | | | | | | | | 42.296,00 | 43.639,00 | 44.447,60 | 46.711,70 | 49.132,30 | 50.521,90 | 54.002,40 | 73.795,40 | 78.191,20 | 88.642,60 | |
| AATZB 1250 ATEX | | | | | | | | | | 49.832,10 | 50.640,70 | 52.904,80 | 55.325,40 | 56.715,00 | 60.195,50 | 79.988,50 | 84.384,30 | 94.835,70 | 104.402,30 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZB 400 ATEX | 7.638,90 | 7.803,00 | 8.044,10 | 8.227,80 | 8.604,40 | 9.070,00 | 9.451,30 | | | | | | | | | | | | |
| AATZB 450 ATEX | 8.464,00 | 8.628,10 | 8.869,20 | 9.052,90 | 9.429,50 | 9.895,10 | 10.276,40 | | | | | | | | | | | | |
| AATZB 500 ATEX | | | 9.609,30 | 9.793,00 | 10.169,60 | 10.635,20 | 11.016,50 | 12.820,70 | 13.356,70 | 14.786,90 | | | | | | | | | |
| AATZB 560 ATEX | | | | 11.602,10 | 11.978,70 | 12.444,30 | 12.825,60 | 14.672,70 | 15.208,70 | 16.638,90 | 17.300,50 | | | | | | | | |
| AATZB 630 ATEX | | | | | 12.856,00 | 13.321,60 | 13.702,90 | 15.592,80 | 16.128,80 | 17.559,00 | 18.220,60 | 20.407,70 | 21.868,70 | | | | | | |
| AATZB 710 ATEX | | | | | | 16.006,30 | 16.387,60 | 17.834,30 | 18.370,30 | 19.800,50 | 20.462,10 | 22.649,20 | 24.110,20 | 24.893,10 | | | | | |
| AATZB 800 ATEX | | | | | | | 20.027,10 | 21.473,80 | 22.009,80 | 23.440,00 | 24.101,60 | 26.288,70 | 27.749,70 | 28.532,60 | 31.064,50 | | | | |
| AATZB 900 ATEX | | | | | | | 24.015,40 | 25.462,10 | 25.998,10 | 27.428,30 | 28.089,90 | 30.277,00 | 31.738,00 | 32.520,90 | 35.052,80 | 44.186,80 | | | |
| AATZB 1000 ATEX | | | | | | | | 31.775,30 | 32.311,30 | 33.741,50 | 34.403,10 | 36.590,20 | 38.051,20 | 38.834,10 | 41.366,00 | 50.500,00 | 53.917,70 | | |
| AATZB 1120 ATEX | | | | | | | | | 40.811,10 | 42.241,30 | 42.902,90 | 45.090,00 | 46.551,00 | 47.333,90 | 49.865,80 | 58.999,80 | 62.417,50 | 69.142,30 | |
| AATZB 1250 ATEX | | | | | | | | | | 48.434,40 | 49.096,00 | 51.283,10 | 52.744,10 | 53.527,00 | 56.058,90 | 65.192,90 | 68.610,60 | 75.335,40 | 81.440,00 |

### ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATZB 400 ATEX | 7.808,40 | 7.973,10 | 8.310,20 | 8.487,10 | 9.006,50 | 9.992,50 | 10.263,90 | | | | | | | | |
| AATZB 450 ATEX | 8.633,40 | 8.798,10 | 9.135,20 | 9.312,10 | 9.831,50 | 10.817,50 | 11.088,90 | | | | | | | | |
| AATZB 500 ATEX | | | 9.886,10 | 10.063,00 | 10.582,40 | 11.568,40 | 11.839,80 | 13.980,00 | 14.940,10 | 16.283,10 | | | | | |
| AATZB 560 ATEX | | | | 11.872,10 | 12.391,50 | 13.377,50 | 13.648,90 | 15.831,90 | 16.792,00 | 18.135,00 | 18.943,60 | | | | |
| AATZB 630 ATEX | | | | | 13.307,40 | 14.293,40 | 14.564,80 | 16.790,60 | 17.750,70 | 19.093,70 | 19.902,30 | 22.166,40 | 24.587,00 | | |
| AATZB 710 ATEX | | | | | | 16.978,00 | 17.249,40 | 19.032,10 | 19.992,20 | 21.335,20 | 22.143,80 | 24.407,90 | 26.828,50 | 28.218,10 | |
| AATZB 800 ATEX | | | | | | | 20.888,90 | 22.671,60 | 23.631,70 | 24.974,70 | 25.783,30 | 28.047,40 | 30.468,00 | 31.857,60 | 35.338,10 |
| AATZB 900 ATEX | | | | | | | 24.877,20 | 26.659,90 | 27.620,00 | 28.963,00 | 29.771,60 | 32.035,70 | 34.456,30 | 35.845,90 | 39.326,40 |
| AATZB 1000 ATEX | | | | | | | | 33.009,50 | 33.969,60 | 35.312,60 | 36.121,20 | 38.385,30 | 40.805,90 | 42.195,50 | 45.676,00 |
| AATZB 1120 ATEX | | | | | | | | | 42.469,40 | 43.812,40 | 44.621,00 | 46.885,10 | 49.305,70 | 50.695,30 | 54.175,80 |
| AATZB 1250 ATEX | | | | | | | | | | 50.005,50 | 50.814,10 | 53.078,20 | 55.498,80 | 56.888,40 | 60.368,90 |

### ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATZB 400 ATEX | 7.762,50 | 7.931,00 | 8.183,70 | 8.372,30 | 8.761,30 | 9.248,00 | 9.642,50 | | | | | | | | |
| AATZB 450 ATEX | 8.587,50 | 8.756,00 | 9.008,70 | 9.197,30 | 9.586,30 | 10.073,00 | 10.467,50 | | | | | | | | |
| AATZB 500 ATEX | | | 9.759,60 | 9.948,20 | 10.337,20 | 10.823,90 | 11.218,40 | 13.082,70 | 13.634,70 | 15.119,30 | | | | | |
| AATZB 560 ATEX | | | | 11.757,30 | 12.146,30 | 12.633,00 | 13.027,50 | 14.934,60 | 15.486,60 | 16.971,20 | 17.659,50 | | | | |
| AATZB 630 ATEX | | | | | 13.062,20 | 13.548,90 | 13.943,40 | 15.893,30 | 16.445,30 | 17.929,90 | 18.618,20 | 20.901,70 | 22.430,80 | | |
| AATZB 710 ATEX | | | | | | 16.233,50 | 16.628,00 | 18.134,80 | 18.686,80 | 20.171,40 | 20.859,70 | 23.143,20 | 24.672,30 | 25.487,70 | |
| AATZB 800 ATEX | | | | | | | 20.267,50 | 21.774,30 | 22.326,30 | 23.810,90 | 24.499,20 | 26.782,70 | 28.311,80 | 29.127,20 | 31.768,40 |
| AATZB 900 ATEX | | | | | | | 24.255,80 | 25.762,60 | 26.314,60 | 27.799,20 | 28.487,50 | 30.771,00 | 32.300,10 | 33.115,50 | 35.756,70 |
| AATZB 1000 ATEX | | | | | | | | 32.112,20 | 32.664,20 | 34.148,80 | 34.837,10 | 37.120,60 | 38.649,70 | 39.465,10 | 42.106,30 |
| AATZB 1120 ATEX | | | | | | | | | 41.164,00 | 42.648,60 | 43.336,90 | 45.620,40 | 47.149,50 | 47.964,90 | 50.606,10 |
| AATZB 1250 ATEX | | | | | | | | | | 48.841,70 | 49.530,00 | 51.813,50 | 53.342,60 | 54.158,00 | 56.799,20 |

### SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZB 400 ATEX | 6.520,30 | 6.665,00 | 6.786,20 | 6.995,30 | 7.279,70 | 7.572,10 | 7.905,00 | | | | | | | | | | | | |
| AATZB 450 ATEX | 7.343,30 | 7.488,00 | 7.609,20 | 7.818,30 | 8.102,70 | 8.395,10 | 8.728,00 | | | | | | | | | | | | |
| AATZB 500 ATEX | | | 8.336,50 | 8.545,60 | 8.830,00 | 9.122,40 | 9.455,30 | 10.724,70 | 11.257,00 | 12.300,50 | | | | | | | | | |
| AATZB 560 ATEX | | | | 9.900,80 | 10.185,20 | 10.477,60 | 10.810,50 | 12.079,90 | 12.612,20 | 13.655,70 | 14.013,00 | | | | | | | | |
| AATZB 630 ATEX | | | | | 11.024,00 | 11.316,40 | 11.649,30 | 12.918,70 | 13.451,00 | 14.494,50 | 14.851,80 | 16.359,50 | 17.592,80 | | | | | | |
| AATZB 710 ATEX | | | | | | 13.996,80 | 14.329,70 | 15.599,10 | 16.131,40 | 17.174,90 | 17.532,20 | 19.039,90 | 20.273,20 | 21.114,80 | | | | | |
| AATZB 800 ATEX | | | | | | | 17.941,40 | 19.210,80 | 19.743,10 | 20.786,60 | 21.143,90 | 22.651,60 | 23.884,90 | 24.726,50 | 26.670,40 | | | | |
| AATZB 900 ATEX | | | | | | | 21.782,00 | 23.051,40 | 23.583,70 | 24.627,20 | 24.984,50 | 26.492,20 | 27.725,50 | 28.567,10 | 30.511,00 | 36.516,70 | | | |
| AATZB 1000 ATEX | | | | | | | | 29.278,90 | 29.811,20 | 30.854,70 | 31.212,00 | 32.719,70 | 33.953,00 | 34.794,60 | 36.738,50 | 42.744,20 | 44.636,50 | | |
| AATZB 1120 ATEX | | | | | | | | | 38.208,30 | 39.251,80 | 39.609,10 | 41.116,80 | 42.350,10 | 43.191,70 | 45.135,60 | 51.141,30 | 53.033,60 | 61.340,50 | |
| AATZB 1250 ATEX | | | | | | | | | | 45.346,40 | 45.703,70 | 47.211,40 | 48.444,70 | 49.286,30 | 51.230,20 | 57.235,90 | 59.128,20 | 67.435,10 | 70.565,70 |

## AATZC ATEX

High pressure belt driven fan for transporting solid material ATEX.
Ventilador a transmisión de alta presión para transporte de material sólido ATEX.

### ZONE / ZONA 1

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZC 400 ATEX | 7.930,20 | 8.140,60 | 8.542,10 | 8.734,90 | 9.236,80 | 10.035,30 | 10.306,70 | | | | | | | | | | | | |
| AATZC 450 ATEX | | 8.656,10 | 9.057,60 | 9.250,40 | 9.752,30 | 10.550,80 | 10.822,20 | 12.604,90 | 13.565,00 | | | | | | | | | | |
| AATZC 500 ATEX | | | 10.036,70 | 10.229,50 | 10.731,40 | 11.529,90 | 11.801,30 | 13.584,00 | 14.544,10 | 15.887,10 | 16.695,70 | | | | | | | | |
| AATZC 560 ATEX | | | | | 12.764,80 | 13.563,30 | 13.834,70 | 15.617,40 | 16.577,50 | 17.920,50 | 18.729,10 | 20.993,20 | | | | | | | |
| AATZC 630 ATEX | | | | | 14.169,40 | 14.967,90 | 15.239,30 | 17.022,00 | 17.982,10 | 19.325,10 | 20.133,70 | 22.397,80 | | | | | | | |
| AATZC 710 ATEX | | | | | | 16.632,00 | 16.903,40 | 18.686,10 | 19.646,20 | 20.989,20 | 21.797,80 | 24.061,90 | 26.482,50 | 27.872,10 | 31.352,60 | | | | |
| AATZC 800 ATEX | | | | | | | 18.570,90 | 20.353,60 | 21.313,70 | 22.656,70 | 23.465,30 | 25.729,40 | 28.150,00 | 29.539,60 | 33.020,10 | | | | |
| AATZC 900 ATEX | | | | | | | 20.951,70 | 22.734,40 | 23.694,50 | 25.037,50 | 25.846,10 | 28.110,20 | 30.530,80 | 31.920,40 | 35.400,90 | | | | |
| AATZC 1000 ATEX | | | | | | | | 25.651,60 | 26.611,70 | 27.954,70 | 28.763,30 | 31.027,40 | 33.448,00 | 34.837,60 | 38.318,10 | 58.111,10 | 62.506,90 | | |
| AATZC 1120 ATEX | | | | | | | | 31.935,60 | 32.895,70 | 34.238,70 | 35.047,30 | 37.311,40 | 39.732,00 | 41.121,60 | 44.602,10 | 64.395,10 | 68.790,90 | | |
| AATZC 1250 ATEX | | | | | | | | | 39.665,70 | 41.008,70 | 41.817,30 | 44.081,40 | 46.502,00 | 47.891,60 | 51.372,10 | 71.165,10 | 75.560,90 | 86.012,30 | 95.578,90 |

### ZONE / ZONA 2

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZC 400 ATEX | 7.514,70 | 7.678,80 | 7.919,90 | 8.103,60 | 8.480,20 | 8.945,80 | 9.327,10 | | | | | | | | | | | | |
| AATZC 450 ATEX | | 8.132,30 | 8.373,40 | 8.557,10 | 8.933,70 | 9.399,30 | 9.780,60 | 11.544,10 | 12.080,10 | | | | | | | | | | |
| AATZC 500 ATEX | | | 9.311,80 | 9.495,50 | 9.872,10 | 10.337,70 | 10.719,00 | 12.523,20 | 13.059,20 | 14.489,40 | 15.151,00 | | | | | | | | |
| AATZC 560 ATEX | | | | | 11.862,70 | 12.328,30 | 12.709,60 | 14.556,60 | 15.092,60 | 16.522,80 | 17.184,40 | 19.371,50 | | | | | | | |
| AATZC 630 ATEX | | | | | 13.224,50 | 13.690,10 | 14.071,40 | 15.961,20 | 16.497,20 | 17.927,40 | 18.589,00 | 20.776,10 | | | | | | | |
| AATZC 710 ATEX | | | | | | 15.797,30 | 16.178,60 | 17.625,30 | 18.161,30 | 19.591,50 | 20.253,10 | 22.440,20 | 23.901,20 | 24.684,10 | 27.216,00 | | | | |
| AATZC 800 ATEX | | | | | | | 17.846,10 | 19.292,80 | 19.828,80 | 21.259,00 | 21.920,60 | 24.107,70 | 25.568,70 | 26.351,60 | 28.883,50 | | | | |
| AATZC 900 ATEX | | | | | | | 20.226,90 | 21.673,60 | 22.209,60 | 23.639,80 | 24.301,40 | 26.488,50 | 27.949,50 | 28.732,40 | 31.264,30 | | | | |
| AATZC 1000 ATEX | | | | | | | | 24.590,80 | 25.126,80 | 26.557,00 | 27.218,60 | 29.405,70 | 30.866,70 | 31.649,60 | 34.181,50 | 43.315,50 | 46.733,20 | | |
| AATZC 1120 ATEX | | | | | | | | 30.874,80 | 31.410,80 | 32.841,00 | 33.502,60 | 35.689,70 | 37.150,70 | 37.933,60 | 40.465,50 | 49.599,50 | 53.017,20 | | |
| AATZC 1250 ATEX | | | | | | | | | 38.180,80 | 39.611,00 | 40.272,60 | 42.459,70 | 43.920,70 | 44.703,60 | 47.235,50 | 56.369,50 | 59.787,20 | 66.512,00 | 72.616,60 |

### ZONE / ZONA 22 - Conductive dust / polvo conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATZC 400 ATEX | 7.707,70 | 7.872,40 | 8.209,50 | 8.386,40 | 8.905,80 | 9.891,80 | 10.163,20 | | | | | | | | |
| AATZC 450 ATEX | | 8.325,90 | 8.663,00 | 8.839,90 | 9.359,30 | 10.345,30 | 10.616,70 | 12.716,20 | 13.676,30 | | | | | | |
| AATZC 500 ATEX | | | 9.627,10 | 9.804,00 | 10.323,40 | 11.309,40 | 11.580,80 | 13.721,00 | 14.681,10 | 16.024,10 | 16.832,70 | | | | |
| AATZC 560 ATEX | | | | | 12.350,40 | 13.336,40 | 13.607,80 | 15.790,80 | 16.750,90 | 18.093,90 | 18.902,50 | 21.166,60 | | | |
| AATZC 630 ATEX | | | | | 13.712,20 | 14.698,20 | 14.969,60 | 17.195,40 | 18.155,50 | 19.498,50 | 20.307,10 | 22.571,20 | | | |
| AATZC 710 ATEX | | | | | | 16.632,00 | 16.903,40 | 18.686,10 | 19.646,20 | 20.989,20 | 21.797,80 | 24.061,90 | 26.482,50 | 27.872,10 | 31.352,60 |
| AATZC 800 ATEX | | | | | | | 18.570,90 | 20.353,60 | 21.313,70 | 22.656,70 | 23.465,30 | 25.729,40 | 28.150,00 | 29.539,60 | 33.020,10 |
| AATZC 900 ATEX | | | | | | | 20.951,70 | 22.734,40 | 23.694,50 | 25.037,50 | 25.846,10 | 28.110,20 | 30.530,80 | 31.920,40 | 35.400,90 |
| AATZC 1000 ATEX | | | | | | | | 25.651,60 | 26.611,70 | 27.954,70 | 28.763,30 | 31.027,40 | 33.448,00 | 34.837,60 | 38.318,10 |
| AATZC 1120 ATEX | | | | | | | | 31.935,60 | 32.895,70 | 34.238,70 | 35.047,30 | 37.311,40 | 39.732,00 | 41.121,60 | 44.602,10 |
| AATZC 1250 ATEX | | | | | | | | | 39.665,70 | 41.008,70 | 41.817,30 | 44.081,40 | 46.502,00 | 47.891,60 | 51.372,10 |

### ZONE / ZONA 22 - Non conductive dust / polvo no conductivo

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATZC 400 ATEX | 7.661,80 | 7.830,30 | 8.083,00 | 8.271,60 | 8.660,60 | 9.147,30 | 9.541,80 | | | | | | | | |
| AATZC 450 ATEX | | 8.283,80 | 8.536,50 | 8.725,10 | 9.114,10 | 9.600,80 | 9.995,30 | 11.818,90 | 12.370,90 | | | | | | |
| AATZC 500 ATEX | | | 9.500,60 | 9.689,20 | 10.078,20 | 10.564,90 | 10.959,40 | 12.823,70 | 13.375,70 | 14.860,30 | 15.548,60 | | | | |
| AATZC 560 ATEX | | | | | 12.105,20 | 12.591,90 | 12.986,40 | 14.893,50 | 15.445,50 | 16.930,10 | 17.618,40 | 19.901,90 | | | |
| AATZC 630 ATEX | | | | | 13.467,00 | 13.953,70 | 14.348,20 | 16.298,10 | 16.850,10 | 18.334,70 | 19.023,00 | 21.306,50 | | | |
| AATZC 710 ATEX | | | | | | 15.887,50 | 16.282,00 | 17.788,80 | 18.340,80 | 19.825,40 | 20.513,70 | 22.797,20 | 24.326,30 | 25.141,70 | 27.782,90 |
| AATZC 800 ATEX | | | | | | | 17.949,50 | 19.456,30 | 20.008,30 | 21.492,90 | 22.181,20 | 24.464,70 | 25.993,80 | 26.809,20 | 29.450,40 |
| AATZC 900 ATEX | | | | | | | 20.330,30 | 21.837,10 | 22.389,10 | 23.873,70 | 24.562,00 | 26.845,50 | 28.374,60 | 29.190,00 | 31.831,20 |
| AATZC 1000 ATEX | | | | | | | | 24.754,30 | 25.306,30 | 26.790,90 | 27.479,20 | 29.762,70 | 31.291,80 | 32.107,20 | 34.748,40 |
| AATZC 1120 ATEX | | | | | | | | 31.038,30 | 31.590,30 | 33.074,90 | 33.763,20 | 36.046,70 | 37.575,80 | 38.391,20 | 41.032,40 |
| AATZC 1250 ATEX | | | | | | | | | 38.360,30 | 39.844,90 | 40.533,20 | 42.816,70 | 44.345,80 | 45.161,20 | 47.802,40 |

### SPARKPROOF / ANTICHISPAS | Non-sparking air passage and standard motor / Paso de aire antichispas y motor estándar

| Model \| Modelo | Power \| Potencia (kW) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 |
| AATZC 400 ATEX | 6.317,00 | 6.461,70 | 6.582,90 | 6.792,00 | 7.076,40 | 7.368,80 | 7.701,70 | | | | | | | | | | | | |
| AATZC 450 ATEX | | 6.908,70 | 7.029,90 | 7.239,00 | 7.523,40 | 7.815,80 | 8.148,70 | 9.418,10 | 9.950,40 | | | | | | | | | | |
| AATZC 500 ATEX | | | 7.929,70 | 8.138,80 | 8.423,20 | 8.715,60 | 9.048,50 | 10.317,90 | 10.850,20 | 11.893,70 | 12.251,00 | | | | | | | | |
| AATZC 560 ATEX | | | | | 9.923,60 | 10.216,00 | 10.548,90 | 11.818,30 | 12.350,60 | 13.394,10 | 13.751,40 | 15.259,10 | | | | | | | |
| AATZC 630 ATEX | | | | | 11.281,10 | 11.573,50 | 11.906,40 | 13.175,80 | 13.708,10 | 14.751,60 | 15.108,90 | 16.616,60 | | | | | | | |
| AATZC 710 ATEX | | | | | | 13.834,90 | 14.167,80 | 15.437,20 | 15.969,50 | 17.013,00 | 17.370,30 | 18.878,00 | 20.111,30 | 20.952,90 | 22.896,80 | | | | |
| AATZC 800 ATEX | | | | | | | 15.807,50 | 17.076,90 | 17.609,20 | 18.652,70 | 19.010,00 | 20.517,70 | 21.751,00 | 22.592,60 | 24.536,50 | | | | |
| AATZC 900 ATEX | | | | | | | 18.188,30 | 19.457,70 | 19.990,00 | 21.033,50 | 21.390,80 | 22.898,50 | 24.131,80 | 24.973,40 | 26.917,30 | | | | |
| AATZC 1000 ATEX | | | | | | | | 22.154,40 | 22.686,70 | 23.730,20 | 24.087,50 | 25.595,20 | 26.828,50 | 27.670,10 | 29.614,00 | 35.619,70 | 37.512,00 | | |
| AATZC 1120 ATEX | | | | | | | | 28.065,90 | 28.598,20 | 29.641,70 | 29.999,00 | 31.506,70 | 32.740,00 | 33.581,60 | 35.525,50 | 41.531,20 | 43.423,50 | | |
| AATZC 1250 ATEX | | | | | | | | | 35.366,00 | 36.409,50 | 36.766,80 | 38.274,50 | 39.507,80 | 40.349,40 | 42.293,30 | 48.299,00 | 50.191,30 | 58.498,20 | 61.628,80 |

# º Residential

# º Residencial



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
|  LÍDERO |  IKHUNA |  KUBALIK |  ERELIS |  TEKSTÜR |  TEKSTÜR PLUS |  ESTELA |  KRISONA EEC |  KRISONA EEC DUO |
|  MOOTA LP EEC |  ORMEN EEC |  HIDRIDA LP EEC |  ACC. SYSTEM/SISTEMA |  BEA SC |  CFR |  CFRB |  BEH HYGRO | |
|  BE |  BEIRM |  COMPRI-CV M1 |  COMBI -CV |  THERMI-CV M1 |  MFVC M1 | | | |

# LÍDERO





Automatic back draught shutter
(only LIDERO B version)
Persiana automática antirretorno
(sólo versión LIDERO B)

## EXTRACTOR FOR WALL AND CEILING INSTALLATION

### MANUFACTURING FEATURES

- Extractor for wall or ceiling installation.
- The LÍDERO B model incorporates an automatic non-return back-draught shutter to prevent the entry of unwanted or contaminating air.
- High airflow rate, low operating noise level and low power consumption due to the wing profile blade and motor support.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50ºC.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- Options:
- Basic without automatic back draught shutter
- Automatic back draught shutter (B)
- Humidity sensor (HR) and timer (T)
- Motion sensor (Motion)

### APPLICATIONS

- For intermittent or continuous ventilation in bathrooms, toilets, kitchens, dining rooms, living rooms, domestic and commercial spaces.

To be installed in ventilation ducts. Compatible with 100, 120 and 150 air ducts.

## EXTRACTOR PARA INSTALACIÓN EN PARED Y TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor para instalación en pared o techo.
- El modelo LÍDERO B incorpora persiana automática antirretorno para evitar la entrada de aire no deseado o contaminante.
- Alto rango de flujos de aire, bajo nivel sonoro de operación y bajo consumo de energía debido a las palas de perfil optimizado en forma de ala y al soporte del motor.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Temperatura máxima de trabajo en continuo: 50ºC.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Opciones:
- Básico sin persiana automática antirretorno
- Persiana automática antirretorno (B)
- Sensor de humedad (HR) y temporizador (T)
- Sensor de presencia (Motion)

### APLICACIONES

- Para ventilación intermitente o continuada en baños, aseos, cocinas, comedores, salas de estar, espacios domésticos y comerciales.

Para ser instalado en conducto de ventilación. Compatible con conductos de 100, 120 y 150.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Voltaje (V) | R.P.M. nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| LID100 | LÍDERO 100 | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | **29,20** |
| LID100B | LÍDERO 100 B | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | **46,30** |
| LID100BM | LÍDERO 100 B Motion | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | **85,60** |
| LID100BTHR | LÍDERO 100 B T HR | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | **88,80** |
| LID120 | LÍDERO 120 | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | **48,90** |
| LID120B | LÍDERO 120 B | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | **68,00** |
| LID120BM | LÍDERO 120 B Motion | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | **107,30** |
| LID120BTHR | LÍDERO 120 B T HR | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | **97,20** |
| LID150 | LÍDERO 150 | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | **63,00** |
| LID150B | LÍDERO 150 B | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | **81,60** |
| LID150BM | LÍDERO 150 B Motion | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | **121,30** |
| LID150BTHR | LÍDERO 150 B T HR | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | **113,20** |

PLUG FAN with IEC motor

Brochure

Folleto

PLUG FAN con motor IEC

# IKHUNA

Inside view
Vista interior



Outside view
Vista exterior





Automatic back draught shutter
(only IKHUNA B version)
Persiana automática antirretorno
(sólo versión IKHUNA B)

## EXTRACTOR FAN FOR WINDOW INSTALLATION

### MANUFACTURING FEATURES

- Extractor for window installation.
- The IKHUNA B model incorporates anautomatic non-return back draught shutter to prevent the entry of unwanted or contaminating air.
- High airflow rate, low operating noise level and low power consumption due to the wing profile blade and motor support.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50ºC.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- Options:
- Basic without automatic back draught shutter
- Automatic back draught shutter (B)
- Humidity sensor (HR) and timer (T)
- Motion sensor (Motion)

### APPLICATIONS

- For intermittent or continuous ventilation in bathrooms, toilets, kitchens, dining rooms, living rooms, domestic and commercial spaces.
- Designed to be installed in any type of window.

## EXTRACTOR PARA INSTALACIÓN EN VENTANAS

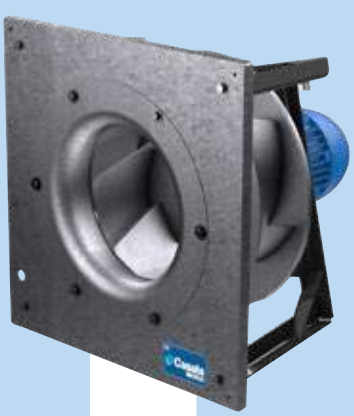
### CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor para instalación en ventanas.
- El modelo IKHUNA B incorpora persiana automática antirretorno para evitar la entrada de aire no deseado o contaminante.
- Alto rango de flujos de aire, bajo nivel sonoro de operación y bajo consumo de energía debido a las palas de perfil optimizado en forma de ala y al soporte del motor.
- Carcasa y hélice de plástico ABS resistente a los rayos UV
- Temperatura máxima de trabajo en continuo: 50ºC.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Opciones:
- Básico sin persiana automática antirretorno
- Persiana automática antirretorno (B)
- Sensor de humedad (HR) y temporizador (T)
- Sensor de presencia (Motion)

### APLICACIONES

- Para ventilación intermitente o continuada en baños, aseos, cocinas, comedores, salas de estar, espacios domésticos y comerciales.
- Diseñado para ser instalado en cualquier tipo de ventana.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| IKH100 | IKHUNA 100 | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | **70,80** |
| IKH100B | IKHUNA 100 B | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | **88,90** |
| IKH100BM | IKHUNA 100 B Motion | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | **128,20** |
| IKH100BTHR | IKHUNA 100 B T HR | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | **131,60** |
| IKH120 | IKHUNA 120 | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | **91,20** |
| IKH120B | IKHUNA 120 B | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | **107,80** |
| IKH120BM | IKHUNA 120 B Motion | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | **149,60** |
| IKH120BTHR | IKHUNA 120 B T HR | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | **139,50** |
| IKH150 | IKHUNA 150 | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | **115,20** |
| IKH150B | IKHUNA 150 B | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | **133,90** |
| IKH150BM | IKHUNA 150 B Motion | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | **173,60** |
| IKH150BTHR | IKHUNA 150 B T HR | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | **165,50** |



Ø 315 - 400



Ø 450 - 630

# KUBALIK





Automatic back draught shutter
Persiana automática antirretorno

## HIGH AIRFLOW RATE AND SILENT REVERSIBLE EXTRACTOR WITH AUTOMATIC BACK DRAUGHT SHUTTER FOR WINDOW OR WALL INSTALLATION

### MANUFACTURING FEATURES

- Reversible, high-flow rate and silent extractor with automatic non-return back draught shutter to prevent the entry of unwanted or contaminant air. It can be installed in a window or wall. Being reversible you can choose if you want to provide air in a room or remove it. KUBALIK extractors are carefully designed to provide low environmental impact, using recyclable materials.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). The internal components are made of impact resistant PS. Self-lubricated bushings motor protected against thermal overload.
- Easy and fast installation thanks to its innovative design.
- Maximum working temperature in continuous: 50ºC.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.

### APPLICATIONS

- Applicable to domestic spaces such as kitchens, dining rooms, laundry rooms, bathrooms, etc. But also, in commercial environments such as shops, bars, cafes, gyms, restaurants, offices, schools, etc.
- Designed to be installed in any type of window and wall.

## EXTRACTOR REVERSIBLE DE GRAN CAUDAL Y SILENCIOSO CON PERSIANA AUTOMÁTICA ANTIVRRETORNO PARA VENTANA O PARED

### CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor reversible de gran caudal y silencioso con persiana automática antirretorno para evitar la entrada de aire no deseado o contaminante instalable en ventana o en pared. Al ser reversible puede escoger si desea aportar aire en una sala o extraerlo. Los extractores KUBALIK están cuidadosamente diseñados para proporcionar un bajo impacto ambiental, utilizando materiales reciclables.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Los componentes internos están fabricados en PS resistente a impactos. Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Fácil y rápida instalación gracias a su novedoso diseño.
- Temperatura máxima de trabajo en continuo: 50ºC.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

### APLICACIONES

- Aplicable a espacios domésticos como cocinas, comedores, lavaderos, baños, etc. Pero también en entornos comerciales como tiendas, bares, cafeterías, gimnasios, restaurantes, oficinas, escuelas, etc.
- Diseñado para ser instalado en cualquier tipo de ventana y pared.

| Code | Model | Voltage (V) | Rat. R.P.M | | Rated I (A) 230V | Rat. Power W | Air flow m³/h | | Pressure (Pa) | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Extraction | Supply | | | Extraction | Supply | | | | |
| Código | Modelo | Voltaje (V) | R.P.M.nom. | | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | | Presión (Pa) | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| | | | Extracción | Aportación | | | Extracción | Aportación | | | | |
| KUB150 | KUBALIK 150 | 220-240 | 1340 | 2040 | 0,11 | 25 | 235 | 150 | 24 | 37,5 | 2,07 | **131,50** |
| KUB230 | KUBALIK 230 | 220-240 | 790 | 1080 | 0,13 | 26 | 480 | 310 | 20 | 35,6 | 3,45 | **162,10** |
| KUB300 | KUBALIK 300 | 220-240 | 840 | 1085 | 0,21 | 45 | 1050 | 700 | 28 | 40,2 | 6,13 | **234,40** |

# KUBALIK-CO2




## AIR RENEWAL AND $CO_2$ REDUCTION KIT

### MANUFACTURING FEATURES

- A simple ventilation system for continuous and slow air renovation that hardly alters the indoor temperature of a room.
- Formed by two reversible fans such as KUBALIK (the same fan allows air to be supplied or extracted as configured) and a $CO_2$ sensor called SCO2 IAQ.
- This kit allows any indoor space where people from different bubbles coexist (an office, a school, a bar, etc.) to have good air quality thanks to the controlled renovation that this equipment allows.
- In an economical, easy and versatile way, the user will be able to give a solution to the $CO_2$ load of your establishment and constantly see the air quality you breathe.

### APPLICATIONS

Any indoor space where sevelral people coexist for lonlg periods of time:

- Offices or any working place.
- Commercial spaces such as bars, restaurants and shops.
- Learning centres such as schools and classrooms in general.
- Meeting spaces and waiting rooms.
- Gyms y changing rooms.

## KIT DE RENOVACIÓN DE AIRE Y REDUCCIÓN DE $CO_2$

### CARACTERÍSTICAS CONSTRUCTIVAS

- Sistema de ventilación sencillo para la renovación continua y lenta que apenas altera la temperatura interior de un local.
- Formado por dos ventiladores reversibles como es KUBALIK (el mismo ventilador permite aportar o extraer aire según se configure) y una sonda de $CO_2$ (SCO2 IAQ).
- Este kit permite que cualquier espacio interior donde cohabitan personas de distintas burbujas (una oficina, una escuela, un bar, etc.) tenga una buena calidad de aire gracias a la renovación controlada que permite el equipo.
- De forma económica, fácil y polivalente, el usuario podrá dar una solución a la carga de $CO_2$ de su establecimiento y ver constantemente la calidad de aire que respira.

### APLICACIONES

Cualquier espacio interior donde coexisten varias personas durante largos espacios de tiempo:

- Oficinas o cualquier puesto de trabajo.
- Espacios comerciales como bares, restaurantes y tiendas.
- Centros de formación como colegios y aulas en general.
- Espacios de reunión y salas de espera.
- Gimnasios y vestuarios.

| Model | Surface ($m^2$) | Air flow m³/h | Height (m) | Pressure (Pa) | Air renovations per hour | R.R.P € |
|---|---|---|---|---|---|---|
| Modelo | Superficie ($m^2$) | Q máx. m³/h | Altura (m) | Presión (Pa) | Renovaciones por hora | P.V.P € |
| KUBALIK-CO2 150 | 40 | 200 | 2,5 | 24 | 2 | **799,30** |
| KUBALIK-CO2 230 | 85 | 425 | 2,5 | 20 | 2 | **854,50** |
| KUBALIK-CO2 300 | 180 | 900 | 2,5 | 28 | 2 | **984,50** |

# ERELIS





Back draught damper
Compuerta antirretorno

## SILENT AND SLIM EXTRACTOR WITH BACK DRAUGHT DAMPER FOR CEILING AND WALL INSTVALLATION

### MANUFACTURING FEATURES

- Silent extractor for wall or ceiling installation with non-return damper to prevent the entry of unwanted or contaminating air. Eco-Friendly product manufactured with some recycled materials. Modern design with an ultra-thin 17mm thick front panel so that it does not come out when installed, which makes it a compact extractor ideal for short ducts (ideal for false ceilings and plasterboard). Very easy installation. Thanks to its impeller and motor anchor design with integrated deflectors we achieve very low sound levels with high airflows.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50ºC.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- Options:
- Basic
- Timer (T)
- Humidity sensor (HR) and timer (T)
- Motion sensor (Motion)

### APPLICATIONS

- Ideal for ventilation of small and medium spaces of domestic and commercial buildings.
- Installation in ventilation ducts Ø100, 125 and 150.

## EXTRACTOR SILENCIOSO, DELGADO Y CON COMPUERTA ANTIRRETORNO PARA INSTALACIÓN EN PARED O TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor silencioso para instalación en pared o techo con compuerta antirretorno para evitar la entrada de aire no deseado o contaminante. Producto Eco-Friendly fabricado con algunos materiales reciclados. Diseño moderno y con panel frontal ultrafino de 17mm de grosor para que no sobre salga al ser instalado que lo hace un extractor compacto ideal para conductos cortos (idóneo para falsos techos y pladur). De muy fácil instalación. Gracias a su diseño de hélice y anclaje de motor con deflectores integrados logramos unos niveles sonoros muy bajos.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Temperatura máxima de trabajo en continuo: 50ºC.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Opciones:
- Básico
- Temporizador (T)
- Sensor de humedad (HR) y temporizador (T)
- Sensor de presencia (Motion)

### APLICACIONES

- Ideal para ventilación de espacios pequeños y medianos de entornos domésticos y comerciales.
- Para instalar en conducto de ventilación Ø100, 125 y 150.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| ERE100 | ERELIS 100 | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,51 | **50,60** |
| ERE100M | ERELIS 100 Motion | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,51 | **90,50** |
| ERE100T | ERELIS 100 T | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,52 | **63,70** |
| ERE100THR | ERELIS 100 T HR | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,51 | **87,90** |
| ERE120 | ERELIS 120 | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,61 | **60,20** |
| ERE120M | ERELIS 120 Motion | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,61 | **100,70** |
| ERE120T | ERELIS 120 T | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,62 | **73,30** |
| ERE120THR | ERELIS 120 T HR | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,61 | **99,00** |
| ERE150 | ERELIS 150 | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,97 | **71,10** |
| ERE150M | ERELIS 150 Motion | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,97 | **114,00** |
| ERE150T | ERELIS 150 T | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,98 | **84,20** |
| ERE150THR | ERELIS 150 T HR | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,97 | **112,80** |

# TEKSTÜR





Back draught damper
Compuerta antirretorno

## HIGH-END EXTRACTOR WITH TIMER AND BACK DRAUGHT DAMPER FOR CEILING AND WALL INSTALLATION

### MANUFACTURING FEATURES

- High-end design extractor according to European industrial fashion canons with a smooth double textured front panel. By not carrying a grid and having a double textured shell, dust and dirt particles do not adhere easily, making it easier to clean the extractor. For wall or ceiling installation.
- High airflow rate, low noise level of operation and low energy consumption due to optimized wing-shaped profile blades and motor support designed to favor the passage of extracting air flow.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Includes electronic timer to set automatic operation as desired between 3 and 20 minutes.
- Back draught damper to prevent the entry of unwanted or polluting air.
- Maximum working temperature in continuous: 50ºC.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.

### APPLICATIONS

- Ideal for living rooms, bathrooms, and any design "high-end" space where the fan goes unnoticed by its nice modern design.
- To be installed in ventilation ducts. Compatible with 100 and 125 air ducts.

## EXTRACTOR DE ALTA GAMA CON TEMPORIZADOR Y COMPUERTA ANTIRRETORNO PARA INSTALACIÓN EN PARED O TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor de diseño estético acorde a los cánones de moda industrial europeos con panel frontal liso de doble textura. Al no llevar rejilla y tener una carcasa de doble textura las partículas de polvo y suciedad no se adhieren fácilmente, facilitando el limpiado del extractor. Para instalación en pared o techo.
- Alto rango de flujos de aire, bajo nivel sonoro de operación y bajo consumo de energía debido a las palas de perfil optimizado en forma de ala y al soporte del motor diseñado para favorecer el paso del flujo de aire en extracción.

Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.

- Incluye temporizador electrónico para ajustar el funcionamiento automático según se desee entre 3 y 20 minutos.
- Con compuerta antirretorno para evitar la entrada de aire no deseado o contaminante.

Temperatura máxima de trabajo en continuo: 50ºC.
Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

### APLICACIONES

- Ideal para salones, baños, y cualquier espacio de diseño donde el ventilador pasa desapercibido por su cuidada estética.
- Para ser instalado en conducto de ventilación. Compatible con conductos de 100 y 125.

| Code | Model | Voltage (V) | Rat. R.P.M | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| TEKS100T | TEKSTÜR 100 T | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 33,1 | 0,575 | **55,90** |
| TEKS120T | TEKSTÜR 120 T | 220-240 | 2240 | 0,12 | 20 | 175 | 49 | 39,1 | 0,8 | **67,40** |

ENKELROOF EEC

50/60 Hz



**Specially designed cowl to improve watertightness and integration of the assembly**

Sombrerete especialmente diseñado para mejorar la estanqueidad e integración del conjunto

**casals.com**

# TEKSTÜR PLUS





Automatic back draught damper
Compuerta automática antirretorno

## ULTRA-QUIET, HIGH-END WALL FAN WITH LONG LIFE BEARINGS AND AUTOMATIC BACK DRAUGHT DAMPER FOR CEILING AND WALL INSTALLATION

### MANUFACTURING FEATURES

- Ultra-quiet, high-end design extractor according to European industrial fashion canons with a smooth double textured front panel. By not carrying a grid and having a double textured shell, dust and dirt particles do not adhere easily, making it easier to clean the extractor. TEKSTÜR PLUS extractors are carefully designed to provide low environmental impact, using recyclable materials.
- Motor with long-life ball bearings that guarantee more than 30,000 hours of use and protected against thermal overload. Impact resistant and UV resistant thermoplastic ABS housing (prevents aging caused by exposure to sunlight). PP resin helico-centrifugal mixed-flow impellers. Equipped with a butterfly-shaped automatic non-return back draught damper carefully designed to prevent the return of dirty air or contaminants when the extractor is off.
- The helico-centrifugal impeller and motor supports have been specially designed to guarantee a high efficiency performance, low energy consumption and reduction of the sound level. Its compact design allows it to be ideal for installations with reduced space on the wall or ceiling.
- Maximum working temperature in continuous: 50ºC.
- IPX5 and IP45 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- All options with long life bearings (LL):
- Basic
- Timer (T)
- Humidity sensor (HR) and timer (T)
- Motion sensor (Motion)

### APPLICATIONS

- Ideal for living rooms, bathrooms, and any design "high-end" space where the fan goes unnoticed by its nice modern design.
- To be installed in ventilation ducts Ø100 and Ø125.

## EXTRACTOR ULTRA SILENCIOSO, DE ALTA GAMA Y RODAMIENTOS DE LARGA DURACIÓN Y COMPUERTA AUTOMÁTICA ANTIRRETORNO PARA PARED O TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor ultra silencioso, de diseño estético acorde a los cánones de moda industrial europeos con panel frontal liso de doble textura y tamaño compacto. Al no llevar rejilla y tener una carcasa de doble textura las partículas de polvo y suciedad no se adhieren fácilmente, facilitando el limpiado del extractor. Los extractores TEKSTÜR PLUS están cuidadosamente diseñados para proporcionar un bajo impacto ambiental, utilizando materiales reciclables.
- Motor con rodamientos de bolas de larga duración que garantizan más de 30.000 horas de uso y protegido contra la sobrecarga térmica. Carcasa de ABS termoplástico resistente a impactos y resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Turbina helicocentrífuga de resina PP. Equipados con compuerta automática antirretorno en forma de mariposa cuidadosamente diseñada para evitar el retorno de aires sucios o contaminantes cuando el extractor esta parado.
- La turbina helicocentrífuga y los soportes del motor han estado especialmente diseñados para garantizar unas prestaciones de alta eficiencia, un bajo consumo energético y reducción del nivel sonoro. Su diseño compacto le permite ser ideal para instalaciones con poco espacio en la pared o techo.
- Temperatura máxima de trabajo en continuo: 50ºC.
- Protección IPX5 y IP45. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Todas las opciones con rodamientos de larga duración (LL):
- Básico
- Temporizador (T)
- Sensor de humedad (HR) y temporizador (T)
- Sensor de presencia (Motion)

### APLICACIONES

- Ideal para salones, baños, y cualquier espacio de diseño donde el ventilador pasa desapercibido por su cuidada estética.
- Para ser instalado en conducto de ventilación Ø100 y Ø125.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3m | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3m | Peso Kg | P.V.P € |
| TEKSP100 | TEKSTÜR PLUS 100 LL | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,6 | **81,70** |
| TEKSP100M | TEKSTÜR PLUS 100 LL MOTION | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,6 | **178,50** |
| TEKSP100T | TEKSTÜR PLUS 100 LL T | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,61 | **114,70** |
| TEKSP100THR | TEKSTÜR PLUS 100 LL T HR | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,6 | **169,20** |
| TEKSP120 | TEKSTÜR PLUS 120 LL | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,77 | **127,70** |
| TEKSP120M | TEKSTÜR PLUS 120 LL MOTION | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,77 | **201,50** |
| TEKSP120T | TEKSTÜR PLUS 120 LL T | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,78 | **131,30** |
| TEKSP120THR | TEKSTÜR PLUS 120 LL T HR | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,77 | **194,10** |

# ESTELA



60 +info Hz

## SILENT CEILING FAN

### MANUFACTURING FEATURES
- Lightweight fan to install in false ceiling.
- Forward impeller.
- Air capture through the square base made of ABS plastic.
- Backdraft damper.
- Extraction connection by circular mouth.
- Easy motor access for maintenance.
- Low sound level.
- Motor 230V 50Hz.

### APPLICATIONS
Designed to be fixed to wall by self-tapping screws, or ceiling, they are suitable for:
- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation of premises with high noise level limitations.

## VENTILADOR DE TECHO SILENCIOSO

### CARACTERÍSTICAS CONSTRUCTIVAS
- Ventilador ligero para instalar en falso techo.
- Turbina a acción
- Captación de aire a través de la base cuadrada fabricada con plástico ABS.
- Compuerta antirretorno.
- Conexión extracción mediante embocadura circular.
- Fácil acceso al interior para la limpieza y mantenimiento.
- Bajo nivel sonoro.
- Motor 230V 50Hz.

### APLICACIONES
Diseñados para fijarse en pared con tornillos autorroscantes o en techo, son ideales para:
- Ventilación de extracción continua o periódica en baños, duchas, cocinas y espacios pequeños.
- Ventilación de espacios con limitaciones de ruido.

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power W | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | RPM | I nom (A) 230V | Pot. nom. W | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509701000 | ESTELA 100 | 860 | 0,091 | 0,02 | 260 | 39 | 3,50 | **91,10** |
| 509701500 | ESTELA 150 | 680 | 0,182 | 0,04 | 390 | 37 | 4,40 | **110,70** |
| 509701500Z001 | ESTELA 150 TURBO | 770 | 0,186 | 0,04 | 450 | 42 | 5,60 | **152,10** |

KUVIO-Q KUVIO-Q EEC

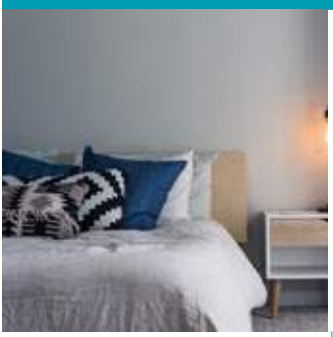
**Los más silenciosos del mercado**
The quietest on the market

Sólo disponible para el mercado nacional | Only available for the national market

Folleto



# > RECUPERADORES RESIDENCIALES EEC









KRISONA EEC

20 m²



KRISONA EEC DUO

20 m²



MOOTA LP EEC

80 m²



ORMEN EEC

180 m²



HIDRIDA LP EEC

90-240 m²

# > EEC RESIDENTIAL HEAT RECOVERY UNIT

## RESIDENTIAL RECOVERY UNITS SELECTION CHART | TABLA DE SELECCIÓN DE RECUPERADORES RESIDENCIALES

| | EEC | EEC | EEC | EEC |
|---|---|---|---|---|
| |  |  |  |  |
| | **KRISONA EEC** | **MOOTA LP EEC** | **ORMEN EEC** | **HIDRIDA LP EEC** |
| **MOTOR** | EC | EC | EC | EC |
| **AIRFLOW (m³/h)** CAUDAL (m³/h) | 41 | 64-122 | 300 | 206-380 |
| **INSTALLATION** INSTALACIÓN | muro / wall | false ceiling / falso techo | floor / suelo<br>muro / wall | false ceiling / falso techo |
| **FILTERS** FILTROS | ISO COARSE≥50% (G3) | ISO COARSE≥50% (G3)<br>ISO COARSE≥60% (G4) | ePM1≥50% (F7)<br>ISO Coarse≥60% (G4) | ISO ePM10 ≥ 50% (M5)<br>ISO ePM10 ≥ 50% (M5) |
| **EFFICIENCY %** EFICIENCIA % | 90 | 85 | 92 | 90 |
| **MAX. AREA (m²)** SUPERFÍCIE MAX (m²) | 20 | 80 | 180 | de 90 a 240 |

# KRISONA EEC



90%

EEC PM motors

## DESCENTRALIZED RESIDENTIAL RECOVERY UNIT

### MANUFACTURING FEATURES

- Decentralized residential recovery unit for single-stay use.
- Can be installed on perimeter walls between 300mm and 700mm thick. Diameter Ø160 mm for duct.
- Fans with EC motor, to guarantee very low consumption, driven by low voltage, with shafts mounted on ball bearings.
- VMC unit for a single room, with alternating flows, with a very high efficiency heat recovery unit (up to 90%) and a ceramic honeycomb exchanger.
- Filters ISO Coarse≥50% (G3), (ISO ePM10≥50% (M5)- optional).
- Degree of protection from dust and water: IPX4.
- Electrical insulation class: II (earthing is not required).

### SOME CONTROL FUNCTIONS

- Integrated selector with 3 operating modes:
Ventilation with heat recovery, air extraction and air supply.
Integrated selector with 5 adjustable speeds from 18 to 40 m³/h.
Integrated led light for filter status: led off for clean filters and led on for dirty filters that need to be replaced.

### APPLICATIONS

- Decentralized ventilation unit with heat recovery function, specifically designed for air exchange in residential spaces characterized by high levels of thermal insulation.
- For rooms up to 20m².

## UNIDAD DE RECUPERACIÓN RESIDENCIAL DESCENTRALIZADA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Unidad de recuperación residencial descentralizada para uso en monoestanza.
- Instalable en paredes perimetrales de entre 300 mm y 700 mm de espesor. Tubo para conducto de Ø160 mm.
- Ventiladores con motor EC, para garantizar un consumo muy bajo, accionados por bajo voltaje y con ejes montados en rodamientos de bolas.
- Unidad VMC para una sola habitación, de flujos alternos, con unidad de recuperación de calor de muy alta eficiencia (hasta 90%) y célula intercambiadora cerámica en forma de panal de abeja.
- Filtros ISO Coarse≥50% (G3), ( ISO ePM10≥50% (M5)- opcional).
- Grado de protección contra el polvo y el agua: IPX4.
- Clase de aislamiento eléctrico: II (no se requiere conexión a tierra).

### ALGUNAS FUNCIONES DEL CONTROL

- Selector con 3 modos de funcionamiento integrado:
ventilación con recuperación de calor, extracción y aportación de aire.
Selector de 5 velocidades ajustables de 18 a 40 m³/h integrado en el recuperador.
Luz led integrada para el estado del filtro: led apagado para filtros limpios y led encendido para filtros sucios que deben sustituirse.

### APLICACIONES

- Unidad de ventilación descentralizada con recuperación de calor diseñada específicamente para el intercambio de aire en espacios residenciales caracterizados por altos niveles de aislamiento térmico.
- Para habitaciones de hasta 20m².

## ACCESSORIES | ACCESORIOS



**TB** pg.396
Rigid PVC pipe
Tubo rígido



**PM** pg.396
Metal panel
Panel metálico



**REP** pg.396
External rubber grill
Rejilla de goma



**ACC** pg.396
Circular-rectangular adapter
Adaptador circular-rectangular



**RINOX** pg.396
Rectangular grid
Rejilla rectangular



**RINOXBACC** pg.396
Rectangular grid
Rejilla rectangular



**STEMP** pg.398
Sensor to control the air temperature
Sensor para controlar la temperatura

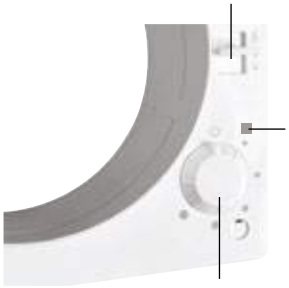


**SHR** pg.398
Sensor to control the rate of relative humidity
Sensor para control de humedad relativa

## TECHNICAL DATA | DATOS TÉCNICOS

| Code | Model | Ø mm | Min/Max Airflow m³/h | Min/Max W | Min/Max I (A) 230 | Pressure (Pa) | Sound Lw dB(A) | °C max | Weight (Kg) | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Ø mm | Min/Max Q m³/h | Min/Max W | Min/Max I (A) 230 | Presión (Pa) | Sonido Lw dB(A) | °C max | Peso (Kg) | P.V.P € |
| KRISEC40 | KRISONA 40 EEC | 160 | 41 | 1 / 5 | 0,015 / 0,050 | 6,2 / 40,6 | 44 | 30 | 2,55 | **545,20** |

Selector de modo de funcionamiento para el flujo de aire.
Operation mode selector for air flow sense.



Indicador LED del estado de los filtros.
Filter status indicator LED.

**LED off**
Filters clean.
Filtros limpios.

**LED on**
Filters to be cleaned or replaced.
Filtros para ser limpiados o reemplazados.

Selector de velocidad entre 1 y 5, encendido o apagado.
Speed selector between 1 and 5, on or off.

Heat exchanger insulation
Aislamiento de la célula intercambiadora



Rejilla de goma para montaje interior o exterior
Grid made of rubber to easy mount from outside or inside



**Hexagonal cell heat exchanger**
High efficiency heat accumulator made of ceramic.
**Intercambiador celulas hexagonales**
Acumulador de calor cerámico de alta eficiencia.













Decentralized recovery units.
Recuperadores descentralizados.
**KRISONA EEC & KRISONA DUO EEC**



Centralized recovery units.
Recuperadores centralizados.
**MOOTA LP EEC, HIDRIDA LP EEC, ORMEN EEC**



# KRISONA EEC DUO



90%

EEC PM motors

## WALL DESCENTRALIZED RESIDENTIAL RECOVERY UNIT WITH WIRED REMOTE CONTROL

### MANUFACTURING FEATURES

- Decentralized residential recovery unit for single-stack use in combination with a remote control (available as an accessory), connected by cable, wall-mounted and flush-mounted.
- Designed to minimize the aesthetic impact of the installed product, they are characterized by a particularly low-thickness wall frame (only 17 mm).
- Ultra low power consumption (2.8W to 8.6W), perfectly compatible with 24/7 operation.
- VMC unit for a single room, with alternating flows, with a very high efficiency heat recovery unit (up to 90%) and a ceramic exchanger cell in the form of a honeycomb.
- Fans with EC motor, to guarantee very low consumption, driven by low voltage and with shafts mounted on ball bearings.
- Extremely low noise levels, compatible with installation in living rooms (living room, study, bedroom) and use at night.
- Ventilation duct with damping mechanism, to avoid the risk of contaminants entering from the outside and to maximize thermal insulation in the event that the room is not occupied for long periods.
- Possibility of installation on exterior walls with a thickness between 300 mm and 700 mm (with optional accessory).
- Operation permitted in a wide range of outdoor temperatures (-20°/50°C).
- Degree of protection against dust and water: IPX4.
- Electrical insulation class: II (ground connection is not required).
- The remote control can manage up to a total of 6 decentralized recuperators.

### SOME CONTROL FUNCTIONS

Using the remote control (must be ordered separately) you can access the following options:

- Selection of 3 operating modes: Heat recovery, normal ventilation without heat recovery, and air extraction.
- Speed Selection
- Boost speed
- Filter status LED indicator: off for clean filters and on if filters are dirty and need to be replaced.

### APPLICATIONS

- Decentralized ventilation unit with heat recovery specifically designed for air exchange in residential spaces characterized by high levels of thermal insulation.
- For rooms up to 20m² for each recovery unit.

## UNIDAD DE RECUPERACIÓN RESIDENCIAL DESCENTRALIZADA DE PARED CON CONTROL REMOTO POR CABLE

### CARACTERÍSTICAS CONSTRUCTIVAS

- Unidad de recuperación residencial descentralizada para uso en monoestanza en combinación con un control remoto (disponible como accesorio), conectado por cable, de montaje en pared.
- Diseñados para minimizar el impacto estético del producto instalado, se caracterizan por un marco de pared de espesor particularmente bajo (sólo 17 mm).
- Consumo de energía ultra bajo (2,8W a 8,6W), perfectamente compatible con el funcionamiento 24/7.
- Unidad VMC para una sola habitación, de flujos alternos, con unidad de recuperación de calor de muy alta eficiencia (hasta 90%) y célula intercambiadora cerámica en forma de panal de abeja.
- Ventiladores con motor EC, para garantizar un consumo muy bajo, accionados por bajo voltaje y con ejes montados en rodamientos de bolas.
- Niveles de ruido extremadamente bajos, compatibles con la instalación en salas de estar (salón, estudio, dormitorio) y uso durante la noche.
- Conducto de ventilación con mecanismo de amortiguación, para evitar el riesgo de que entren contaminantes desde el exterior y maximizar el aislamiento térmico en caso de que la habitación no esté ocupada por períodos prolongados.
- Posibilidad de instalación en paredes exteriores de espesor entre 300 mm y 700 mm (con accesorio opcional).
- Operación permitida en una amplia gama de temperaturas exteriores (-20°/50 °C).
- Grado de protección contra el polvo y el agua: IPX4.
- Clase de aislamiento eléctrico: II (no se requiere conexión a tierra).
- El control remoto puede gestionar hasta un total de 6 recuperadores descentralizados.

### ALGUNAS FUNCIONES DEL CONTROL

Mediante el control remoto (debe pedirse aparte) se puede acceder a las siguientes opciones:

- Selección de 3 modos de funcionamiento: recuperación de calor, ventilación normal sin recuperación de calor, y extracción de aire.
- Selección de la velocidad
- Velocidad turbo
- Indicador LED del estado de los filtros: apagado para los filtros limpios y encendido si los filtros están sucios y deben sustituirse.

### APLICACIONES

- Unidad de ventilación descentralizada con recuperación de calor diseñada específicamente para el intercambio de aire en espacios residenciales caracterizados por altos niveles de aislamiento térmico.
- Para habitaciones de hasta 20m² para cada recuperador de calor.

## ACCESSORIES | ACCESORIOS



**TB** pg.396
Rigid PVC pipe
Tubo rígido



**PM** pg.396
Metal panel
Panel metálico



**REP** pg.396
External rubber grill
Rejilla de goma



**ACC** pg.396
Circular-rectangular adapter
Adaptador circular-rectangular



**RINOX** pg.396
Rectangular grid
Rejilla rectangular



**RINOXBACC** pg.396
Rectangular grid
Rejilla rectangular



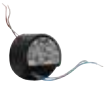
**STEMP** pg.398
Sensor to control the air temperature
Sensor para controlar la temperatura



**SHR** pg.398
Sensor to control the rate of relative humidity
Sensor para control de humedad relativa



**CTRL-DUO** pg.389
Control for KRISONA EEC DUO
Control para KRISONA EEC DUO



**RPS 24W** pg.398
24W power supply
Fuente de alimentación 24W



**SPS 36W** pg.398
36W power supply
Fuente de alimentación 36W



**SPS-DIN 36W** pg.398
Power supply with IN 36W rail
Fuente de alimentación con carrilera IN 36W



**FPC** pg.398
Ferrita for wiring
Ferrita para cableado

## TECHNICAL DATA | DATOS TÉCNICOS

| Speed | Supply/extract airflow at different speed levels m³/h | Fan power W | Heat recovery efficiency | Supply voltage V | Nominal current A | Weight Kg | Temperature Max °C | Sound pressure breakout LPA dB(A)* |
|---|---|---|---|---|---|---|---|---|
| Velocidad | Caudal aportación/ extracción a diferentes velocidades m³/h | Potencia ventilador W | Eficiencia del intercambiador | Voltaje aportación V | Intensidad nominal A | Peso Kg | Temperatura máx. °C | Ruptura de presión acústica LPA dB (A) * |
| 1 | 9 | 2 | up to / hasta 90% | input 230V-50/60Hz / output 12V | 0,026 | 2,55 | -20° / 50°C | 16/22/26 |
| 2 | 16 | 2,7 | | | 0,035 | | | |
| 3 | 25 | 3,7 | | | 0,048 | | | |
| 4 | 33 | 5 | | | 0,056 | | | |
| BOOST | 42 | 5,6 | | | 0,057 | | | |

* Sound pressure levels have been calculated at 3 mt in free field according ti UNI EN ISO 3741:210.
* Los niveles de presión sonora han sido calculados a 3 mt en campo libre según UNI EN ISO 3741:210.

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| KRISEC40D | KRISONA 40 EEC DUO | **403,30** |

## CONTROL | CONTROL

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| CTRLKRISECD | CONTROL KRISONA 40 EEC DUO | **141,80** |

# KUBALIK CO2

AIR RENEWAL AND $CO_2$ REDUCTION KIT



KIT DE RENOVACIÓN DE AIRE Y REDUCCIÓN DE $CO_2$

Offices, commercial spaces, bars, restaurants, shops, training / meeting centers, waiting rooms and changing rooms

Brochure

Folleto

Oficinas, espacios comerciales, bares, restaurantes, tiendas, centros de formación / reunión, salas de espera y vestuarios








# MOOTA LP EEC



85%

EEC PM motors

## RESIDENTIAL HEAT RECOVERY UNIT WITH EC MOTOR FOR FALSE CEILING

### MANUFACTURING FEATURES

- Dual flow centralized ventilation unit with heat recovery for false ceiling installation.
- It is characterized by high levels of thermal insulation.
- Version equipped with HR sensor, for automatic management of operating speed.
- Black painted sheet steel housing, including brackets for fixing fasteners, in galvanized sheet steel, supplied as standard and required for suspended installation of the appliance. Internal details in expanded polypropylene (PPE) that integrate the connection ports to the extraction and supply pipes with a nominal diameter of 100 and 125 mm. The panels at the bottom of the product provide access to the filters and the main internal components (fans, heat exchanger, electronic package and network connection terminal block).
- Plastic resin condensate collection tank, connected to the heat exchanger and complete with the condensation overflow sensor.
- Pair of centrifugal fans powered by 3-speed EC (brushless) motors, adjustable regardless of speed.
- Counter-current cross-flow heat exchanger.
- Mechanical bypass, 100% filtered, with automatic actuation.
- Advanced electronic package, easily accessible even when the product is already installed for initial configurations and subsequent maintenance interventions.
- Two ISO COARSE≥50% (G3) filters, placed in correspondence with the extraction and supply lines (optional ISO COARSE≥ 60% (G4) filters are available for the extraction channel, ISO ePM10 ≥50% (M5), ISO ePM1≥50% (F7) and ISO ePM1≥ 80% (F9) for the supply channel).
- Wired control supplied with the recovery unit.

### SOME CONTROL FUNCTIONS

- Configuration, at installation, of the product's operating parameters (fan speed, relative humidity threshold, etc.)
- Automatic bypass management.
- Heat exchanger frost protection.
- Monitoring of the clogging status of the filters and signaling of the need for cleaning/maintenance by means of an optical signal on the control display.

### APPLICATIONS

- Specifically designed for ventilation of small apartments and offices, residences and hotel rooms, with an area of up to 80 $m^2$.

## RECUPERADOR DE CALOR CON MOTOR EC PARA FALSO TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Unidad de ventilación centralizada de doble flujo con recuperación de calor para instalación en falso techo.
- Se caracteriza por altos niveles de aislamiento térmico.
- Versión equipada con sensor HR, para la gestión automática de la velocidad de funcionamiento.
- Carcasa de chapa de acero pintada de negro, incluidos los soportes para la fijación de las sujeciones, en chapa de acero galvanizado, suministrada de serie y necesaria para la instalación suspendida del aparato. Detalles internos en polipropileno expandido (PPE) que integran los puertos de conexión a las tuberías de extracción y suministro con un diámetro nominal de 100 y 125 mm. Los paneles de la parte inferior del producto facilitan el acceso a los filtros y los componentes internos principales (ventiladores, intercambiador de calor, paquete electrónico y bloque de terminales de conexión a la red).
- Tanque de recolección de condensados de resina plástica, unido con el intercambiador de calor y se completa con el sensor de desbordamiento por condensación.
- Par de ventiladores centrífugos accionados por motores EC (sin escobillas) de 3 velocidades, ajustables independientemente de la velocidad.
- Intercambiador de calor de flujos cruzados a contracorriente.
- Bypass mecánico, 100% filtrado, con accionamiento automático.
- Paquete electrónico avanzado, de fácil acceso incluso cuando el producto ya está instalado para configuraciones iniciales y posteriores intervenciones de mantenimiento.
- Dos filtros ISO COARSE≥50% (G3), colocados en correspondencia con los conductos de extracción y aportación (los filtros ISO COARSE≥60% (G4) opcionales están disponibles para el canal de extracción, ISO ePM10≥50% (M5), ISO ePM1≥50% (F7) y ISO ePM1≥80% (F9) para el canal de aportación).
- Control cableado suministrado con la unidad de recuperación.

### ALGUNAS FUNCIONES DEL CONTROL

- Configuración, en la instalación, de los parámetros operativos del producto (velocidad del ventilador, umbral de humedad relativa, etc.)
- Gestión automática de bypass.
- Protección del intercambiador de calor contra la formación de escarcha.
- Monitorización del estado de colmatación de los filtros y señalización de la necesidad de limpieza / mantenimiento mediante una señal óptica en el display del control.

### APLICACIONES

- Diseñado específicamente para la ventilación de pequeños apartamentos y oficinas, residencias y habitaciones de hotel, con una superficie de hasta 80 $m^2$.

## ACCESSORIES | ACCESORIOS



**THERMI** pg.396
Reinforced flexible tube with thermal insulation of aluminium (Ø127).
Conducto flexible con aislamiento térmico de aluminio e interior reforzado (Ø127).



**C-RES** pg.397
Reducing flexible circular duct clamp from 150 to 125 mm.
Abrazadera para conducto circular flexible reductora de 150 a 125 mm.



**CFPF** pg.397
Rod prefilter.
Filtro de varillas.



**CFF** pg.397
Filter cells with FiberPlast frame .
Filtro de celdas con marco FiberPlast.



**CHEF** pg.397
High efficiency, rigid and compact filters
Filtro compacto rígido de alta eficacia



**REP 125** pg.396
Exterior polypropylene anti-insect grille. Diameter 125.
Rejilla exterior de polipropileno antiinsectos. Diametro 125.



**PLEN-6** pg.396
6-hole distribution plenum.
Plenum de distribución de 6 bocas.



**HDPE** pg.396
Semi-flexible circular duct
Conducto circular semiflexible



**CON-HDPE** pg.396
Circular connector for HDPE conduit.
Conector circular para conducto HDPE.



**AS-HDPE** pg.397
Sealing ring for conduit and connector.
Anillo de sellado para conducto y conector.



**AE-HDPE** pg.397
Anti-extrusion ring.
Anillo anti-extrusión.



**PLEND** pg.397
Plenum box with direct coupling rectangular grid.
Plenum con acoplamiento directo rejilla rectangular.



**REJD1** pg.397
Air diffusion grille 193X140 mm.
Rejilla de difusión de aire 193X140 mm.



**REJD3** pg.397
Air diffusion grille 366X140 mm.
Rejilla de difusión de aire 366X140 mm.



**CTRL RHRU** pg.393
Control para MOOTA LP EEC.
Control for MOOTA LP EEC.



**ECR 500** pg.398
Electrical coil.
Batería eléctrica.

## TECHNICAL DATA | DATOS TÉCNICOS

| Code | Model | Min/Max Airflow m³/h | Min/Max Q l/s | Min/Max W | Min/Max I (A) | Min/Max mmH2O | Min/Max Pa | Max ºC | Weight (Kg) | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Min/Max Q m³/h | Min/Max Q l/s | Min/Max W | Min/Max I (A) | Min/Max mmH2O | Min/Max Pa | Max ºC | Peso (Kg) | P.V.P € |
| MOT120HR | MOOTA LP 120 BP HR EEC | 64/122 | 17/34 | 6/86 | 0,1/0,37 | 10/20 | 100/200 | 40 | 8,3 | **2.323,90** |

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# ORMEN EEC



92%

## WALL MOUNTING RESIDENTIAL HEAT RECOVERY UNIT WITH EC MOTOR AND PASSIVHAUS CERTIFIED

### MANUFACTURING FEATURES

- Dual flow centralised unit with heat recovery for floor and wall installation.
- ORMEN 300 EEC has the Passivhaus Certificate, the energy certification standard whose objective is to achieve energy savings up to 90% in a building or house compared to a conventional building.
- Internal structure in high density expanded polypropylene 40Kg/mc.
- Aesthetic front panel in plastic resin, glossy white finish.
- Connection ports to pipes with a nominal diameter of 125 mm, centrifugal fans with backward curved blades directly coupled to EC motors.
- High efficiency heat exchanger of the counterflow type in plastic material (PS).
- Automatic mechanical by-pass for free-cooling.
- Inlet air filter ePM1≥50% (F7) and supply filter ISO Coarse≥60% (G4), placed respectively in correspondence of the input and expulsion channels.
- Integrated control panel (Optional wired remote connection LCD control panel).
- Support bracket for wall installation integrated in the product.
- Can be integrated into residential home automation systems (ModBus protocol) on RS485 SLAVE mode.
- Performance and safety certified by third party body.

### ALGUNAS FUNCIONES DEL CONTROL

Built-in control panel supplied as per standard:

- Product switch-on and switch-off.
- Initial configuration of the product.
- Selection of operating speed.
- Programming operation.
- Monitoring of the correct operation of the product (any malfunctioning is highlighted through error messages shown on the display).
- Indication of the condition of the saturated filters on the display.

### APPLICATIONS

- Ideal for ventilation of homes and residential and commercial premises with surface area up to 180 $m^2$.

## RECUPERADOR DE CALOR DE PARED CON MOTOR EC Y CERTIFICADO PASSIVHAUS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Unidad de ventilación centralizada de doble flujo con recuperación de calor para instalación en suelo y pared.
- ORMEN 300 EEC cuenta con el Certificado Passivhaus, el estándar de certificación energética cuyo objetivo es conseguir en un edificio o casa ahorros energéticos de hasta un 90% frente a un edificio convencional.
- Estructura interna en polipropileno expandido de alta densidad 40 Kg/mc.
- Panel frontal estético en resina plástica, acabado blanco brillante.
- Puertos de conexión a tuberías con un diámetro nominal de 125 mm, ventiladores centrífugos con aspas curvadas hacia atrás directamente acopladas a motores EC.
- Intercambiador de calor de alta eficiencia del tipo contracorriente en material plástico (PS).
- Bypass mecánico automático para free-cooling (enfriamiento gratuito).
- Filtros de entrada ePM1≥50% (F7) y ISO Coarse≥60% (G4) para la salida, colocados respectivamente en correspondencia con los canales de entrada y expulsión.
- Panel de control integrado (panel de control remoto con cable con conexión opcional por cable).
- Soporte para instalación en pared integrado en el producto.
- Se puede integrar en sistemas residenciales de automatización del hogar (protocolo ModBus) en modo RS485 SLAVE.
- Rendimiento y seguridad certificados por un organismo externo.

### ALGUNAS FUNCIONES DEL CONTROL

Panel de control incorporado suministrado de serie:

- Encendido y apagado del producto.
- Configuración inicial del producto.
- Selección de velocidad de operación.
- Operación de programación.
- Monitoreo del funcionamiento correcto del producto (cualquier mal funcionamiento se resalta a través de mensajes de error que se muestran en la pantalla).
- Indicación de la condición de los filtros saturados en la pantalla.

### APLICACIONES

- ideal para ventilación de hogares y locales residenciales y comerciales con una superficie de hasta 180 $m^2$.

## ACCESSORIES | ACCESORIOS



**THERMI** pg.396
Reinforced flexible tube with thermal insulation of aluminium (Ø127).
Conducto flexible con aislamiento térmico de aluminio e interior reforzado (Ø127).



**C-RES** pg.397
Reducing flexible circular duct clamp from 150 to 125 mm.
Abrazadera para conducto circular flexible reductora de 150 a 125 mm.



**CFGF** pg.397
Cell filter with galvanized frame.
Filtro de celdas con marco galvanizado.



**CFF** pg.397
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**ECR 500** pg.398
Electrical coil.
Batería eléctrica.



**REP 125** pg.396
Exterior polypropylene anti-insect grille. Diameter 125.
Rejilla exterior de polipropileno antiinsectos. Diametro 125.



**PLEN-6** pg.396
6-hole distribution plenum.
Plenum de distribución de 6 bocas.



**HDPE** pg.396
Semi-flexible circular duct.
Conducto circular semiflexible.



**CON-HDPE** pg.396
Circular connector for HDPE conduit.
Conector circular para conducto HDPE.



**AS-HDPE** pg.397
Sealing ring for conduit and connector.
Anillo de sellado para conducto y conector.



**AE-HDPE** pg.397
Anti-extrusion ring.
Anillo anti-extrusión.



**PLEND** pg.397
Plenum box with direct coupling rectangular grid.
Plenum con acoplamiento directo rejilla rectangular.



**REJD1** pg.397
Air diffusion grille 193X140 mm.
Rejilla de difusión de aire 193X140 mm.



**REJD3** pg.397
Air diffusion grille 366X140 mm.
Rejilla de difusión de aire 366X140 mm.



**CTRL RHRU** pg.393
Control for ORMEN EEC.
Control para ORMEN EEC.

## TECHNICAL DATA | DATOS TÉCNICOS

| Code | Model | Ø | Max Airflow m³/h | Max Q l/s | Max W | Max I (A) | Max mmH2O | Max Pressure (Pa) | Lp (dB (A)) 3 m | Max °C | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Ø | Q max m³/h | Max Q l/s | Max W | Max I (A) | Max mmH2O | Max Presión (Pa) | Lp (dB (A)) 3 m | Max °C | Peso Kg | P.V.P € |
| ORMEN300 | ORMEN 300 EEC | 125 | 300 | 83 | 190 | 1,35 | 75 | 735 | 24 | 40 | 15 | **2.571,50** |

## CONTROL | CONTROL

| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CTRLRHRU | CTRL RHRU DEPORTADO | ORMEN 300 EEC / MOOTA LP EEC | **144,80** |



# HIDRIDA LP EEC





Easy filter extraction.
Fácil extracción de filtros.

90%

EEC PM motors

## FALSE CEILING HEAT RECOVERY UNITS

### MANUFACTURING FEATURES

- Centralized double flow ventilation unit with heat recovery unit for false-ceiling installation.The ideal compromise between performance, functions, purchase and operating costs makes the HIDRIDA LP EEC range the most cost-effective solution for the ventilation.
- 2 models, different in size and performance provided.
- Casings in galvanized steel sheet integrating the support brackets for false ceiling mounting; interior shell covered in sound-absorbing and fire-resistant heat-insulating material (DIN EN 13501). Tie rods for suspended installation included in the standard equipment.
- Inlet and outlet vents compatible with the combination with tubes with a nominal diameter of 125 mm (HIDRIDA LP 200 EEC ) and 150 mm (HIDRIDA LP 350 EEC).
- Pair of fan motors driven by external rotor EC (brushless) motors, with shafts mounted on bearings balls, directly coupled to backward curved centrifugal impellers to guarantee high aeraulic efficiency. 3 speeds of functioning, independently settable at the time of installation.
- High efficiency heat exchanger, cross-flow counter-flow type, made of plastic resin (PS).
- Antifreeze protection with automatic activation, to prevent the formation of frost at the heat exchanger.
- Thermodynamic, automatic and 100% filtered by-pass, to guarantee occupant comfort. Ideal for half seasons, or in any case when the outside temperature does not require the action of the heat exchanger.
- Three-speed control panel supplied can be housed in a 503 box.
- Pair of ISO ePM10≥50% (M5) filters ISO ePM1≥50% (F7) filter available as an option for the delivery duct), easily accessible for repairs periodic maintenance.
- Condensate collection tray with drain devices.
- Degree of protection against dust and water: IPX2.
- Class of electrical insulation: II (earthing is not required).

### SOME CONTROL FUNCTIONS

Remote command group, of the wired connection type, which allows:

- Switching the product on and off.
- The choice of the product's minimum, average or maximum speed.
- Signaling, by means of an indicator light, of the condition of saturated filters.

### APPLICATIONS

Ventilation of residential and commercial premises of up to 90 m² (HIDRIDA LP 200 EEC) or 240 m² (HIDRIDA LP 350 EEC).

### UNDER REQUEST

- Possibility of installation with external environmental sensors (optional), for the passage for the automatic control of the operating mode.

## UNIDADES DE RECUPERACIÓN DE CALOR DE FALSO TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Unidad de ventilación centralizada de doble flujo con unidad de recuperación de calor para instalación en falso techo. El compromiso ideal entre rendimiento, funciones, compra y costos de operación hace que la gama HIDRIDA LP EEC sea la solución más rentable para la ventilación.
- 2 modelos, de diferente tamaño y rendimiento.
- Carcasas en chapa de acero galvanizado que integran los soportes para el montaje en falso techo; carcasa interior cubierto con material de aislamiento térmico resistente al fuego e insonorizante (DIN EN 13501). Tirantes para instalación suspendida incluido en el equipamiento estándar.
- Ventilaciones de entrada y salida compatibles con la combinación con tubos con un diámetro nominal de 125 mm (HIDRIDA LP 200 EEC) y 150 mm (HIDRIDA LP 350 EEC).
- Par de motores de ventilador accionados por motores de rotor externo EC (sin escobillas), con ejes montados en cojinetes bolas, directamente acopladas a impulsores centrífugos curvados hacia atrás para garantizar una alta eficiencia hidráulica. 3 velocidades de funcionamiento, configurable independientemente en el momento de la instalación.
- Intercambiador de calor de alta eficiencia, tipo contracorriente de flujo cruzado, hecho de resina plástica (PS).
- Protección anticongelante con activación automática, para evitar la formación de escarcha en el intercambiador de calor.
- Bypass termodinámico, automático y 100% filtrado, para garantizar la comodidad de los ocupantes. Idóneo para épocas de entretiempo o en cualquier caso cuando la temperatura exterior no requiere la acción del intercambiador de calor.
- El panel de control de tres velocidades suministrado se puede alojar en una caja 503.
- Par de filtros ISO ePM10 ≥ 50% (M5) filters ISO ePM1≥ 50% (F7) disponible como opción para el conducto de entrega), fácilmente accesible para reparaciones mantenimiento periódico.
- Bandeja de recogida de condensados con dispositivos de drenaje.
- Grado de protección contra el polvo y el agua: IPX2.
- Clase de aislamiento eléctrico: II (no se requiere conexión a tierra).

### ALGUNAS FUNCIONES DEL CONTROL

Grupo de comando remoto, del tipo de conexión por cable, que permite:

- Encender y apagar el producto.
- La elección de la velocidad mínima, media o máxima del producto.
- Señalización, por medio de una luz indicadora, del estado de los filtros saturados.

### APLICACIONES

Ventilación de locales residenciales y comerciales de hasta 90 m² (HIDRIDA LP 200 EEC) o 240 m² (HIDRIDA LP 350 EEC).

### BAJO DEMANDA

- Posibilidad de instalar sensores ambientales externos (opcional), para el paso para el control automático de la modo de operación.

## ACCESSORIES | ACCESORIOS



**THERMI** pg.396
Reinforced flexible tube with thermal insulation of aluminium (Ø127).
Conducto flexible con aislamiento térmico de aluminio e interior reforzado (Ø127).



**C-RES** pg.397
Reducing flexible circular duct clamp from 150 to 125 mm.
Abrazadera para conducto circular flexible reductora de 150 a 125 mm.



**CHEF** pg.397
High efficiency, rigid and compact filters
Filtro compacto rígido de alta eficacia



**CFF** pg.397
Filter cells with FiberPlast frame
Filtro de celdas con marco FiberPlast



**ECR 500** pg.398
Electrical coil.
Batería eléctrica.



**ECR 750** pg.398
Electrical coil.
Batería eléctrica.



**REP 125** pg.396
Exterior polypropylene anti-insect grille. Diameter 125.
Rejilla exterior de polipropileno antiinsectos. Diametro 125.



**PLEN-6** pg.396
6-hole distribution plenum.
Plenum de distribución de 6 bocas.



**HDPE** pg.396
Semi-flexible circular duct.
Conducto circular semi-flexible.



**CON-HDPE** pg.396
Circular connector for HDPE conduit.
Conector circular para conducto HDPE.



**AS-HDPE** pg.397
Anillo de sellado para conducto y conector.
Sealing ring for conduit and connector.



**AE-HDPE** pg.397
Anti-extrusion ring.
Anillo anti-extrusión.



**PLEND** pg.397
Plenum box with direct coupling rectangular grid.
Plenum con acoplamiento directo rejilla rectangular.



**REJD1** pg.397
Air diffusion grille 193X140 mm.
Rejilla de difusión de aire 193X140 mm.



**REJD3** pg.397
Air diffusion grille 366X140 mm.
Rejilla de difusión de aire 366X140 mm.

## TECHNICAL DATA | DATOS TÉCNICOS

| Code | Model | Ø | Max Airflow m³/h | Max I (A) | Max W | Max Pressure (Pa) | Lp (dB (A)) 3m | Max ºC | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|---|---|
| Código | Modelo | Ø | Max Q m³/h | Max I (A) | Max W | Max Presión (Pa) | Lp (dB (A)) 3m | Max ºC | Peso Kg | P.V.P € |
| HIDLP200 | HIDRIDA LP 200 EEC | 125 | 206 | 1,0 | 102 | 426 | 22,8 | 40 | 24 | **2.531,20** |
| HIDLP350 | HIDRIDA LP 350 EEC | 150 | 380 | 2,0 | 250 | 550 | 16,7 | 50 | 33 | **3.323,90** |

RECUPERADORES TERCIARIOS EEC



OREQA EEC



83%

QUANTICA EEC

Catálogo

Catalogue

## SYSTEM ACCESSORIES | ACCESORIOS DE SISTEMA

Accessories for ventilation system with recovery units.
Accesorios para el sistema de ventilación con recuperadores residenciales.

## MECHANICAL ACCESSORIES | ACCESORIOS MECÁNICOS

### TB

Rigid PVC pipe (diameter 160 and length 700 mm) for wall mounting.
Tubo rígido de PVC (diámetro 160 y longitud 700 mm) para montaje en pared.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| TB1670 | TB | KRISONA EEC & KRISONA EEC DUO | **43,80** |

### PM

Metal panel "windbreak" for exterior in stainless steel sheet.
Panel metálico "paraviento" para exterior en chapa de acero inoxidable.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PM316323 | PM | KRISONA EEC & KRISONA EEC DUO | **151,10** |

### ACC

90° Circular / Square Adapter for entry and exit through a window jamb.
Adaptador Circular/cuadrado de 90° para entrada y salida a través de una jamba de ventana.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| ACC90 | ACC | KRISONA EEC & KRISONA EEC DUO | **111,00** |

### RINOXBAAC

Rectangular grid in powder-coated stainless steel, white RAL 9003, for ACC kit.
Rejilla rectangular de acero inoxidable lacado en polvo, blanco RAL 9003, para kit ACC.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| RINOXBAAC | RINOXBACC | KRISONA EEC & KRISONA EEC DUO | **36,10** |

### RINOX

Rectangular stainless steel grill for window adapter kit ACC.
Rejilla rectangular de acero inoxidable para kit adaptador ACC.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| RINOXAAC | RINOX | KRISONA EEC & KRISONA EEC DUO | **36,10** |

### REP

External rubber grille that can be installed from the inside without the need for scaffolding.
Rejilla exterior de goma que se puede instalar desde el interior sin necesidad de utilizar andamio.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| REP260 | REP | KRISONA EEC & KRISONA EEC DUO | **17,40** |

### REP125

Exterior polypropylene anti-insect grille. Diameter 125.
Rejilla exterior de polipropileno antiinsectos. Diametro 125.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| REP125 | REP125 | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **18,60** |

### PLEN-6

6-hole distribution plenum.
Plenum de distribución de 6 bocas.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| PLEN-6 | PLEN-6 | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **290,00** |

### HDPE

Semi-flexible circular duct with smooth inner surface made of HDPE (high density polyethylene), double wall. Externally self-extinguishing and internally antistatic.
Conducto circular semiflexible con superficie interior lisa fabricado en HDPE (polietileno de alta densidad), doble pared. Autoextinguible externamente y antiestático internamente.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| HDPE | HDPE | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **360,70** |

### CON-HDPE

Circular connector for HDPE conduit.
Conector circular para conducto HDPE.



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CON | CON-HDPE | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **11,00** |

### THERMI-CV

Reinforced flexible tube with thermal insulation of aluminium (Ø127).
Conducto flexible con aislamiento térmico de aluminio e interior reforzado (Ø127).



| Code | Model | Appliaction | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| 10000602 | THERMI-CV Ø127 | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **62,20** |

## AS-HDPE

Sealing ring for conduit and connector.
Anillo de sellado para conducto y conector.



| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| AS-HDPE | AS-HDPE | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **36,50** |

## AE-HDPE

Anti-extrusion ring.
Anillo anti-extrusión.



| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| AE-HDPE | AE-HDPE | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **22,90** |

## PLEND

Plenum box with direct coupling rectangular grid.
Plenum con acoplamiento directo rejilla rectangular.



| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| PLEND | PLEND | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **138,70** |

## REJD1

Air diffusion grille 193X140 mm.
Rejilla de difusión de aire 193X140 mm.



| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| REJD193140 | REJD1 | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **95,00** |

## REJD3

Air diffusion grille 366X140 mm.
Rejilla de difusión de aire 366X140 mm.



| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| REJD366140 | REJD3 | MOOTA LP 120 BP HR EEC, HIDRIDA 200/350 EEC & ORMEN 300 EEC | **111,00** |

## C-RES

Reducing flexible circular duct clamp from 150 to 125 mm.
Abrazadera para conducto circular flexible reductora de 150 a 125 mm.



| Code / Código | Model / Modelo | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| CRES150 | C-RES | MOOTA LP 120 BP HR EEC, IDRIDA 200/350 EEC & ORMEN 300 EEC | **12,20** |

## CHEF

High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.



### ePM1≥50% (F7)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTF07009 | 228x224x24 | HIDRIDA LP 200 EEC | **81,60** |
| FILTF07001 | 230x250x48 | HIDRIDA LP 350 EEC | **88,70** |
| FILTF07002 | 275x125x48 | ORMEN 300 EEC | **64,50** |
| FILTF07000 | 208X127X25 | MOOTA LP 120 BP HR EEC | **41,30** |

### ePM1≥65% (F8)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTF08000 | 275x125x48 | ORMEN 300 EEC | **71,70** |

### ePM1≥ 80% (F9)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTF09004 | 208X127X25 | MOOTA LP 120 BP HR EEC | **42,60** |

## CFPF

Rod prefilter
Filtro de varillas



### ISO COARSE≥50% (G3)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTG03000 | 206X132X5 | MOOTA LP 120 BP HR EEC | **26,60** |

### ISO COARSE≥60% (G4)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTG04000 | 206X132X5 | MOOTA LP 120 BP HR EEC | **35,90** |

## CFF

Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



### ePM10≥50% (M5)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTM05000 | 208X127X25 | MOOTA LP 120 BP HR EEC | **35,90** |
| FILTM05001 | 212X227X24 | HIDRIDA LP 200 EEC | **47,30** |
| FILTM05003 | 275X125X48 | ORMEN 300 EEC | **30,20** |

## CFGF

Cell filter with galvanized frame
Filtro de celdas con marco galvanizado



### ISO COARSE≥60 (G4)

| Code / Código | Dimensions / Dimensiones | Appliaction / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| FILTG04001 | 275x125x48 | ORMEN 300 EEC | **30,20** |
| FILTM05002 | 230x250x48 | HIDRIDA LP 350 EEC | **47,30** |

## SYSTEM ACCESSORIES | ACCESORIOS DE SISTEMA

Accessories for ventilation system with recovery units.
Accesorios para el sistema de ventilación con recuperadores residenciales.

## ELECTRICCAL ACCESSORIES | ACCESORIOS ELÉCTRICOS

### STEMP



Sensor to control the air temperature in the room: allows automatic start or speed change of the combined product when the temperature exceeds the preset value, selectable by external trimmer and adjustable in the range 10°C - 40°C. A timer allows the appliance to operate for a predetermined time, which can be set during installation from 3 to 20 minutes, after the temperature has dropped below the predetermined threshold. Single-phase 220-240V / 50-60 Hz power supply. Wall installation. The color white. Maximum allowable load: 3A. Enclosure for wall installation with IP20 protection.
Sensor para controlar la temperatura del aire en el ambiente: permite el arranque automático o el cambio de velocidad del producto combinado cuando la temperatura excede el valor preestablecido, seleccionable mediante trimmer externo y ajustable en el rango 10°C - 40°C. Un temporizador permite que el aparato funcione durante un tiempo predeterminado, que se puede configurar durante la instalación de 3 a 20 minutos, después de que la temperatura haya caído por debajo del umbral predeterminado. Fuente de alimentación monofásica 220-240V / 50-60 Hz. Instalación en pared. El color blanco. Carga máxima admisible: 3A. Envolvente para instalación mural con protección IP20.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| STEMP3A | STEMP | KRISONA EEC &<br>KRISONA EEC DUO | **105,70** |

### SHR



Sensor for controlling the rate of relative humidity (RH) in the air: allows automatic start or speed switching of the combined product when the percentage of RH exceeds 65%. If the humidity does not exceed the threshold, the associated appliance turns on automatically a few seconds after the light is turned on and continues to operate, after it is turned off, for a preset time, which can be set during installation from 3 to 20 minutes . Single-phase power supply 220-240 V / 50-60 Hz. Wall installation. The color white. Maximum admissible load: 3 A. Enclosure for wall installation with IP20 protection.
Sensor para el control de la tasa de humedad relativa (HR) en el aire: permite el arranque automático o la conmutación de velocidad del producto combinado cuando el porcentaje de HR supera el 65%. Si la humedad no supera el umbral, el aparato asociado se enciende automáticamente unos segundos después de que se enciende la luz y continúa funcionando, después de que se apaga, durante un tiempo preestablecido, que se puede configurar durante la instalación de 3 a 20 minutos. Fuente de alimentación monofásica 220-240 V / 50-60 Hz. Instalación en pared. El color blanco. Carga máxima admisible: 3 A. Envolvente para instalación mural con protección IP20.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| SHR3A | SHR | KRISONA EEC &<br>KRISONA EEC DUO | **154,10** |

### RPS 24W



24W power supply.
Fuente de alimentación 24W.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| RPS24 | RPS24W | KRISONA EEC DUO | **94,90** |

### SPS36



36W power supply.
Fuente de alimentación 36W.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| SPS36 | SPS 36W | KRISONA EEC DUO | **106,50** |

### SPS-DIN 36W



Power supply with IN 36W rail.
Fuente de alimentación con carrilera IN 36W.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| SPSDIN36 | SPS-DIN 36W | KRISONA EEC DUO | **106,50** |

### FPC



Ferrite for wiring.
Ferrita para cableado.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| FPC300 | FPC | KRISONA EEC DUO | **2,80** |

### ECR 500



500W Electric coil.
Batería Eléctrica 500W.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BE500W | ECR 500 | HIDRIDA LP 200 EEC,<br>MOOTA LP 120 BP HR EEC | **413,90** |

### ECR 750



750W Electrical coil.
Batería Eléctrica 750W.

| Code<br>Código | Model<br>Modelo | Appliaction<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BE750W | ECR 750 | ORMEN 300 EEC &<br>HIDRIDA LP 350 EEC | **440,60** |

# ° SOLUCIONES EN VENTILACIÓN Y FILTRACIÓN PARA LA INDUSTRIA GANADERA.

# ° VENTILATION AND FILTRATION SOLUTIONS FOR THE LIVESTOCK INDUSTRY.



° MB



° HJBM PLUS



° HI



° HJB



° ENKELBOX PLUS EEC & BOX FILTER



## CMV | CONTROLLED MECHANICAL VENTILATION - SELF-REGULATING SYSTEMS - SELF-REGULATING AIR EXTRACTION
## VMC | VENTILACIÓN MECÁNICA CONTROLADA - SISTEMAS AUTORREGULABLES - EXTRACCIÓN DE AIRE AUTORREGULABLES

# BEA SC

SIMPLE FLOW EXTRACTION INLET FOR SELF-REGULATING SYSTEM

BOCA DE EXTRACCIÓN PARA SISTEMAS AUTORREGULABLES DE SIMPLE CAUDAL



**MANUFACTURING FEATURES**
- White polystyrene inlet for self-regulating systems with a fixed extraction rate of 150 m³/h and pressure up to 160 Pa.
- Easy mounting system in vertical wall, ceiling or plasterboard with associated accessories.

**APPLICATIONS**
- Self-regulating systems to install in bathrooms (sanitary rooms for collective housing), kitchens, tertiary sector.
- Rooms that require a constant flow modulation.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Bocas de poliestireno blanco para sistemas autorregulables con un caudal de extracción fijo de hasta 150 m³/h y presión hasta 160 Pa.
- Fácil sistema de montaje en pared vertical, techo o pladur junto con los accesorios asociados.

**APLICACIONES**
- Sistemas autorregulables para instalar en baños (salas sanitarias de viviendas colectivas), cocinas, sector terciario.
- Estancias que necesiten un caudal regulado.

| Code<br>Código | Model<br>Modelo | Air flow m³/h<br>Q máx. m³/h | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BEASC30 | BEA SC 30 | 30 | **22,20** |
| BEASC45 | BEA SC 45 | 45 | **22,20** |
| BEASC60 | BEA SC 60 | 60 | **22,20** |
| BEASC90 | BEA SC 90 | 90 | **22,20** |
| BEASC150 | BEA SC 150 | 150 | **32,90** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.

## ACCESSORIES | ACCESORIOS BEA SC



**MGJ**



**MGP**
3 garras
Sleeve 3 grasp



**MGP**
3 garras con reducción
Sleeve 3 grasp with reduction

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| MGJBEA | MGJ 125 (Sleeve with joint / Manguito con juntas) | **4,80** |
| MGP80BEA | MGP 125/80 (Sleeve 3 grasp with reduction / Manguito 3 garras con reducción) | **9,10** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.

## SELF-REGULATING FLOWRATE REGULATORS | REGULADORES DE CAUDAL AUTORREGULABLES

# CFR

EXTRACTION INLET FOR SIMPLE FLOW SELF-REGULATING SYSTEMS. FOR SANITARY ROOMS IN COLLECTIVE HOUSING

BOCA DE EXTRACCIÓN PARA SISTEMAS AUTORREGULABLES DE SIMPLE CAUDAL. PARA SALAS SANITARIAS EN VIVIENDA COLECTIVA



**MANUFACTURING FEATURES**
- Circular constant flow regulator with sleeve and self-regulating system composed of a gate and a regulating spring that allows to maintain a constant flow with pressure variations between 50 and 250 Pa.

**APPLICATIONS**
- For outlet or inlet ventilation and air conditioning.

**UNDER REQUEST**
- Models for high pressures of 150 to 600 Pa.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Regulador de caudal constante circular con manguito y sistema autorregulable compuesto de una compuerta y de un muelle regulador que permite mantener un caudal constante con variaciones de presión entre 50 y 250 Pa.

**APLICACIONES**
- Para extracción o impulsión en ventilación y aire acondicionado.

**BAJO DEMANDA**
- Modelos para presiones elevadas de 150 a 600 Pa.

| Code<br>Código | Model<br>Modelo | Ø<br>Ø | R.R.P €<br>P.V.P € |
|---|---|---|---|
| FX0048608 | CFR 50-100/60 m³/h D100 | 100 | **31,00** |
| FX0048773 | CFR 100-180/150 M3/H D160 | 160 | **56,30** |
| FX0048761 | CFR 180-300/300 m³/h D200 | 200 | **78,20** |
| FX0048772 | CFR 300-500/350 m³/h D200 | 200 | **78,20** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.

# CFRB

NEW NUEVO



FLOW REGULATOR

REGULADOR DE CAUDAL

| Code | Model | Weight kg | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso kg | P.V.P € |
| CFRB15 | CFRB 15 | 0,10 | **3,50** |
| CFRB30 | CFRB 30 | 0,10 | **3,50** |

## CMV – MOISTURE REGULATED SYSTEMS – MOISTURE-REGULATED AIR EXTRACTION | VMC - SISTEMAS HYGRORREGULABLES - EXTRACCIÓN DE AIRE HYGRORREGULABLES

# BEH HYGRO

EXTRACTION INLET FOR MOISTURE-REGULATING VENTILATION SYSTEM

BOCA DE EXTRACCIÓN PARA SISTEMA DE VENTILACIÓN HIGRORREGULABLE



**MANUFACTURING FEATURES**

- White polystyrene inlet consisting of an air flow regulator (which ensure the flowrate modulation), a humidity sensitive element that allows to regulate the flow of the room according to the relative humidity of the environment and a rigid gate protected by a grid that guarantees the maximum flowrate up to 75 m³/h with a pressure that varies between 80 and 160 Pa.
- Easy mounting system in vertical wall, ceiling or plasterboard with associated accessories.

**APPLICATIONS**

- Single-family, collective or tertiary sector housing moisture-regulable system.
- Single-family, collective or commercial buildings (tertiary sector).

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Bocas de poliestireno blanco formadas por un regulador de los flujos de aire (que aseguran la modulación de caudal), un elemento sensible a la humedad que permite regular el flujo de la sala según la humedad relativa ambiental y una compuerta rígida protegida por una rejilla que garantizan el caudal máximo hasta 75 m³/h con una presión que varía entre 80 y 160 Pa.
- Fácil sistema de montaje en pared vertical, techo o pladur junto con los accesorios asociados.

**APLICACIONES**

- En sistema higrorregulables de viviendas unifamiliares, colectivas o en el sector terciario.
- Viviendas unifamiliares, colectivas o edificios comerciales (sector terciario).

| Code | Model | Air flow m³/h | R.R.P € |
|---|---|---|---|
| Código | Modelo | Q máx. m³/h | P.V.P € |
| BEH0545 | BEH HYGRO 5/45 | 5/45 | **79,30** |
| BEH1040 | BEH HYGRO 10/40 | 10/40 | **79,30** |
| BEH1575 | BEH HYGRO 15/75 | 15/75 | **122,80** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.



## ACCESSORIES | ACCESORIOS BEH HYGRO



**MGJ**



**MGP**
3 garras
Sleeve 3 grasp



**MGP**
3 garras con reducción
Sleeve 3 grasp with reduction

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| MGJBEH | MGJ 125 H (Manguito con juntas / sleeve with joint) | **6,40** |
| MGP80BEH | MGP 80 125 H (Manguito 3 garras con reducción / sleeve 3 grasp with reduction) | **9,10** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.

## CMV – EXTRACTION AND/OR SUPPLY INLETS | VMC - BOCAS DE EXTRACCIÓN Y/O IMPULSIÓN

# BE



EXTRACTION OR SUPPLY INLET MADE OF PLASTIC FOR HOUSINGS OF EASY ASSEMBLY AND MAINTENANCE

### MANUFACTURING FEATURES

- Extraction or supply inlet for single-family houses of easy assembly and maintenance.
- Set consisting of a 80Ø or 125mm plastic inlet and a plasterboard sleeve with three fixing tabs. Supplied with a gasket to make easier the duct sealing and fastening.
- Mounting on wall or plasterboard thanks to the sleeve with fixing tabs.
- Combining the BE with a CFR, a self-regulating system is achieved.

### APPLICATIONS

- Single-family or collective housing.
- Installations with controlled mechanical systems of simple flow or double flow.

BOCA DE EXTRACCIÓN O IMPULSIÓN DE PLÁSTICO PARA VIVIENDAS DE FÁCIL MONTAJE Y MANTENIMIENTO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Boca de extracción o impulsión para viviendas unifamiliares de fácil montaje y mantenimiento.
- Conjunto formado por una boca de plástico de 80Ø o 125mm y un manguito de pladur con tres pestañas de fijación. Suministrado con una junta para facilitar la estanqueidad y la sujeción al conducto.
- Montaje en mural, pared o pladur gracias al manguito con pestañas de fijación.
- Combinando la BE con un CFR se consigue un sistema autorregulable.

### APLICACIONES

- Viviendas unifamiliares o colectivas.
- Instalaciones con sistemas de ventilación mecánica controlada de simple flujo o doble flujo.

| Code<br>Código | Model<br>Modelo | Ø mm<br>Ø mm | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BE125 | BE 125 | 125 | **11,70** |

# BEIRM



EXTRACTION OR SUPPLY INLET MANUALLY ADJUSTABLE RESISTANT TO HUMIDITY

### MANUFACTURING FEATURES

- Moisture resistant white plastic extraction or supply inlet. Used in tertiary buildings and homes with simple or double flow controlled mechanical ventilation systems.
- The flow of impulsion or extraction is adjusted by screwing the central disc inwards or outwards. A nut locks this disk in place.
- Maximum flow rate up to 250 m³/h. Pressure pressure up to 150 Pa.
- Easy installation by attaching directly to an adapter placed in advance on the duct or in the gypsum/ceiling panel adapter mounted on the ceiling.
- Sleeve with joint included (MGJ).
- Mounting on wall or plasterboard.
- By combining the BEIRM with a CFR, a self-regulating system is achieved.

### APPLICATIONS

- Tertiary premises.
- Single-family and collective housing.

BOCA DE EXTRACCIÓN O IMPULSIÓN REGULABLE MANUALMENTE RESISTENTES A LA HUMEDAD

### CARACTERÍSTICAS CONSTRUCTIVAS

- Bocas de extracción o impulsión de plástico blanco resistente a la humedad. Se utilizan en locales terciarios y viviendas con sistemas de ventilación mecánica controlada de simple flujo o doble flujo.
- El caudal de impulsión o extracción se ajusta atornillando el disco central hacia adentro o hacia afuera. Una tuerca bloquea este disco en su lugar.
- El caudal máximo hasta 250 m³/h. Presión presión hasta 150 Pa.
- Fácil instalación acoplándose directamente a un adaptador colocado de antemano en el conducto o en el adaptador de panel de yeso/pasaje montado en el techo.
- Incluye manguito con junta MGJ.
- Montaje en mural, pared o pladur.
- Combinando la BEIRM con un CFR se consigue un sistema autorregulable.

### APLICACIONES

- Locales terciarios.
- Viviendas unifamiliares y colectivas.

| Code<br>Código | Model<br>Modelo | Ø mm<br>Ø mm | Air flow m³/h<br>Q máx. m³/h | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| BEIRM80 | BEIRM 80 | 77 | 90 | **13,40** |
| BEIRM100 | BEIRM 100 | 98 | 120 | **14,70** |
| BEIRM125 | BEIRM 125 | 120 | 180 | **15,60** |
| BEIRM160 | BEIRM 160 | 155 | 220 | **21,80** |
| BEIRM200 | BEIRM 200 | 195 | 250 | **30,80** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.

## SLEEVE 3 GRASP | MANGUITO 3 GARRAS BEIRM

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| MGP3100 | MGP3 100 | **9,10** |
| MGP3160 | MGP3 160 | **13,50** |

º Last units available, while supplies last.
º Últimas unidades, hasta agotar existencias.

# COMPRI-CV



## ALUMINUM FLEXIBLE TUBE M1 FIRE RESISTANCE CLASSIFICATION

### MANUFACTURING FEATURES

- Flexible duct made with 3 layers of aluminium and 2 layers of polyester film.
- Reinforced inside with spiral steel wire.
- Maximum working pressure: 3000 Pa.
- Working temperature: -30 to 140ºC.
- Maximum speed: 30m/s.

### APPLICATIONS

- It is supplied in 10m sections for installations of air conditioning, ventilation and VMC systems.

## CONDUCTO FLEXIBLE DE ALUMINIO CLASIFICACIÓN M1 DE RESISTENCIA AL FUEGO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible fabricado con 3 capas de aluminio y 2 capas de film de poliéster.
- Reforzado en su interior con alambre de acero en espiral.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -30 a 140ºC.
- Velocidad máxima: 30m/s.

### APLICACIONES

- Se suministra en tramos de 10m para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P € |
|---|---|---|---|
| Código | Modelo | Ø mm | P.V.P € |
| 10000552 | COMPRI M1 Ø82 | 82 | **29,50** |
| 10000553 | COMPRI M1 Ø102 | 102 | **35,00** |
| 10000554 | COMPRI M1 Ø127 | 127 | **43,80** |
| 10000555 | COMPRI M1 Ø152 | 152 | **54,90** |
| 10000556 | COMPRI M1 Ø160 | 160 | **54,90** |
| 10000558 | COMPRI M1 Ø203 | 203 | **70,50** |
| 10000560 | COMPRI M1 Ø254 | 254 | **92,70** |
| 10000561 | COMPRI M1 Ø305 | 305 | **111,60** |
| 10000562 | COMPRI M1 Ø315 | 315 | **120,30** |
| 10000563 | COMPRI M1 Ø356 | 356 | **135,50** |
| 10000564 | COMPRI M1 Ø406 | 406 | **158,60** |
| 10000565 | COMPRI M1 Ø457 | 457 | **193,60** |
| 10000566 | COMPRI M1 Ø508 | 508 | **201,90** |

# COMBI-CV



## ALUMINUM AND PVC FLEXIBLE TUBE IN BLACK COLOUR

### MANUFACTURING FEATURES

- It consists of an aluminium layer, two layers of polyester and 1 outer layer of black PVC.
- Maximum working pressure: 3000 Pa.
- Working temperature: -20 to 110ºC.
- Maximum speed: 20m/s.

### APPLICATIONS

- In sections of 10 meters for installations of air conditioning, ventilation and VMC systems.

## CONDUCTO FLEXIBLE DE ALUMINIO Y PVC DE COLOR NEGRO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Se compone de una capa de aluminio, dos capas de poliéster y 1 capa exterior de PVC de color negro.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -20 a 110ºC.
- Velocidad máxima: 20m/s.

### APLICACIONES

- Se suministra en tramos de 10 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P € |
|---|---|---|---|
| Código | Modelo | Ø mm | P.V.P € |
| 10000569 | COMBI Ø102 | 102 | **62,20** |
| 10000570 | COMBI Ø127 | 127 | **63,20** |
| 10000571 | COMBI Ø152 | 152 | **75,60** |
| 10000572 | COMBI Ø160 | 160 | **83,00** |
| 10000574 | COMBI Ø203 | 203 | **114,30** |
| 10000576 | COMBI Ø254 | 254 | **141,50** |
| 10000577 | COMBI Ø354 | 305 | **202,80** |
| 10000578 | COMBI Ø315 | 315 | **180,30** |
| 10000579 | COMBI Ø356 | 356 | **202,80** |
| 10000580 | COMBI Ø406 | 406 | **232,80** |

# THERMI-CV



REINFORCED FLEXIBLE TUBE WITH THERMAL INSULATION OF ALUMINIUM

### MANUFACTURING FEATURES

- Thermally insulated flexible duct manufactured with inner tube 3 layers of aluminium and 2 layers of polyester.
- Reinforced internally with spiral steel wire. 25mm mineral wool insulation, exterior coating with aluminium and polyester multilayer pipe that works as an optimal vapor barrier and prevents condensation.
- Classification of fire resistance: M1.
- Maximum working pressure: 3000 Pa.
- Working temperature: -30 to 140ºC.
- Maximum speed: 30m/s.

### APPLICATIONS

- In sections of 10 meters for installations of air conditioning, ventilation and VMC systems.

CONDUCTO FLEXIBLE CON AISLAMIENTO TÉRMICO DE ALUMINIO E INTERIOR REFORZADO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible aislado térmicamente fabricado con tubo interior 3 capas de aluminio y 2 capas de poliéster.
- Reforzado interiormente con alambre de acero en espiral. Aislamiento de 25mm de lana mineral, recubrimiento exterior con tubo multicapa de aluminio y poliéster que funciona como óptima barrera de vapor y evita la condensación.
- Clasificación de resistencia al fuego: M1.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -30 a 140ºC.
- Velocidad máxima: 30m/s.

### APLICACIONES

- Se suministra en tramos de 10 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code<br>Código | Model<br>Modelo | Ø mm<br>Ø mm | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 10000601 | THERMI Ø102 | 102 | **103,30** |
| 10000602 | THERMI Ø127 | 127 | **117,60** |
| 10000603 | THERMI Ø152 | 152 | **130,00** |
| 10000604 | THERMI Ø160 | 160 | **140,60** |
| 10000606 | THERMI Ø203 | 203 | **162,70** |
| 10000608 | THERMI Ø254 | 254 | **200,10** |
| 10000610 | THERMI Ø305 | 305 | **236,50** |
| 10000611 | THERMI Ø315 | 315 | **242,00** |
| 10000612 | THERMI Ø356 | 356 | **278,00** |
| 10000613 | THERMI Ø406 | 406 | **344,80** |
| 10000614 | THERMI Ø457 | 457 | **355,40** |
| 10000615 | THERMI Ø508 | 508 | **407,10** |

**Casals tiene soluciones para la ventilación, recuperación y renovación de aire en hoteles**

**Casals has solutions for ventilation, energy recovery and air renewal in hotels**



# MFVC M1



## PVC FLEXIBLE TUBE M1 CLASSIFICATION FIRE RESISTANCE

### MANUFACTURING FEATURES

- Flexible double layer 70 micron PVC duct with axial steel wire reinforcement covered with PVC.
- Maximum working pressure: 3000 Pa.
- Working temperature: -30 to 80ºC.
- Maximum speed: 30m/s.

### APPLICATIONS

- Singl • Suitable for air conditioning systems and low and medium pressure ventilation.
- In sections of 6 meters for installation of air conditioning, ventilation and VMC systems.

## CONDUCTO FLEXIBLE DE PVC CLASIFICACIÓN M1 DE RESISTENCIA AL FUEGO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible de doble capa de 70 micras de PVC con armadura helicoidal de alambre de acero recubierta de PVC.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -30 a 80ºC.
- Velocidad máxima: 30m/s.

### APLICACIONES

- Indicado para sistemas de aire acondicionado y ventilación de baja y media presión.
- Se suministra en tramos de 6 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code<br>Código | Model<br>Modelo | Ø mm<br>Ø mm | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 10009052 | MFVC M1 Ø80 | 80 | **32,10** |
| 10009053 | MFVC M1 Ø100 | 100 | **38,40** |
| 10009054 | MFVC M1 Ø125 | 125 | **48,10** |
| 10009055 | MFVC M1 Ø160 | 160 | **59,20** |
| 10009057 | MFVC M1 Ø200 | 200 | **75,50** |
| 10009058 | MFVC M1 Ø250 | 250 | **96,50** |
| 10009059 | MFVC M1 Ø315 | 315 | **128,10** |
| 10009060 | MFVC M1 Ø355 | 355 | **148,80** |
| 10009061 | MFVC M1 Ø400 | 400 | **160,70** |
| 10009062 | MFVC M1 Ø450 | 450 | **189,50** |
| 10009063 | MFVC M1 Ø500 | 500 | **227,10** |




Folleto

Brochure

**Recuperadores terciarios, extractores de baño, cocinas, parkings, presurización de escaleras y cortinas de aire.**
**Heat recovery units, bathroom extractors, kitchens, parkings, stair pressurization and air curtains.**

# º Air purifiers

# º Purificadores de aire



REINTAIR®



REINTAIR® WARRIOR



REINTDECK



REINTDECK WARRIOR



REINTDECK EASY



REINTDECK EASY WARRIOR

# REINTAIR®




60 Hz +info 110V

50 60 Hz

EEC PM motors

## PLUG & PLAY PURIFIERS TO TURN ANY INDOOR SPACE INTO A VIRUSFREE ENVIRONMENT

• REINTAIR® by Casals air purifiers are plug & play sets (no installation required) to convert any interior space into an environment free of contaminating particles and thus leave a much healthier air.
• It is designed to reduce the viral load of the rooms given the constant air renewals that it carries out.

### MANUFACTURING FEATURES

• High efficiency purification unit built in soundproof steel structure, galvanized for corrosion resistance.
• Available in two different sizes:
1. REINTAIR® S EC up to 300m³/h for indoor spaces (2,5m high) of up to 45m².
2. REINTAIR® L EC up to 600m³/h for indoor spaces (2,5m high) of up to 90m².

CHASIS:
• Soundproof 30mm extruded aluminum profile, nylon corners and pre lacquered steel sandwich panels, RAL 9006, class M0, with 25mm internal rockwool insulation class A1 (non combustible) and 90Kg/m³ density. Panels come with quick release fastening system for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel repositioning.
• Filters are located in the perforated side panels, with handles and fastening system. This ease of access optimizes maintenance and filter replacement procedures. Filter replacement and manipulation of the REINTAIR® is recommended with the appropriate PPE's.
• REINTAIR® purifiers are equipped with 4 wheels with brakes on the base for ease of mobility throughout the interior spaces.

FAN:
• Equipped with high efficiency single inlet - backward impeller with selfcleaning system, made of polyamide, statically and dynamically balanced at the factory.

FILTERS:
• Dual filtering stage at each end of the REINTAIR® comprised of 2x ISO COARSE≥60% (G4) + 2x HEPA H14.
• 4 filters per purification unit.
• The ISO COARSE≥60% (G4) pre-filters increase the life of the absolute filters HEPA H14.

MOTOR:
• Low consumption EC (electronically commutated) Technology exterior rotor motor. IP-44 protection and class B insulation. Standard voltage 230V 50Hz/60Hz.

CONTROL PANEL:
• All REINTAIR® air purifiers are equipped with a master control panel located on one side of the structure.
• This control panel allows for control of the following parameters:
1. On/Off of the air Purifier.
2. Automatic function – Autonomous.
3. Flow adjustment, 0 being the lowest and 100 the highest.
4. Schedule control for night mode optimization and thus favouring low energy consumption when the interior spaces are empty.
5. Clogged filter alarm and maintenance indication.

### APPLICATIONS

• Designed for all kind of indoor spaces where high-quality air purification is required since REINTAIR® purifiers are equipped with high-efficiency HEPA H14 filters.
• Designed to be easily moved in indoor spaces, which makes them the best solution for:
• Ventilation of workstations.
• The health sector (waiting rooms, corridors, rooms, field hospitals, common areas, clinics, pharmacies, etc.).
• The tertiary and industrial sector (offices, hotels, universities, schools, public institutions, warehouses, living rooms in restaurants).
• The residential sector (single-family flats and houses).

## PURIFICADORES PORTÁTILES PARA CONVERTIR CUALQUIER ESPACIO INTERIOR EN UN AMBIENTE LIBRE DE VIRUS

• Los purificadores de aire REINTAIR® by Casals son conjuntos portátiles (no requieren instalación) para convertir cualquier espacio interior en un ambiente libre de partículas contaminantes y dejar así un aire mucho más saludable.
• Está diseñado para reducir la carga viral de las estancias dadas las renovaciones de aire constantes que lleva a cabo.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Unidad de purificación de aire de alta eficiencia en estructura soundproof (insonorizada) de acero galvanizado resistente a la corrosión.
• Disponible en dos tamaños constructivos:
1. REINTAIR® S EC hasta 300m³/h para espacios interiores de hasta 45m².
2. REINTAIR® L EC hasta 600m³/h para espacios interiores de hasta 90m².

CHASIS:
• Estructura soundproof de perfil de aluminio de 30mm, esquinas de nylon y panel sándwich de acero prelacado RAL 9006, clase M0, con aislamiento interno de lana de roca de 25mm de espesor clase A1 (no combustible) y 90kg/m³ de densidad. Los paneles disponen de fastening system (sistema de fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambios de paneles.
• Los filtros se ubican en los paneles laterales perforados, con tiradores y fastening system. Su fácil acceso optimiza el mantenimiento y rapidez del cambio de filtros. Se recomienda realizar el cambio de filtros y manipulación de los REINTAIR® con EPIs adecuados.
• Los equipos REINTAIR® disponen de 4 ruedas equipadas con freno en la base para fácil movilidad de los equipos en los espacios interiores.

VENTILADOR:
• Equipado con turbina de poliamida de simple aspiración de álabes hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante. Equilibrada estática y dinámicamente en origen.

FILTROS:
• Doble etapa de filtración en cada extremo del REINTAIR® compuesto por 2x ISO COARSE≥60% (G4) + 2x HEPA H14.
• 4 filtros por unidad de purificación.
• Los prefiltros ISO COARSE≥60% (G4) aumentan la vida útil de los filtros absolutos HEPA H14.

MOTOR:
• Motor bajo consumo con tecnología EC (conmutación electrónica) de rotor exterior. Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

PANEL DE CONTROL:
Todos los equipos REINTAIR® van equipados con un panel de control maestro del equipo ubicado en el lateral de la estructura.
• Este panel de control permite controlar los siguientes parámetros:
1. On/Off del purificador de aire.
2. Funcionamiento automático – Autónomo.
3. Caudal ajustable siendo 0 el mínimo y 100 el máximo.
4. Control horario para optimización del modo noche y favorecer así el bajo consumo energético cuando los espacios interiores estén vacíos.
5. Alarma de colmatación de filtros e indicación de mantenimiento.

### APLICACIONES

• Diseñados para todo tipo de espacios interiores como:
En definitiva, para cualquier espacio público donde se requiera una purificación del aire de alta calidad dado que los purificadores REINTAIR® están equipados con filtros de alta eficiencia HEPA H14.
• Ideados para ser movidos fácilmente en espacios interiores, lo que los convierte en la mejor solución para:
• La ventilación de puestos de trabajo.
• El sector sanitario (salas de espera, pasillos, habitaciones, hospitales de campaña, zonas comunes, clínicas, farmacias...).
• El sector terciario e industrial (oficinas, hoteles, universidades, colegios, instituciones públicas, almacenes, salas de estar en restaurantes).
• El sector residencial (pisos unifamiliares y casas).



CV.28.02.25

## ACCESSORIES | ACCESORIOS



**CFF** pg.402
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**HEPAF** pg.402
Absolute filter for terminal filtration.
Filtro absoluto para filtración terminal.

| Code | Model | Rated I (A) 230V | Rated Power kW | Max. Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | I nominal (A) 230V | Potencia nominal kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| REIN2-600EC | REINTAIR® L 600 EC | 1,28 | 0,17 | 600 | 44 | 43 | **2.436,20** |
| REIN2-300EC | REINTAIR® S 300 EC | 1,08 | 0,14 | 300 | 41 | 30 | **1.948,50** |

# ºParkGuard

PARKING SECURITY | SEGURIDAD EN PARKINGS

50 Hz 60 Hz

- º **Control** the concentration of contaminants (such as smoke and CO).
- º **Control** the operation of the fans according to the values.
- º **Test** the system to ensure its correct operation.
- º **Help** maintain the system.
- º **Modify** some work values.

- º **Controlar** la concentración de contaminantes (como humo y CO).
- º **Controlar** el funcionamiento de los ventiladores según los valores.
- º **Testear** el sistema para asegurar su correcto funcionamiento.
- º **Ayudar** al mantenimiento del sistema.
- º **Modificar** valores de trabajo.








**Cuadro de control para ventilación de parkings subterráneos**
**Control panel for ventilation of underground car parks**

# REINTAIR® WARRIOR




60 Hz +info 110V

50 & 60 Hz

EEC PM motors

## PLUG & PLAY PURIFIERS TO TURN ANY INDOOR SPACE INTO A VIRUSFREE ENVIRONMENT

• REINTAIR® WARRIOR by Casals air purifiers are plug & play sets (no installation required) to convert any interior space into an environment free of contaminating particles and thus leave a much healthier air.
• It is designed to reduce the viral load of the rooms.
• All REINTAIR® WARRIOR units are fitted with the PHOTOCATALYSIS-UVC TOWER by Casals, which consists of a UV-C light lamp and a photocatalysis system that destroys the particles previously captured by the filters.

### MANUFACTURING FEATURES

• High efficiency purification unit built in soundproof steel structure, galvanized for corrosion resistance.
• Available in EC in two different sizes:
1. REINTAIR® WARRIOR S EC up to 300m³/h for indoor spaces (2,5m high) of up to 45m².
2. REINTAIR® WARRIOR L EC up to 600m³/h for indoor spaces (2,5m high) of up to 90m².

CHASIS:
• Soundproof 30mm extruded aluminum profile, nylon corners and prelacquered steel sandwich panels, RAL 9006, class M0, with 25mm internal rockwool insulation class A1 (non combustible) and 90Kg/m³ density. Panels come with quick release fastening system for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel repositioning.
• Filters are located in the perforated side panels, with handles and fastening system. This ease of access optimizes maintenance and filter replacement procedures. Filter replacement and manipulation of the REINTAIR® WARRIOR is recommended with the appropriate PPE's.
• REINTAIR® WARRIOR purifiers are equipped with 4 wheels with brakes on the base for ease of mobility throughout the interior spaces.

FAN:
• Equipped with high efficiency single inlet - backward impeller with self-cleaning system, made of polyamide, statically and dynamically balanced at the factory.

FILTERS:
• Dual filtering stage at each end of the REINTAIR® comprised of 2x ISO COARSE≥60% (G4) + 2x HEPA H14.
• 4 filters per purification unit.
• The ISO COARSE≥60% (G4) pre-filters increase the life of the absolute filters HEPA H14.

MOTOR:
Low consumption EC (electronically commutated) Technology exterior rotor motor. IP-44 protection and class B insulation. Standard voltage 230V 50Hz/60Hz.

CONTROL PANEL:
• All REINTAIR® WARRIOR air purifiers are equipped with a master control panel located on one side of the structure.
• This control panel allows for control of the following parameters:
1. On/Off of the air Purifier.
2. Automatic function – Autonomous.
3. Flow adjustment, 0 being the lowest and 100 the highest.
4. Schedule control for night mode optimization and thus favouring low energy consumption when the interior spaces are empty.
5. Clogged filter alarm and maintenance indication.
6. Warrior module maintenance alarm.

### APPLICATIONS

• Designed for all kind of indoor spaces where high-quality air purification is required since REINTAIR® WARRIOR purifiers are equipped with high-efficiency HEPA H14 filters.
• Designed to be easily moved in indoor spaces, which makes them the best solution for:
• Ventilation of workstations.

## PURIFICADORES PORTÁTILES PARA CONVERTIR CUALQUIER ESPACIO INTERIOR EN UN AMBIENTE LIBRE DE VIRUS

• Los purificadores de aire REINTAIR® WARRIOR by Casals son conjuntos portátiles (no requieren instalación) para convertir cualquier espacio interior en un ambiente libre de partículas contaminantes y dejar así un aire mucho más saludable.
• Está diseñado para reducir la carga viral de las estancias.
• Todos los equipos REINTAIR® WARRIOR llevan instalado la PHOTOCATALYSIS-UVC TOWER by Casals, compuesta por una lámpara de luz ultravioleta UV-C y un sistema de fotocatálisis que permite destruir las partículas captadas previamente por los filtros.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Unidad de purificación de aire de alta eficiencia en estructura soundproof (insonorizada) de acero galvanizado resistente a la corrosión.
• Disponible en motor EC en dos tamaños constructivos:
1. REINTAIR® WARRIOR S EC hasta 300m³/h para espacios interiores de hasta 45m².
2. REINTAIR® WARRIOR L EC hasta 600m³/h para espacios interiores de hasta 90m².

CHASIS:
• Estructura soundproof de perfil de aluminio de 30mm, esquinas de nylon y panel sándwich de acero prelacado RAL 9006, clase M0, con aislamiento interno de lana de roca de 25mm de espesor clase A1 (no combustible) y 90kg/m³ de densidad. Los paneles disponen de fastening system (sistema de fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambios de paneles.
• Los filtros se ubican en los paneles laterales perforados, con tiradores y fastening system. Su fácil acceso optimiza el mantenimiento y rapidez del cambio de filtros. Se recomienda realizar el cambio de filtros y manipulación de los REINTAIR® WARRIOR con EPIs adecuados.
• Los equipos REINTAIR® WARRIOR disponen de 4 ruedas equipadas con freno en la base para fácil movilidad de los equipos en los espacios interiores.

VENTILADOR:
• Equipado con turbina de poliamida de simple aspiración de álabes hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante. Equilibrada estática y dinámicamente en origen.

FILTROS:
• Doble etapa de filtración en cada extremo del REINTAIR® WARRIOR compuesto por 2x ISO COARSE≥60% (G4) + 2x HEPA H14.
• 4 filtros por unidad de purificación.
• Los prefiltros ISO COARSE≥60% (G4) aumentan la vida útil de los filtros absolutos HEPA H14.

MOTOR:
Motor bajo consumo con tecnología EC (conmutación electrónica) de rotor exterior. Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

PANEL DE CONTROL:
Todos los equipos REINTAIR® WARRIOR van equipados con un panel de control maestro del equipo ubicado en el lateral de la estructura.
• Este panel de control permite controlar los siguientes parámetros:
1. On/Off del purificador de aire.
2. Funcionamiento automático – Autónomo.
3. Caudal ajustable siendo 0 el mínimo y 100 el máximo.
4. Control horario para optimización del modo noche y favorecer así el bajo consumo energético cuando los espacios interiores estén vacíos.
5. Alarma de colmatación de filtros e indicación de mantenimiento.
6. Alarma de mantenimiento módulo Warrior.

### APLICACIONES

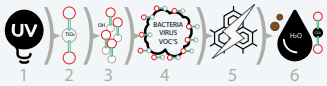
Diseñados para todo tipo de espacios interiores como:
En definitiva, para cualquier espacio público donde se requiera una purificación del aire de alta calidad dado que los purificadores REINTAIR® WARRIOR están equipados con filtros de alta eficiencia HEPA H14.

VERSION /
VERSIONES
**WARRIOR**



• PHOTOCATALYSIS-UVC TOWER by Casals carries out a photocatalytic oxidation process thatcombines UVC irradiation with a substance (catalyst) titanium dioxide (TiO2) which results in a reaction that changes harmful contaminants (bacteria, viruses and volatile organic compounds or VOC's) into H2O, CO2 and detritus.
The air purification process of using photocatalytic oxidation works by using an existing air system that pulls air through the PURIFIERS which passes through the professionally installed ultraviolet light/ titanium dioxide chamber.
As the malignant contaminant-filled ambient air circulates through these chamber the microbes are "attacked" by free hydroxyl radicals and superoxide ions (created by UV light and titanium dioxide) breaking their cellular structure apart and destroying both the intracellular mass and DNA/HNA chromosomes.
The result is harmless water molecules, carbon dioxide and detritus.

• PHOTOCATALYSIS-UVC TOWER by Casals lleva a cabo un proceso de oxidación fotocatalítica que combina la radiación UV-C con una sustancia (catalizador) dióxido de titanio (TiO2) que produce una reacción que transforma los contaminantes dañinos (bacterias, virus y compuestos orgánicos volátiles o VOC's) en H2O, CO2 y detritos.
El proceso de purificación de aire mediante el uso de oxidación fotocatalítica funciona mediante el uso de un sistema de aire existente que extrae el aire a través del PURIFICADOR que, a su vez, pasa a través de la cámara de luz ultravioleta/dióxido de titanio instalada profesionalmente. A medida que el aire ambiente lleno de contaminantes dañinos circula a través de esta cámara, los microbios son "atacados" por radicales hidróxilos libres e iones de superóxido (creados por la luz ultravioleta y el dióxido de titanio) que rompen su estructura celular y destruyen tanto la masa intracelular como el cromosoma ADN/HNA.
El resultado son moléculas de agua inofensivas, dióxido de carbono y detritos.




| | |
|---|---|
| 1. | Ultraviolet light.<br>Luz ultravioleta. |
| 2. | Titanium dioxide catalyst.<br>Catalizador de dióxido de titanio. |
| 3. | Created free hydroxyl radicals and superoxide ions.<br>Radicales hidróxilos libres e iones de superóxido creados. |
| 4. | Attack of harmful pollutants.<br>Ataque de los contaminantes dañinos. |
| 5. | Destruction of the cell structure.<br>Destrucción de la estructura celular. |
| 6. | Water molecules carbon dioxide and detritus.<br>Moléculas de agua, dióxido de carbono y detritos. |

• The health sector (waiting rooms, corridors, rooms, field hospitals, common areas, clinics, pharmacies, etc.).
• The tertiary and industrial sector (offices, hotels, universities, schools, public institutions, warehouses, living rooms in restaurants).
• The residential sector (single-family flats and houses).

• Ideados para ser movidos fácilmente en espacios interiores, lo que los convierte en la mejor solución para:
• La ventilación de puestos de trabajo.
• El sector sanitario (salas de espera, pasillos, habitaciones, hospitales de campaña, zonas comunes, clínicas, farmacias...).
• El sector terciario e industrial (oficinas, hoteles, universidades, colegios, instituciones públicas, almacenes, salas de estar en res-taurantes).
• El sector residencial (pisos unifamiliares y casas).

## ACCESSORIES | ACCESORIOS



**CFF** pg.402

Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**HEPAF** pg.402

Absolute filter for terminal filtration.
Filtro absoluto para filtración terminal.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated I (A) 230V | Rat. Pow. kW | Max. Airflow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | I nominal (A) 230V | Pot. nom. kW | Q máx.m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| REIN2-600ECW | REINTAIR® WARRIOR L 600 EC | 1,28 | 0,17 | 600 | 44 | 43 | **3.611,80** |
| REIN2-300ECW | REINTAIR® WARRIOR S 300 EC | 1,08 | 0,14 | 300 | 41 | 30 | **3.124,20** |

## FILTERS | FILTROS
## FOR REINTAIR® & REINTAIR® WARRIOR
## PARA REINTAIR® & REINTAIR® WARRIOR



### HEPAF

Absolute filter for terminal filtration/
Filtro absoluto para filtración terminal

### HEPA 14 (H14)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTH14005 | 305x305x66-69 | REINTAIR® S 300 & WARRIOR | 150 | 120 | **223,30** |
| FILTH14006 | 305x610x66-69 | REINTAIR® L 600 & REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 300 | 120 | **281,20** |



### CFF

Filter cells with FiberPlast frame/
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04003 | 287x287x20-24 | REINTAIR® S 300 & WARRIOR | 700 | 57 | **33,20** |
| FILTG04004 | 592x287x20-24 | REINTAIR® L 600 & REINTDECK 1800 EC & WARRIOR | 1300 | 57 | **36,30** |

ORMEN EC




Brochure
Folleto

# REINTDECK



## CENTRALIZED AND DECENTRALIZED, INTEGRABLE AND COMBINABLE FALSE CEILING PURIFIERS

• REINTDECK by Casals air purifiers convert any indoor space into an environment free of contaminating particles and thus leave a much healthier air.
• It is designed to reduce the viral load of the rooms given the constant air renewals that it carries out.
• This version allows it to be connected to the ducts and to conduct the purified air through up to 4 interchangeable ways.

### MANUFACTURING FEATURES

• High efficiency purification unit built in soundproof steel structure, galvanized for corrosion resistance.
• Available with electric motor (EC):
1. REINTDECK 1800/EC up to 1800m³/h for indoor spaces up to 182 m2 with 3 renovations/hour, installation height 3m. Centralized model to be ducted in false ceiling, Armstrong type false ceiling plate replacement.

CHASIS:
• Soundproof 30mm extruded aluminum profile, nylon corners and pre lacquered steel sandwich panels, RAL 9006, class M0, with 25mm internal rockwool insulation class A1 (non combustible) and 90Kg/m³ density. Panels come with quick release fastening system for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel repositioning.
• Filters are located in the perforated side panels, with handles and fastening system. This ease of access optimizes maintenance and filter replacement procedures. Filter replacement and manipulation of the REINTDECK is recommended with the appropriate PPE's.

FAN:
• Equipped with high efficiency single inlet - backward impeller with self-cleaning system, made of polyamide, statically and dynamically balanced at the factory.

FILTERS:
REINTDECK 1800 EC FILTERS:
• Triple filtering stage at each panel, comprised of 5x ISO COARSE≥60% (G4) + 5 ISO ePM1≥50% (F7) + 5 HEPA H14.
• 15 filters per purification unit.
• The ISO COARSE>60% and ISO ePM1≥50% (F7) pre-filters increase the life of the absolute filters HEPA H14.

MOTORS:
• Low consumption EC (electronically commutated) Technology exterior rotor motor. IP-44 protection and class Binsulation. Standard voltage 230V 50Hz/60Hz.

CONTROL PANEL:
• All REINTDECK air purifiers are equipped with a master control panel located on one side of the structure.
• This control panel allows for control of the following parameters:
1. On/Off of the air Purifier.
2. Automatic function – Autonomous.
3. Flow adjustment, 0 being the lowest and 100 the highest.
4. Schedule control for night mode optimization and thus favouring low energy consumption when the interior spaces are empty.
5. Clogged filter alarm and maintenance indication.
6. Modbus RS-485 included.

### APPLICATIONS

• Designed for all kind of indoor spaces such as:
• Supermarkets
• Pavilions
• Gyms
• Restaurants
• Health sector
• Offices
• Hotels
• Homes
• Colleges and universities

## PURIFICADORES PARA FALSO TECHO CENTRALIZADOS Y DESCENTRALIZADOS, INTEGRABLES Y COMBINABLES

• Los purificadores de aire REINTDECK by Casals son equipos capaces de convertir cualquier espacio interior en un ambiente libre de partículas contaminantes y dejar así un aire mucho más saludable.
• Está diseñado para reducir la carga viral de las estancias dadas las constantes renovaciones de aire que lleva a cabo.
• Esta versión permite conectarla a los conductos y conducir el aire purificado por hasta 4 vías que se pueden intercambiar.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Unidades de purificación de aire de alta eficiencia en estructura soundproof (insonorizada) de acero galvanizado resistente a la corrosión.
• Disponible con motor (EC):
1. REINTDECK 1800 /EC hasta 1800m³/h para espacios interiores de hasta 182 m2 con 3 renovaciones/hora, altura de instalación 3m. Modelo centralizado por conductos en falso techo, aspiración por substitución de placa falso techo tipo Armstrong.

CHASIS:
• Estructura soundproof de perfil de aluminio de 30mm, esquinas de nylon y panel sándwich de acero lacado RAL 9006, clase M0, con aislamiento interno de lana de roca de 25mm de espesor clase A1 (no combustible) y 90kg/m³ de densidad. Los paneles disponen de fastening system (sistema de fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambios de paneles.
• Los filtros se ubican en los paneles laterales y inferiores perforados, con tiradores y fastening system. Su fácil acceso optimiza el mantenimiento y rapidez del cambio de filtros. Se recomienda realizar el cambio de filtros y manipulación de los REINTDECK con EPIs adecuados.

VENTILADOR:
• Equipado con turbina de poliamida de simple aspiración de álabes hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante. Equilibrada estática y dinámicamente en origen.

FILTROS:
FILTROS REINTDECK 1800 EC:
• Triple etapa de filtración en cada panel, compuesto por 5 x ISO COARSE≥60% (G4) + 5 filtros ISO ePM1≥50% (F7) + 5 HEPA H-14.
• 15 filtros por unidad de purificación.
• Los prefiltros ISO COARSE≥60% (G4) e ISO ePM1≥50% (F7) aumentan la vida útil de los filtros absolutos HEPA H14.

MOTORES:
• Motores de bajo consumo con tecnología EC (conmutación electrónica) de rotor exterior. Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

PANEL DE CONTROL:
• Todos los equipos REINTDECK van equipados con un panel de control maestro.
• Este panel de control permite controlar los siguientes parámetros:
1. On/Off del purificador de aire.
2. Funcionamiento automático – Autónomo.
3. Caudal ajustable siendo 0 el mínimo y 100 el máximo.
4. Control horario para optimización del modo noche y favorecer así el bajo consumo energético cuando los espacios interiores estén vacíos.
5. Alarma de colmatación de filtros e indicación de mantenimiento.
6. Incorpora Modbus RS-485.

### APLICACIONES

• Diseñados para todo tipo de espacios interiores como:
• Supermercados
• Pabellones
• Gimnasios

• In short, for any public space where high-quality air purification is required since REINTDECK purifiers are equipped with high-efficiency HEPA H14 filters.
• Designed to be installed in indoor spaces in false ceilings, which makes them the best solution for:
• Ventilation of workstations.
• The health sector (waiting rooms, corridors, rooms, field hospitals, common areas, clinics, pharmacies, etc.).
• The tertiary and industrial sector (gyms, pavilions, supermarkets, offices, hotels, universities, schools, public institutions, warehouses, living rooms in restaurants, shops, etc.).

• Restaurantes
• Sector sanitario
• Oficinas
• Hoteles
• Hogares
• Colegios y universidades
• En definitiva, para cualquier espacio público donde se requiera una purificación del aire de alta calidad dado que los purificadores REINTDECK están equipados con filtros absolutos de alta eficiencia HEPA H14 (EN 1822 99,995%).
• Ideados para ser instalados en espacios interiores en falso techo, lo que los convierte en la mejor solución para:
• La purificación en los puestos de trabajo.
• El sector sanitario (salas de espera, pasillos, habitaciones, hospitales de campaña, zonas comunes, clínicas, farmacias...).
• El sector terciario e industrial (gimnasios, pabellones, supermercados, oficinas, hoteles, universidades, colegios, instituciones públicas, almacenes, salas de estar en res- taurantes, tiendas, etc.).

## ACCESSORIES | ACCESORIOS



**CFF** pg.407
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**HEPAF** pg.407
Absolute filter for terminal filtration.
Filtro absoluto para filtración terminal.



**CHEF** pg.407
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power W | Max. Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Pot. nom. W | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| REINT1800EC | REINTDECK 1800 EC | 1870 | 2,08 | 460 | 1800 | 45 | 96 | **6.461,80** |

# REINTDECK WARRIOR




EEC PM motors

50 & 60 Hz

## CENTRALIZED AND DECENTRALIZED, INTEGRABLE AND COMBINABLE FALSE CEILING PURIFIERS

• REINTDECK WARRIOR by Casals air purifiers convert any indoor space into an environment free of contaminating particles and thus leave a much healthier air.
• It is designed to reduce the viral load of the rooms.
• All REINTDECK WARRIOR equipments have installed the PHOTOCATALYSIS-UVC TOWER by Casals, composed by a UV-C light lamp and a photocatalysis system that allows destroying the particles previously captured by the filters.
• This version allows it to be connected to the ducts and to conduct the purified air through up to 4 interchangeable ways.

### MANUFACTURING FEATURES

• High efficiency purification unit built in soundproof steel structure, galvanized for corrosion resistance.
• Available with electric motor (EC):
1. REINTDECK WARRIOR 1800 /EC up to 1800m³/h for indoor spaces up to 182 m2 with 3 renovations/hour, installation height 3m. Centralized model to be ducted in false ceiling, Armstrong type false ceiling plate replacement.

CHASIS:
• Soundproof 30mm extruded aluminum profile, nylon corners and pre lacquered steel sandwich panels, RAL 9006, class M0, with 25mm internal rockwool insulation class A1 (non combustible) and 90Kg/m³ density. Panels come with quick release fastening system for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel repositioning.
• Filters are located in the perforated side panels, with handles and fastening system. This ease of access optimizes maintenance and filter replacement procedures. Filter replacement and manipulation of the REINTDECK WARRIOR is recommended with the appropriate PPE's.

FAN:
• Equipped with high efficiency single inlet - backward impeller with self-cleaning system, made of polyamide, statically and dynamically balanced at the factory.

FILTERS:
REINTDECK WARRIOR1800 EC FILTERS:
• Triple filtering stage at each panel, comprised of 5x ISO COARSE≥60% (G4) + 5 ISO ePM1≥50% (F7) + 5 HEPA H14.
• 15 filters per purification unit.
• The ISO COARSE≥60% (G4) and ISO ePM1≥50% (F7) pre-filters increase the life of the absolute filters HEPA H14.

MOTORS:
• Low consumption EC (electronically commutated) Technology exterior rotor motor. IP-44 protection and class Binsulation. Standard voltage 230V 50Hz/60Hz.

CONTROL PANEL:
• All REINTDECK WARRIOR air purifiers are equipped with a master control panel located on one side of the structure.
• This control panel allows for control of the following parameters:
1. On/Off of the air Purifier.
2. Automatic function – Autonomous.
3. Flow adjustment, 0 being the lowest and 100 the highest.
4. Schedule control for night mode optimization and thus favouring low energy consumption when the interior spaces are empty.
5. Clogged filter alarm and maintenance indication.
6. Modbus RS-485 included.
7. Warrior module maintenance alarm.

### APPLICATIONS

• Designed for all kind of indoor spaces such as:
• Supermarkets
• Pavilions
• Gyms
• Restaurants
• Health sector

## PURIFICADORES PARA FALSO TECHO CENTRALIZADOS Y DESCENTRALIZADOS, INTEGRABLES Y COMBINABLES

• Los purificadores de aire REINTDECK WARRIOR by Casals son equipos capaces de convertir cualquier espacio interior en un ambiente libre de partículas contaminantes y dejar así un aire mucho más saludable.
• Está diseñado para reducir la carga viral de las estancias • Todos los equipos REINTDECK WARRIOR llevan instalado la PHOTOCATALYSIS-UVC TOWER by Casals, compuesta por una lámpara de luz ultravioleta UV-C y un sistema de fotocatálisis que permite destruir las partículas captadas previamente por los filtros.
• Esta versión permite conectarla a los conductos y conducir el aire purificado por hasta 4 vías que se pueden intercambiar.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Unidades de purificación de aire de alta eficiencia en estructura soundproof (insonorizada) de acero galvanizado resistente a la corrosión.
• Disponible con motor (EC):
1. REINTDECK WARRIOR 1800 /EC hasta 1800m³/h para espacios interiores de hasta 182 m2 con 3 renovaciones/hora, altura de instalación 3m. Modelo centralizado por conductos en falso techo, aspiración por substitución de placa falso techo tipo Armstrong.

CHASIS:
• Estructura soundproof de perfil de aluminio de 30mm, esquinas de nylon y panel sándwich de acero lacado RAL 9006, clase M0, con aislamiento interno de lana de roca de 25mm de espesor clase A1 (no combustible) y 90kg/m³ de densidad. Los paneles disponen de fastening system (sistema de fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambios de paneles.
• Los filtros se ubican en los paneles laterales y inferiores perforados, con tiradores y fastening system . Su fácil acceso optimiza el mantenimiento y rapidez del cambio de filtros. Se recomienda realizar el cambio de filtros y manipulación de los REINTDECK WARRIOR con EPIs adecuados.

VENTILADOR:
• Equipado con turbina de poliamida de simple aspiración de álabes hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante. Equilibrada estática y dinámicamente en origen.

FILTROS:
FILTROS REINTDECK WARRIOR 1800 EC:
• Triple etapa de filtración en cada panel, compuesto por 5 x ISO COARSE≥60% (G4) + 5 filtros ISO ePM1≥50% (F7) + 5 HEPA H14.
• 15 filtros por unidad de purificación.
• Los prefiltros ISO COARSE≥60% (G4) e ISO ePM1≥50% (F7) aumentan la vida útil de los filtros absolutos HEPA H14.

MOTORES:
• Motores de bajo consumo con tecnología EC (conmutación electrónica) de rotor exterior. Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

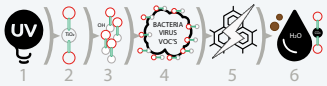
PANEL DE CONTROL:
• Todos los equipos REINTDECK WARRIOR van equipados con un panel de control maestro.
• Este panel de control permite controlar los siguientes parámetros:
1. On/Off del purificador de aire.
2. Funcionamiento automático – Autónomo.
3. Caudal ajustable siendo 0 el mínimo y 100 el máximo.
4. Control horario para optimización del modo noche y favorecer así el bajo consumo energético cuando los espacios interiores estén vacíos.
5. Alarma de colmatación de filtros e indicación de mantenimiento.
6. Incorpora Modbus RS-485.
7. Alarma de mantenimiento módulo Warrior.

VERSION /
VERSIONES
**WARRIOR**



• PHOTOCATALYSIS-UVC TOWER by Casals carries out a photocatalytic oxidation process thatcombines UVC irradiation with a substance (catalyst) titanium dioxide (TiO2) which results in a reaction that changes harmful contaminants (bacteria, viruses and volatile organic compounds or VOC's) into H2O, CO2 and detritus.
The air purification process of using photocatalytic oxidation works by using an existing air system that pulls air through the PURIFIERS which passes through the professionally installed ultraviolet light/ titanium dioxide chamber.
As the malignant contaminant-filled ambient air circulates through these chamber the microbes are "attacked" by free hydroxyl radicals and superoxide ions (created by UV light and titanium dioxide) breaking their cellular structure apart and destroying both the intracellular mass and DNA/HNA chromosomes.
The result is harmless water molecules, carbon dioxide and detritus.

• PHOTOCATALYSIS-UVC TOWER by Casals lleva a cabo un proceso de oxidación fotocatalítica que combina la radiación UV-C con una sustancia (catalizador) dióxido de titanio (TiO2) que produce una reacción que transforma los contaminantes dañinos (bacterias, virus y compuestos orgánicos volátiles o VOC's) en H2O, CO2 y detritos.
El proceso de purificación de aire mediante el uso de oxidación fotocatalítica funciona mediante el uso de un sistema de aire existente que extrae el aire a través del PURIFICADOR que, a su vez, pasa a través de la cámara de luz ultravioleta/dióxido de titanio instalada profesionalmente. A medida que el aire ambiente lleno de contaminantes dañinos circula a través de esta cámara, los microbios son "atacados" por radicales hidróxilos libres e iones de superóxido (creados por la luz ultravioleta y el dióxido de titanio) que rompen su estructura celular y destruyen tanto la masa intracelular como el cromosoma ADN/HNA.
El resultado son moléculas de agua inofensivas, dióxido de carbono y detritos.




| | |
|---|---|
| 1. | Ultraviolet light.<br>Luz ultravioleta. |
| 2. | Titanium dioxide catalyst.<br>Catalizador de dióxido de titanio. |
| 3. | Created free hydroxyl radicals and superoxide ions.<br>Radicales hidróxilos libres e iones de superóxido creados. |
| 4. | Attack of harmful pollutants.<br>Ataque de los contaminantes dañinos. |
| 5. | Destruction of the cell structure.<br>Destrucción de la estructura celular. |
| 6. | Water molecules carbon dioxide and detritus.<br>Moléculas de agua, dióxido de carbono y detritos. |

• Offices
• Hotels
• Homes
• Colleges and universities
• In short, for any public space where high-quality air purification is required since REINTDECK WARRIOR purifiers are equipped with high-efficiency HEPA H14 filters.
• Designed to be installed in indoor spaces in false ceilings, which makes them the best solution for:
• Ventilation of workstations.
• The health sector (waiting rooms, corridors, rooms, field hospitals, common areas, clinics, pharmacies, etc.).
• The tertiary and industrial sector (gyms, pavilions, supermarkets, offices, hotels, universities, schools, public institutions, warehouses, living rooms in restaurants, shops, etc.).

**APLICACIONES**
• Diseñados para todo tipo de espacios interiores como:
• Supermercados
• Pabellones
• Gimnasios
• Restaurantes
• Sector sanitario
• Oficinas
• Hoteles
• Hogares
• Colegios y universidades
• En definitiva, para cualquier espacio público donde se requiera una purificación del aire de alta calidad dado que los purificadores REINTDECK WARRIOR están equipados con filtros absolutos de alta eficiencia HEPA H14 (EN 1822 99,995%).
• Ideados para ser instalados en espacios interiores en falso techo, lo que los convierte en la mejor solución para:
• La purificación en los puestos de trabajo.
• El sector sanitario (salas de espera, pasillos, habitaciones, hospitales de campaña, zonas comunes, clínicas, farmacias...).
• El sector terciario e industrial (gimnasios, pabellones, supermercados, oficinas, hoteles, universidades, colegios, instituciones públicas, almacenes, salas de estar en restaurantes, tiendas, etc.).

## ACCESSORIES | ACCESORIOS



**CFF** pg.407
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**HEPAF** pg.407
Absolute filter for terminal filtration.
Filtro absoluto para filtración terminal.



**CHEF** pg.407
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Pow. W | Max. Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Pot. nom. W | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| REINT1800ECW | REINTDECK WARRIOR 1800 EC | 1870 | 2,08 | 460 | 1800 | 45 | 96 | **7.637,10** |

## FILTERS FOR REINTDECK & REINTDECK WARRIOR |
## FILTROS PARA REINTDECK & REINTDECK WARRIOR



### HEPAF

Absolute filter for terminal filtration/
Filtro absoluto para filtración terminal

### HEPA 14 (H14)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTH14006 | 305x610x66-69 | REINTAIR® L 600 & REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 300 | 120 | **281,20** |
| FILTH14002 | 610x610x68 | REINTDECK 1800 EC & WARRIOR | 600 | 120 | **406,30** |



### CHEF

High efficiency, rigid and compact filters/
Filtro compacto rígido de alta eficacia

### EPM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF07010 | 610x305x48 | REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 1400 | 90 | **111,60** |
| FILTF07011 | 610x610x48 | REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 2800 | 90 | **122,90** |



### CFF

Filter cells with FiberPlast frame/
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTG04004 | 592x287x20-24 | REINTAIR® L 600 & REINTDECK 1800 EC & WARRIOR | 1300 | 57 | **36,30** |
| FILTG04002 | 592x592x20 | REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 2600 | 57 | **34,10** |








# KUBALIK-CO2

## AIR RENEWAL AND $CO_2$ REDUCTION KIT

## KIT DE RENOVACIÓN DE AIRE Y REDUCCIÓN DE $CO_2$



Get with KUBALIK-CO2 the indoor air quality in balance and in a controlled way

Consigue con KUBALIK-CO2 la calidad de aire interior en equilibrio y de forma controlada



Supply of clean air inside

Aportación de aire limpio hacia el interior

Extraction of stale air to the outside

Extracción de aire cargado hacia el exterior

| | | |
|---|---|---|
| KUBALIK 150 | 40 $m^2$ | 200 $m^3/h$ |
| KUBALIK 230 | 85 $m^2$ | 425 $m^3/h$ |
| KUBALIK 300 | 180 $m^2$ | 900 $m^3/h$ |



° Products for good indoor air quality and reduce the transmission risk.

**° Productos para una buena calidad de aire interior y reducir el riesgo de contagios.**

# REINTDECK EASY



FILTERS HEPA CERTIFIED EN1822

EEC PM motors

50 & 60 Hz

## DECENTRALIZED MODEL, HANG-UP INSTALLATION

• REINTDECK EASY by Casals air purifiers convert any indoor space into an environment free of contaminating particles and thus leave a much healthier air.
• It is designed to reduce the viral load of the rooms given the constant air renewals that it carries out.
• This decentralized version does not need to duct air and in a single unit the polluted air can be intaken through the lower panel, the air is filtered with a double stage, and clean air is provided by filtering it again with 4 absolute filters HEPA-14 through side panels with linear and adjustable diffusers.

### MANUFACTURING FEATURES

• High efficiency purification unit built in soundproof steel structure, galvanized for corrosion resistance.
• Available with electric motor (EC):
1. REINTDECK EASY 1200/EC up to 1200m³/h for indoor spaces up to 126m2 with 3 renovations/hour, installation height 3m. Decentralized model, hang-up installation.

CHASIS:
• Soundproof 30mm extruded aluminum profile, nylon corners and pre lacquered steel sandwich panels, RAL 9006, class M0, with 25mm internal rockwool insulation class A1 (non combustible) and 90Kg/m³ density. Panels come with quick release fastening system for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel repositioning.
• Filters are located in the perforated side panels, with handles and fastening system. This ease of access optimizes maintenance and filter replacement procedures. Filter replacement and manipulation of the REINTDECK EASY is recommended with the appropriate PPE's.

FAN:
• Equipped with high efficiency single inlet - backward impeller with self-cleaning system, made of polyamide, statically and dynamically balanced at the factory.

FILTERS:
REINTDECK EASY 1200 EC FILTERS:
• One filtration stage in 4 supply panels with adjustable diffusers comprised of 1 absolute filter HEPA 14 in each panel.
• Double filtration stage in inlet panel consisting of 1 filter ISO COARSE≥60% (G4) + 1 filter ISO ePM1≥50% (F7).
• 6 filters per purification unit.
• The ISO COARSE≥60% (G4) and filter ISO ePM1≥50% (F7) prefilters increase the life of the absolute filters HEPA H14.

MOTORS:
• Low consumption EC (electronically commutated) Technology exterior rotor motor. IP-44 protec tion and class Binsulation. Standard voltage 230V 50Hz/60Hz.

CONTROL PANEL:
• All REINTDECK EASY air purifiers are equipped with a master control panel located on one side of the structure.
• This control panel allows for control of the following parameters:
1. On/Off of the air Purifier.
2. Automatic function – Autonomous.
3. Flow adjustment, 0 being the lowest and 100 the highest.
4. Schedule control for night mode optimization and thus favouring low energy consumption when the interior spaces are empty.
5. Clogged filter alarm and maintenance indication.
6. Modbus RS-485 included.

### APPLICATIONS

• Designed for all kind of indoor spaces such as:
• Supermarkets
• Pavilions
• Gyms
• Restaurants
• Health sector

## PURIFICADOR DESCENTRALIZADO CON INSTALACIÓN POR CUELGUE

• Los purificadores de aire REINTDECK EASY by Casals son equipos capaces de convertir cualquier espacio interior en un ambiente libre de partículas contaminantes y dejar así un aire mucho más saludable.
• Está diseñado para reducir la carga viral de las estancias dadas las constantes renovaciones de aire que lleva a cabo.
• Esta versión descentralizada no necesita conducir el aire y en una sola unidad se puede aspirar el aire contaminado a través del panel inferior, se filtra el aire con una doble etapa, y se aporta aire limpio filtrándolo nuevamente con 4 filtros absolutos HEPA-14 a través de los paneles laterales con difusores lineales y orientables.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Unidades de purificación de aire de alta eficiencia en estructura soundproof (insonorizada) de acero galvanizado resistente a la corrosión.
• Disponible con motor (EC):
1. REINTDECK EASY 1200/EC hasta 1200m³/h para espacios interiores de hasta 126m2 con 3 renovaciones/hora, altura de instalación 3m. Modelo descentralizado con instalación por cuelgue.

CHASIS:
• Estructura soundproof de perfil de aluminio de 30mm, esquinas de nylon y panel sándwich de acero lacado RAL 9006, clase M0, con aislamiento interno de lana de roca de 25mm de espesor clase A1 (no combustible) y 90kg/m³ de densidad. Los paneles disponen de fastening system (sistema de fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambios de paneles.
• Los filtros se ubican en los paneles laterales y inferiores perforados, con tiradores y fastening system . Su fácil acceso optimiza el mantenimiento y rapidez del cambio de filtros. Se recomienda realizar el cambio de filtros y manipulación de los REINTDECK EASY con EPIs adecuados.

VENTILADOR:
• Equipado con turbina de poliamida de simple aspiración de álabes hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante. Equilibrada estática y dinámicamente en origen.

FILTROS:
FILTROS REINTDECK EASY 1200 EC:
• Una etapa de filtración en los 4 paneles de impulsión con difusores orientables compuesto por 1 filtro absoluto HEPA 14 en cada panel.
• Doble etapa de filtración en el panel de aspiración compuesto por 1 filtro ISO COARSE≥60% (G4) + filtro ISO ePM1≥50% (F7).
• 6 filtros por unidad de purificación.
• Los prefiltros ISO COARSE≥60% (G4) e ISO ePM1≥50% (F7) aumentan la vida útil de los filtros absolutos HEPA H14.

MOTORES:
• Motores de bajo consumo con tecnología EC (conmutación electrónica) de rotor exterior. Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

PANEL DE CONTROL:
• Todos los equipos REINTDECK EASY van equipados con un panel de control maestro.
• Este panel de control permite controlar los siguientes parámetros:
1. On/Off del purificador de aire.
2. Funcionamiento automático – Autónomo.
3. Caudal ajustable siendo 0 el mínimo y 100 el máximo.
4. Control horario para optimización del modo noche y favorecer así el bajo consumo energético cuando los espacios interiores estén vacíos.
5. Alarma de colmatación de filtros e indicación de mantenimiento.
6. Incorpora Modbus RS-485.

- Offices
- Hotels
- Homes
- Colleges and universities
- In short, for any public space where high-quality air purification is required since REINTDECK EASY purifiers are equipped with high-efficiency HEPA H14 filters.
- Designed to be installed in interior spaces by simple hanging, which makes them the best solution for:
- Ventilation of workstations.
- The health sector (waiting rooms, corridors, rooms, field hospitals, common areas, clinics, pharmacies, etc.).
- The tertiary and industrial sector (gyms, pavilions, supermarkets, offices, hotels, universities, schools, public institutions, warehouses, living rooms in restaurants, shops, etc.).

**APLICACIONES**

- Diseñados para todo tipo de espacios interiores como:
- Supermercados
- Pabellones
- Gimnasios
- Restaurantes
- Sector sanitario
- Oficinas
- Hoteles
- Hogares
- Colegios y universidades
- En definitiva, para cualquier espacio público donde se requiera una purificación del aire de alta calidad dado que los purificadores REINTDECK EASY están equipados con filtros absolutos de alta eficiencia HEPA H14 (EN 1822 99,995%).
- Ideados para ser instalados en espacios interiores por simple cuelgue, lo que los convierte en la mejor solución para:
- La purificación en los puestos de trabajo.
- El sector sanitario (salas de espera, pasillos, habitaciones, hospitales de campaña, zonas comunes, clínicas, farmacias...).
- El sector terciario e industrial (gimnasios, pabellones, supermercados, oficinas, hoteles, universidades, colegios, instituciones públicas, almacenes, salas de estar en restaurantes, tiendas, etc.).

## ACCESSORIES | ACCESORIOS



**CFF** pg.413
Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



**HEPAF** pg.413
Absolute filter for terminal filtration.
Filtro absoluto para filtración terminal.



**CHEF** pg.413
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power W | Max. Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia nominal W | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| REINE1200EC | REINTDECK EASY 1200 EC | 1551 | 0,77 | 460 | 1200 | 41 | 96 | **5.881,60** |

# REINTDECK EASY WARRIOR












## DECENTRALIZED MODEL, HANG-UP INSTALLATION

• REINTDECK EASY WARRIOR by Casals air purifiers convert any indoor space into an environment free of contaminating particles and thus leave a much healthier air.
• It is designed to reduce the viral load of the rooms.
• All REINTDECK EASY WARRIOR equipments have installed the PHOTOCATALYSIS-UVC TOWER by Casals, composed by a UV-C light lamp and a photocatalysis system that allows destroying the particles previously captured by the filters.
• This version allows it to be connected to the ducts and to conduct the purified air through up to 4 interchangeable ways.
• This decentralized version does not need to duct air and in a single unit the polluted air can be intaken through the lower panel, the air is filtered with a double stage, and clean air is provided by filtering it again with 4 absolute filters HEPA 14 through side panels with linear and adjustable diffusers.

### MANUFACTURING FEATURES

• High efficiency purification unit built in soundproof steel structure, galvanized for corrosion resistance.
• Available with electric motor (EC):
1. REINTDECK EASY WARRIOR 1200/EC up to 1200m³/h for indoor spaces up to 126m² with 3 renovations/hour, installation height 3m. Decentralized model, hang-up installation.

CHASIS:
• Soundproof 30mm extruded aluminum profile, nylon corners and pre lacquered steel sandwich panels, RAL 9006, class M0, with 25mm internal rockwool insulation class A1 (non combustible) and 90Kg/m³ density. Panels come with quick release fastening system for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel repositioning.
• Filters are located in the perforated side panels, with handles and fastening system. This ease of access optimizes maintenance and filter replacement procedures. Filter replacement and manipulation of the REINTDECK EASY WARRIOR is recommended with the appropriate PPE's.

FAN:
• Equipped with high efficiency single inlet - backward impeller with self-cleaning system, made of polyamide, statically and dynamically balanced at the factory.

FILTERS:
REINTDECK EASY WARRIOR 1200 EC FILTERS:
• One filtration stage in 4 supply panels with adjustable diffusers comprised of 1 absolute filter HEPA 14 in each panel.
• Double filtration stage in inlet panel consisting of 1 filter ISO COARSE≥60% (G4) + 1 filter ISO ePM1≥50% (F7).
• 6 filters per purification unit.
• The ISO COARSE≥60% (G4) and ISO ePM1≥50% (F7) pre-filters increase the life of the absolute filters HEPA H14.

MOTORS:
• Low consumption EC (electronically commutated) Technology exterior rotor motor. IP-44 protec tion and class Binsulation. Standard voltage 230V 50Hz/60Hz.

CONTROL PANEL:
• All REINTDECK EASY WARRIOR air purifiers are equipped with a master control panel located on one side of the structure.
• This control panel allows for control of the following parameters:
1. On/Off of the air Purifier.
2. Automatic function – Autonomous.
3. Flow adjustment, 0 being the lowest and 100 the highest.
4. Schedule control for night mode optimization and thus favouring low energy consumption when the interior spaces are empty.
5. Clogged filter alarm and maintenance indication.
6. Modbus RS-485 included.
7. Warrior module maintenance alarm.

## PURIFICADOR DESCENTRALIZADO CON INSTALACIÓN POR CUELGUE

• Los purificadores de aire REINTDECK EASY WARRIOR by Casals son equipos capaces de convertir cualquier espacio interior en un ambiente libre de partículas contaminantes y dejar así un aire mucho más saludable.
• Está diseñado para reducir la carga viral de las estancias.
• Todos los equipos REINTDECK EASY WARRIOR llevan instalado la PHOTOCATALYSIS-UVC TOWER by Casals, compuesta por una lámpara de luz ultravioleta UV-C y un sistema de fotocatálisis que permite destruir las partículas captadas previamente por los filtros.
• Esta versión descentralizada no necesita conducir el aire y en una sola unidad se puede aspirar el aire contaminado a través del panel inferior, se filtra el aire con una doble etapa, y se aporta aire limpio filtrándolo nuevamente con 4 filtros absolutos HEPA 14 a través de los paneles laterales con difusores lineales y orientables.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Unidades de purificación de aire de alta eficiencia en estructura soundproof (insonorizada) de acero galvanizado resistente a la corrosión.
• Disponible con motor (EC):
1. REINTDECK EASY WARRIOR 1200/EC hasta 1200m³/h para espacios interiores de hasta 126m² con 3 renovaciones/hora, altura de instalación 3m. Modelo descentralizado con instalación por cuelgue.

CHASIS:
• Estructura soundproof de perfil de aluminio de 30mm, esquinas de nylon y panel sándwich de acero lacado RAL 9006, clase M0, con aislamiento interno de lana de roca de 25mm de espesor clase A1 (no combustible) y 90kg/m³ de densidad. Los paneles disponen de fastening system (sistema de fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambios de paneles.
• Los filtros se ubican en los paneles laterales y inferiores perforados, con tiradores y fastening system. Su fácil acceso optimiza el mantenimiento y rapidez del cambio de filtros. Se recomienda realizar el cambio de filtros y manipulación de los REINTDECK EASY WARRIOR con EPIs adecuados.

VENTILADOR:
• Equipado con turbina de poliamida de simple aspiración de álabes hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante. Equilibrada estática y dinámicamente en origen.

FILTROS:
FILTROS REINTDECK EASY WARRIOR 1200 EC:
• Una etapa de filtración en los 4 paneles de impulsión con difusores orientables compuesto por 1 filtro absoluto HEPA-14 en cada panel.
• Doble etapa de filtración en el panel de aspiración compuesto por 1 filtro ISO COARSE≥60% (G4) + filtro ISO ePM1≥50% (F7).
• 6 filtros por unidad de purificación.
• Los prefiltros ISO COARSE≥60% (G4) e ISO ePM1≥50% (F7) aumentan la vida útil de los filtros absolutos HEPA H14.

MOTORES:
• Motores de bajo consumo con tecnología EC (conmutación electrónica) de rotor exterior. Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

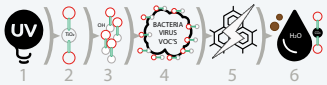
PANEL DE CONTROL:
• Todos los equipos REINTDECK EASY WARRIOR van equipados con un panel de control maestro.
• Este panel de control permite controlar los siguientes parámetros:
1. On/Off del purificador de aire.
2. Funcionamiento automático – Autónomo.
3. Caudal ajustable siendo 0 el mínimo y 100 el máximo.

VERSION /
VERSIONES
**WARRIOR**



• PHOTOCATALYSIS-UVC TOWER by Casals carries out a photocatalytic oxidation process thatcombines UVC irradiation with a substance (catalyst) titanium dioxide (TiO2) which results in a reaction that changes harmful contaminants (bacteria, viruses and volatile organic compounds or VOC's) into H2O, CO2 and detritus.
The air purification process of using photocatalytic oxidation works by using an existing air system that pulls air through the PURIFIERS which passes through the professionally installed ultraviolet light/ titanium dioxide chamber.
As the malignant contaminant-filled ambient air circulates through these chamber the microbes are "attacked" by free hydroxyl radicals and superoxide ions (created by UV light and titanium dioxide) breaking their cellular structure apart and destroying both the intracellular mass and DNA/HNA chromosomes.
The result is harmless water molecules, carbon dioxide and detritus.

• PHOTOCATALYSIS-UVC TOWER by Casals lleva a cabo un proceso de oxidación fotocatalítica que combina la radiación UV-C con una sustancia (catalizador) dióxido de titanio (TiO2) que produce una reacción que transforma los contaminantes dañinos (bacterias, virus y compuestos orgánicos volátiles o VOC's) en H2O, CO2 y detritos.
El proceso de purificación de aire mediante el uso de oxidación fotocatalítica funciona mediante el uso de un sistema de aire existente que extrae el aire a través del PURIFICADOR que, a su vez, pasa a través de la cámara de luz ultravioleta/dióxido de titanio instalada profesionalmente. A medida que el aire ambiente lleno de contaminantes dañinos circula a través de esta cámara, los microbios son "atacados" por radicales hidróxilos libres e iones de superóxido (creados por la luz ultravioleta y el dióxido de titanio) que rompen su estructura celular y destruyen tanto la masa intracelular como el cromosoma ADN/HNA.
El resultado son moléculas de agua inofensivas, dióxido de carbono y detritos.




| | |
|---|---|
| 1. | Ultraviolet light.<br>Luz ultravioleta. |
| 2. | Titanium dioxide catalyst.<br>Catalizador de dióxido de titanio. |
| 3. | Created free hydroxyl radicals and superoxide ions.<br>Radicales hidróxilos libres e iones de superóxido creados. |
| 4. | Attack of harmful pollutants.<br>Ataque de los contaminantes dañinos. |
| 5. | Destruction of the cell structure.<br>Destrucción de la estructura celular. |
| 6. | Water molecules carbon dioxide and detritus.<br>Moléculas de agua, dióxido de carbono y detritos. |

## APPLICATIONS

• Designed for all kind of indoor spaces such as:
• Supermarkets
• Pavilions
• Gyms
• Restaurants
• Health sector
• Offices
• Hotels
• Homes
• Colleges and universities
• In short, for any public space where high-quality air purification is required since REINTDECK EASY WARRIOR purifiers are equipped with high-efficiency HEPA H14 filters.
• Designed to be installed in interior spaces by simple hanging, which makes them the best solution for:
• Ventilation of workstations.
• The health sector (waiting rooms, corridors, rooms, field hospitals, common areas, clinics, pharmacies, etc.).
• The tertiary and industrial sector (gyms, pavilions, supermarkets, offices, hotels, universities, schools, public institutions, warehouses, living rooms in restaurants, shops, etc.).

4. Control horario para optimización del modo noche y favorecer así el bajo consumo energético cuando los espacios interiores estén vacíos.
5. Alarma de colmatación de filtros e indicación de mantenimiento.
6. Incorpora Modbus RS-485.
7. Alarma de mantenimiento módulo Warrior.

## APLICACIONES

• Diseñados para todo tipo de espacios interiores como:
• Supermercados
• Pabellones
• Gimnasios
• Restaurantes
• Sector sanitario
• Oficinas
• Hoteles
• Hogares
• Colegios y universidades
• En definitiva, para cualquier espacio público donde se requiera una purificación del aire de alta calidad dado que los purificadores REINTDECK EASY WARRIOR están equipados con filtros absolutos de alta eficiencia HEPA H14 (EN 1822 99,995%).
• Ideados para ser instalados en espacios interiores por simple cuelgue, lo que los convierte en la mejor solución para:
• La purificación en los puestos de trabajo.
• El sector sanitario (salas de espera, pasillos, habitaciones, hospitales de campaña, zonas comunes, clínicas, farmacias...).
• El sector terciario e industrial (gimnasios, pabellones, supermercados, oficinas, hoteles, universidades, colegios, instituciones públicas, almacenes, salas de estar en restaurantes, tiendas, etc.).

## ACCESSORIES | ACCESORIOS



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Filter cells with FiberPlast frame.
Filtro de celdas con marco FiberPlast.



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Absolute filter for terminal filtration.
Filtro absoluto para filtración terminal.



**CHEF** pg.413
High efficiency, rigid and compact filters.
Filtro compacto rígido de alta eficacia.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Pow. W | Max. Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|---|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Pot. nom.W | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| REINE1200ECW | REINTDECK EASY WARRIOR 1200 EC | 1551 | 0,77 | 460 | 1200 | 41 | 96 | **7.057,00** |

## FILTERS FOR REINTDECK EASY & REINTDECK EASY WARRIOR |
## FILTROS PARA REINTDECK EASY & REINTDECK EASY WARRIOR



### HEPAF

Absolute filter for terminal filtration/
Filtro absoluto para filtración terminal

#### HEPA 14 (H14)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTH14006 | 305x610x66-69 | REINTAIR® L 600 & REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 300 | 120 | **281,20** |



### CHEF

High efficiency, rigid and compact filters/
Filtro compacto rígido de alta eficacia

#### EPM1≥50% (F7)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTF07011 | 610x610x48 | REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 2800 | 90 | **122,90** |



### CFF

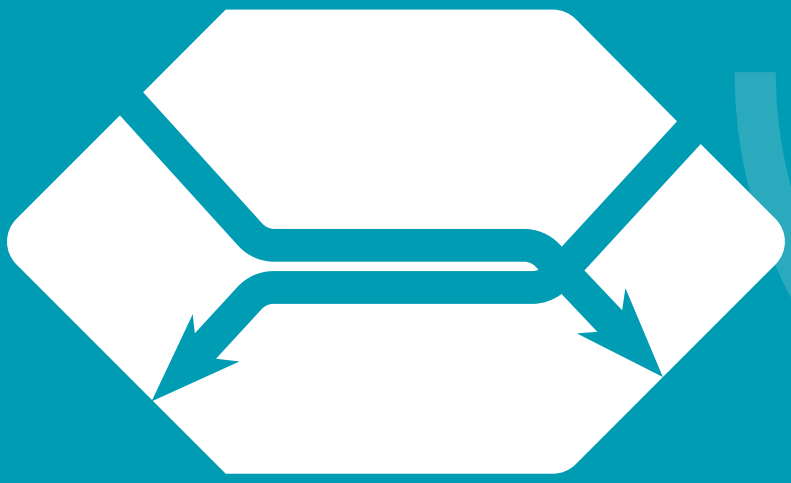
Filter cells with FiberPlast frame/
Filtro de celdas con marco FiberPlast

#### ISO COARSE ≥60% (G4)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTG04002 | 592x592x20 | REINTDECK 1800 EC & REINTDECK EASY 1200 EC & WARRIOR | 2600 | 57 | **34,10** |

# º Heat recovery units

# º Recuperadores de calor





OREQA EEC



QUANTICA EEC

## ERP ECODESIGN DIRECTIVE 2009/125/CE -LOT 6- HEAT EXCHANGER UNITS

1. All ventilation units, except fans with more than one application range (for example, fans used for both ventilation and flue gas extraction) must be equipped with a variable speed controller or stepper.

2. All bidirectional ventilation units must have a heat recovery and thermal bypass system.

3. The heat recovery system will have a thermal bypass. This means regulation of heat recovery between 1-100%.

4. In double-flow air ventilation units, the minimum thermal efficiency of all heat recovery systems with balanced air flow (except for circulating fluid systems) will be effective as of January 1, 2018: Minimum 73 %.

5. In double-flow air ventilation units, the minimum thermal efficiency of the heat recovery systems with water coils in the balanced air flow will be as of January 1, 2018: Minimum 68%.

6. The relation between the specific fan power fan (SFP) and the efficiency of the heat recovery system is specified in a formula. If the efficiency in heat recovering, for example, is greater than 67%, a higher specific fan power (SFP) is allowed. This requirement will be implemented in two steps. The first step was implemented on January 1, 2016; and the second, with stricter demands, on January 1, 2018. First, a new value of SFP called SFPint is created. The SFPint is a theoretical value to allow an efficiency limit for different configurations of the recovery unit. The SFPint is calculated with clean M5 filters in return, with clean F7 filters in air supply, the exchanger itself and the air flow in the recovery unit. In Spain, the R.I.T.E. (Regulation of Thermal Installations in Buildings) that establishes criteria linked to the ERP Ecodesign Directive 2009/125/CE.

## DIRECTIVA ERP ECODESIGN 2009/125/CE -LOTE 6- RECUPERADORES DE CALOR

1. Todas las unidades de ventilación, excepto los ventiladores con más de un rango de aplicación (por ejemplo, ventiladores utilizados tanto para la ventilación como para la extracción de gases de combustión) deben estar equipados con un controlador de velocidad variable o paso a paso.

2. Todas las unidades de ventilación bidireccionales deberán disponer de un sistema de recuperación de calor y bypass térmico.

3. El sistema de recuperación de calor tendrá una derivación térmica. Esto significa regulación de recuperación de calor entre 1-100%.

4. En las unidades de ventilación de doble flujo de aire, la eficiencia térmica mínima de todos los sistemas de recuperación de calor con flujo de aire equilibrado (excepto los sistemas de líquidos circulantes) será a partir del 1 de enero de 2018: Mínimo 73%.

5. En las unidades de ventilación de doble flujo de aire, la eficiencia térmica mínima de los sistemas de recuperación de calor con baterías de agua en el flujo de aire balanceado será a partir del 1 de enero de 2018: Mínimo 68%.

6. La relación entre la potencia específica del ventilador (SFP) y la eficiencia del sistema de recuperación de calor se especifica en una fórmula. Si la eficiencia en la recuperación de calor, por ejemplo, es superior al 67%, se permite una mayor potencia específica del ventilador (SFP). Este requisito se implementará en dos pasos. El primer paso se implementó el 1 de enero de 2016, y el segundo, con demandas más estrictas, el 1 de enero de 2018. Primero se crea un nuevo valor de SFP llamado SFPint. El SFPint es un valor teórico para permitir un límite de eficiencia para diferentes configuraciones del recuperador. El SFPint se calcula con los filtros M5 en retorno limpios, con los filtros F7 limpios en impulsión, el propio recuperador y el flujo de aire en la unidad de recuperación. En España, hay que tener en cuenta la R.I.T.E. (Reglamento de Instalaciones Térmicas en Edificios) que establece unos criterios ligados a la Directiva ERP Ecodesign 2009/125/CE.









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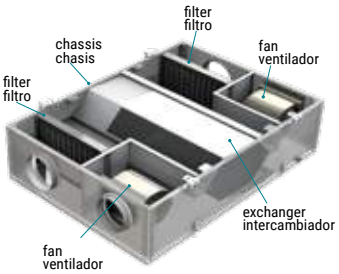
Folleto

Storm industrial

Brochure

# OREQA EEC






83%

EEC
PM motors

## COUNTER FLOW HEAT RECOVERY UNIT AND EC MOTOR FOR FALSE CEILING. EFFICIENCY 83%

### MANUFACTURING FEATURES

CHASSIS

Internal support structure in hot galvanized steel profiles Z140; construction according to EN1886, mechanical resistance class D1.
Outer casing in sandwich panels, 25 mm thick and 6/10 thick sheet steel.
Z140 hot galvanized inner sheets, RAL 9010 pre-lacquered outer sheets and covered with PVC protective film.
Internal insulation by high-density polyurethane foam (40 kg/m³). Airtightness guaranteed by an adaptable and resistant neoprene gasket.
Opening panels, tightened by thrust screws that ensure adequate and constant pressure on the sealing gaskets.
Condensate collection tank in stainless steel AISI 304 (EURONORM 1.4301), internally inclined to facilitate drainage, in correspondence with areas subject to condensation.

HEAT EXCHANGER

Aluminum counter flow heat exchangers, whose efficiency certified by Eurovent exceeds the requirements established by the eco-design regulation No. 1253/2014 / EU.
Sized to achieve the best balance between heat recovery efficiency, pressure drops, and fan power consumption.
The heat exchangers also integrate a bypass damper (100% air flow) with automatic control to achieve the free-cooling and free-heating functions provided by the aforementioned Ecodesign regulation.
Inclined assembly to facilitate condensate discharge and simplify machine start-up.

FILTERS

Each OREQA EEC series recuperator is equipped with 1 ePM1 filter 50% (F7) in extraction and another ePM1≥50% (F7) in contribution, both mounted on guides with gaskets for an effective sealing and placed upstream of the internal components to guarantee adequate protection.
Optionally, an ePM1≥80% (F9) filter can be ordered in discharge.

MOTOR-FANS

Centrifugal fans in galvanized steel, independently controllable. With forward curved blades, aerodynamic profile, statically and dynamically balanced. Directly coupled to electronically commutated type motors (EC brushless), thermally protected and regulated by a 0-10V modulating signal.

ELECTRONIC CONTROL

Supplied with an advanced electronic display, which includes temperature probes at the external air inlet and the ambient air inlet, which supervises their operation. The user interface consists of a remote control panel with an LCD display.
There are 3 control modes, all with Modbus communication protocol to integrate the unit into the most modern home automation systems through the RS485 serial port, supplied as standard.
BASIC control
EVO COP control
EVO CAV control

BYPASS

Full bypass (100%) automatic.

RANGE

7 construction sizes.
Ø315mm circular connection.
Vertical and horizontal configuration.
Flow rates max of 400 to 4.000 m³/h.
Factory configurable only. Standard configuration H2 and V1.
3 controls with Modbus.

### APPLICATIONS

Designed for mounting in a false ceiling under cover, in residential and commercial environments.
For use in the open, the installation of a canopy is mandatory.

## RECUPERADOR DE CALOR DE CONTRAFLUJO Y MOTOR EC PARA FALSO TECHO. EFICIENCIA 83%

### CARACTERÍSTICAS CONSTRUCTIVAS

CHASIS

Estructura de soporte interna en perfiles de acero galvanizado en caliente Z140; construcción de acuerdo con EN1886, clase de resistencia mecánica D1.
Carcasa exterior en paneles sándwich, de 25 mm de espesor y en chapa de acero de 6/10 de espesor.
Láminas internas galvanizadas en caliente Z140, láminas exteriores prelacadas RAL 9010 y cubiertas con película protectora de PVC.
Aislamiento interno mediante espuma de poliuretano de alta densidad (40 kg/m³). Estanqueidad al aire garantizada por una junta de neopreno adaptable y resistente.
Paneles de apertura, apretados por tornillos de empuje que aseguran una presión adecuada y constante sobre las juntas de sellado.
Depósito de recogida de condensados en acero inoxidable AISI 304 (EURONORM 1.4301), inclinado internamente para facilitar el drenaje, en correspondencia con las zonas sujetas a condensación.

INTERCAMBIADOR DE CALOR

Intercambiadores de calor de contraflujo de aluminio, cuya eficiencia certificada por Eurovent supera los requisitos establecidos por el reglamento de diseño ecológico Nº 1253/2014/UE.
Dimensionados para lograr el mejor equilibrio entre la eficiencia de recuperación de calor, las caídas de presión y el consumo eléctrico de los ventiladores.
Los intercambiadores de calor también integran un bypass (100% del flujo de aire) con control automático para lograr las funciones de free-cooling y free-heating previstas por el reglamento de Ecodiseño antes mencionado.
Conjunto inclinado para facilitar la descarga de condensados y simplificar la puesta en marcha de la máquina.

FILTROS

Cada recuperador de la serie OREQA EEC está equipado con 1 filtro ePM1≥50% (F7) en extracción y otro ePM1≥50% (F7) en aportación, ambos montados en guías con juntas para un sellado efectivo y colocados aguas arriba de los componentes internos para garantizar una protección adecuada.
Opcionalmente, puede solicitarse un filtro ePM1≥80% (F9) en impulsión.

MOTO-VENTILADORES

Ventiladores centrífugos en acero galvanizado, controlables de forma independiente. Con álabes curvados hacia delante, de perfil aerodinámico, equilibrados estática y dinámicamente. Acoplados directamente a motores del tipo conmutado electrónicamente (EC sin escobillas), protegidos térmicamente y regulados mediante una señal modulante 0-10V.

CONTROL ELECTRÓNICO

Suministrados con una display electrónico avanzado, que incluye sondas de temperatura en la entrada de aire externa y la entrada de aire ambiente, que supervisa su funcionamiento. La interfaz de usuario consiste en un panel de control remoto con pantalla LCD.
Existen 3 modalidades de control, todos con protocolo de comunicación Modbus para integrar la unidad en los sistemas domóticos más modernos a través del puerto serie RS485, suministrado de serie de serie.
Control BASIC
Control EVO COP
Control EVO CAV

BYPASS

Bypass total (100% ) automático.

GAMA

7 tamaños constructivos.
Conexión circular Ø315mm.

In full compliance with the requirements of the Ecodesign Regulation No. 1253/2014/EU, in force since January 2018, the devices of the OREQA EEC range guarantee high standards of comfort and health in enslaved environments, optimizing the general energy balance and against a particularly low power consumption.
Suggested minimum outdoor temperature of -5 °C.

Configuración vertical y horizontal.
Caudales máximos de 400 y 4.000 m³/h.
Sólo configurable en fábrica. Configuración estándar H2 y V1.
3 controles con Modbus.

**APLICACIONES**

Diseñados para montaje en falso techo a cubierto, en entornos residenciales y comerciales.
Para uso en imtemperie es obligatoria la instalación de un tejadillo.
En pleno cumplimiento de los requisitos del Reglamento de Ecodiseño Nº 1253/2014/UE, en vigor desde enero de 2018, los dispositivos de la gama OREQA EEC garantizan altos estándares de confort y salubridad de los entornos esclavizados optimizando el balance energético general y frente a un consumo de energía particularmente bajo.
Temperatura mínima exterior sugerida de -5 °C.

## ACCESSORIES | ACCESORIOS OREQA EEC

### 3WV

3 way valve/
Válvula de 3 vías



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| 3WV006 | KIT VÁLVULA 3 VIAS MODULANTE OREQA 005 & 006 | OREQA 005 & 006 EEC | **1.174,50** |
| 3WV015 | KIT VÁLVULA 3 VIAS MODULANTE OREQA 010 & 015 | OREQA 010 & 015 EEC | **1.174,50** |
| 3WV040 | KIT VÁLVULA 3 VIAS MODULANTE OREQA 020,030 & 040 | OREQA 020,030 & 040 EEC | **1.314,30** |

### SCO2

$Co_2$, temperature, relative humidity sensor /
Sensor de $co_2$, temperatura y humedad relativa para la gestión de la calidad del aire



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| SCO2 | SCO2 IAQ | OREQA EEC, QUANTICA EEC | **622,20** |

### SILC-MINI

Circular sound attenuator in galvanized steel /
Silenciador circular con brida en acero galvanizado



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| SILCM160 | SILC-MINI 160 | OREQA 005 EEC | **200,40** |
| SILCM200 | SILC-MINI 200 | OREQA 006 EEC | **221,50** |
| SILCM250 | SILC-MINI 250 | OREQA 010, 015 & 020 EEC | **245,90** |
| SILCM315 | SILC-MINI 315 | OREQA 030 & 040 EEC | **273,70** |

### TEJ

Weather protective roof for OREQA EEC recovery unit /
Tejadillo para intemperie para recuperadores OREQA EEC



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| TEJ HORIZONTAL | | | |
| A-TEJORQ005 | TEJ OREQA H 005 | OREQA H 005 EEC | **126,30** |
| A-TEJORQ006 | TEJ OREQA H 006 | OREQA H 006 EEC | **179,40** |
| A-TEJORQ010 | TEJ OREQA H 010 | OREQA H 010 EEC | **229,10** |
| A-TEJORQ015 | TEJ OREQA H 015 | OREQA H 015 EEC | **273,30** |
| A-TEJORQ020 | TEJ OREQA H 020 | OREQA H 020 EEC | **299,00** |
| A-TEJORQ030 | TEJ OREQA H 030 | OREQA H 030 EEC | **366,40** |
| A-TEJORQ040 | TEJ OREQA H 040 | OREQA H 040 EEC | **413,70** |

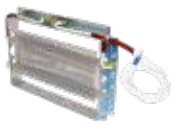
### VISC

Circular outdoor flange with bird guard /
Visera para intemperie con malla antipájaros para boca circular.



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| VISC150 | VISC Ø150 | OREQA 005 EEC | **75,00** |
| FX0050064 | VISC Ø200 | OREQA 006 EEC | **81,70** |
| FX0045450 | VISC Ø250 | OREQA 010, 015 & 020 EEC | **96,30** |
| FX0050065 | VISC Ø315 | OREQA 030 & 040 EEC | **104,70** |

## DEFROST SYSTEM / SISTEMA DEFROST



| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| DEF01ORQ005 | DEFROST SYSTEM 1,0 kW OREQA 005 | **817,30** |
| DEF02ORQ006 | DEFROST SYSTEM 2,0 kW OREQA 006 | **887,20** |
| DEF03ORQ010 | DEFROST SYSTEM 3,0 kW OREQA 010 | **901,70** |
| DEF05ORQ015 | DEFROST SYSTEM 5,0 kW OREQA 015 | **933,30** |
| DEF06ORQ020 | DEFROST SYSTEM 6,0 kW OREQA 020 | **987,40** |
| DEF09ORQ030 | DEFROST SYSTEM 9,0 kW OREQA 030 | **1.198,30** |
| DEF10ORQ040 | DEFROST SYSTEM 10,0 kW OREQA 040 | **1.330,10** |

## BE OREQA

Electric coil/
Batería eléctrica



| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BE01ORQ005 | BE 1,0 kW OREQA 005 | **785,70** |
| BE02ORQ006 | BE 2,0 kW OREQA 006 | **839,70** |
| BE03ORQ010 | BE 3,0 kW OREQA 010 | **979,40** |
| BE05ORQ015 | BE 5,0 kW OREQA 015 | **1.034,80** |
| BE06O RQ020 | BE 6,0 kW OREQA 020 | **1.120,50** |
| BE09ORQ030 | BE 9,0 kW OREQA 030 | **1.276,00** |
| BE10ORQ040 | BE 10,0 kW OREQA 040 | **1.337,90** |

## BAC

Hot water coil /
Batería de agua caliente



| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BAC HORIZONTAL | | |
| BACHORQ005 | BAC HORIZONTAL OREQA 005 | **1.112,60** |
| BACHORQ006 | BAC HORIZONTAL OREQA 006 | **1.228,60** |
| BACHORQ010 | BAC HORIZONTAL OREQA 010 | **1.330,10** |
| BACHORQ015 | BAC HORIZONTAL OREQA 015 | **1.485,60** |
| BACHORQ020 | BAC HORIZONTAL OREQA 020 | **1.587,10** |
| BACHORQ030 | BAC HORIZONTAL OREQA 030 | **1.952,30** |
| BACHORQ040 | BAC HORIZONTAL OREQA 040 | **2.131,80** |
| BAC VERTICAL | | |
| BACVORQ005 | BAC VERTICAL OREQA 005 | **1.112,60** |
| BACVORQ006 | BAC VERTICAL OREQA 006 | **1.228,60** |
| BACVORQ010 | BAC VERTICAL OREQA 010 | **1.330,10** |
| BACVORQ015 | BAC VERTICAL OREQA 015 | **1.485,60** |
| BACVORQ020 | BAC VERTICAL OREQA 020 | **1.587,10** |

## BAF

Cold water coil /
Batería de agua fría



| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BAF HORIZONTAL | | |
| BAFHORQ005 | BAF HORIZONTAL OREQA 005 | **1.547,50** |
| BAFHORQ006 | BAF HORIZONTAL OREQA 006 | **1.547,50** |
| BAFHORQ010 | BAF HORIZONTAL OREQA 010 | **1.657,00** |
| BAFHORQ015 | BAF HORIZONTAL OREQA 015 | **1.834,90** |
| BAFHORQ020 | BAF HORIZONTAL OREQA 020 | **2.022,00** |
| BAFHORQ030 | BAF HORIZONTAL OREQA 030 | **2.472,90** |
| BAFHORQ040 | BAF HORIZONTAL OREQA 040 | **2.690,40** |
| BAF VERTICAL | | |
| BAFVORQ005 | BAF VERTICAL OREQA 005 | **1.547,50** |
| BAFVORQ006 | BAF VERTICAL OREQA 006 | **1.547,50** |
| BAFVORQ010 | BAF VERTICAL OREQA 010 | **1.657,00** |
| BAFVORQ015 | BAF VERTICAL OREQA 015 | **1.834,90** |
| BAFVORQ020 | BAF VERTICAL OREQA 020 | **2.022,00** |

## OREQA EEC FILTERS |
## FILTROS PARA OREQA EEC



### CHEF

High efficiency, rigid and compact filters/
Filtro compacto rígido de alta eficacia

### ePM1≥50% (F7)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P € *<br>P.V.P € * |
|---|---|---|---|---|---|
| FILTF07016 | 287x300x48 | OREQA 005 EEC | 730 | 90 | **109,30** |
| FILTF07017 | 330x500x48 | OREQA 006 EEC | 1200 | 90 | **192,90** |

### KIT ePM1≥50% (F7)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P € *<br>P.V.P € * |
|---|---|---|---|---|---|
| KFILTF07000 | 2 uds 450x300x48 | OREQA 015 EEC | 1900 | 90 | **351,60** |
| KFILTF07001 | 2 uds 500x500x48 | OREQA 030 EEC | 3600 | 90 | **401,40** |

### ePM1≥80% (F9)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P € *<br>P.V.P € * |
|---|---|---|---|---|---|
| FILTF09014 | 287x300x48 | OREQA 005 EEC | 490 | 130 | **133,30** |
| FILTF09015 | 330x500x48 | OREQA 006 EEC | 800 | 130 | **242,50** |

### KIT ePM1≥80% (F9)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P € *<br>P.V.P € * |
|---|---|---|---|---|---|
| KFILTF09000 | 2 uds 450x300x48 | OREQA 015 EEC | 1400 | 130 | **418,40** |
| KFILTF09001 | 2 uds 500x500x48 | OREQA 030 EEC | 2500 | 130 | **468,00** |

* Filter prices correspond to complete kits. Each kit contains all the filters required by each OREQA EEC recovery unit.
* Los precios de los filtros corresponden a kits completos. Cada kit contiene todos los filtros que requiere cada recuperador OREQA EEC.

## CONTROLS AVAILABLE

### BASIC CONTROL

Constructively:
- Includes white BASIC Deported Screen.
- Includes flow and extraction temperature sensors.
- Includes differential pressure switch (INT PS).

Software:
- Integration to a BMS system via MODBUS RS485.
- It allows to control the speed of the impulsion and extraction fans.
- Automatic management of the motorized on / off bypass damper.
- Summer / Winter changeover management.
- Daily programming.
- Filters clogging control through differential pressure int.
- It allows the management of a hot or cold water coil through a 3-way valve.
- It allows the management of a post electric battery with PWM (modulated).
- It allows the management of variable flow through a CO2 probe. The CO2 probe can be factory wired - VAV

### EVO COP CONTROL

Constructively:
- Includes white BASIC Deported Screen.
- Includes flow and extraction temperature sensors.
- Includes differential pressure switch (INT PS).
- Includes 1 or 2 DPT differential pressure probes.

Software:
- Control designed to work at Constant Pressure - COP.
- Integration to a BMS system via MODBUS RS485.
- It allows to control the speed of the impulsion and extraction fans.
- Automatic management of the motorized on/off bypass damper.
- Summer/Winter changeover management.
- Daily programming.
- Filters clogging control through differential pressure probes.
- It allows the management of a hot or cold water coil through a 3-way valve.
- It allows the management of a post electric battery with PWM (modulated).

### EVO CAV CONTROL

Constructively:
- Includes white BASIC Deported Screen.
- Includes flow and extraction temperature sensors.
- Includes differential pressure switch (INT PS).
- Includes 1 or 2 DPT differential pressure probes.

Software:
- Control designed to work at constant flow - CAV.
- Integration to a BMS system via MODBUS RS485.
- It allows to control the speed of the impulsion and extraction fans.
- Automatic management of the motorized on/off bypass damper.
- Summer / Winter changeover management.
- Daily programming.
- Filters clogging control through differential pressure probes.
- It allows the management of a hot or cold water coil through a 3-way valve.
- It allows the management of a post electric battery with PWM (Modulated).

## CONTROLES DISPONIBLES

### CONTROL BASIC

Constructivamente:
- Incluye Pantalla Deportada BASIC blanca.
- Incluye sensores de temperatura en impulsión y extracción.
- Incluye interruptor de presión diferencial (INT PS).

Software:
- Integración a un sistema BMS vía MODBUS RS485.
- Permite controlar la velocidad de los ventiladores de impulsión y extracción.
- Gestión automática de la compuerta motorizada on/off del bypass.
- Gestión changeover Verano/Invierno.
- Programación diaria.
- Control de colmatación de los filtros a través de las int de presión diferencial.
- Permite la gestión de una batería de agua fría o caliente mediante una válvula de 3 vías.
- Permite la gestión de una batería post eléctrica con PWM (modulada).
- Permite la gestión de caudal variable mediante una sonda de CO2. La sonda de CO2 puede venir cableada de fábrica - VAV

### CONTROL EVO COP

Constructivamente:
- Incluye Pantalla Deportada BASIC blanca.
- Incluye sensores de temperatura en impulsión y extracción.
- Incluye interruptor de presión diferencial (INT PS).
- Incluye 1 o 2 sondas de presión diferencial DPT.

Software:
- Control diseñado para trabajar a Presión Constante - COP.
- Integración a un sistema BMS vía MODBUS RS485.
- Permite controlar la velocidad de los ventiladores de impulsión y extracción.
- Gestión automática de la compuerta motorizada on/off del bypass.
- Gestión changeover Verano/Invierno.
- Programación diaria.
- Control de colmatación de los filtros a través de las sondas de presión diferencial.
- Permite la gestión de una batería de agua fría o caliente mediante una válvula de 3 vías.
- Permite la gestión de una batería post eléctrica con PWM (modulada).

### CONTROL EVO CAV

Constructivamente:
- Incluye Pantalla Deportada BASIC blanca.
- Incluye sensores de temperatura en impulsión y extracción.
- Incluye interruptor de presión diferencial (INT PS).
- Incluye 1 o 2 sondas de presión diferencial DPT.

Software:
- Control diseñado para trabajar a caudal constante - CAV.
- Integración a un sistema BMS vía MODBUS RS485.
- Permite controlar la velocidad de los ventiladores de impulsión y extracción.
- Gestión automática de la compuerta motorizada on/off del bypass.
- Gestión changeover Verano/Invierno.
- Programación Diaria.
- Control de colmatación de los filtros a través de las sondas de presión diferencial.
- Permite la gestión de una batería de agua fría o caliente mediante una válvula de 3 vías.
- Permite la gestión de una batería post eléctrica con PWM (Modulada).



**FILTERS ePM1≥50% (F7)**
The filter medium has a filtration degree ePM1≥50% (F7), according to ISO 16890 and has a large filter surface that guarantees a long service life and less frequent replacements.

**FILTERS ePM1≥80% (F9)**
The filter medium has a filtration degree ePM1≥80% (F9), according to ISO 16890 and has a large filter surface that guarantees a long service life and less frequent replacements.

**DEFROST SYSTEM (optional)**
The automatic antifreeze system (optional) supplied with these recuperators consists of a self-regulating electric coil in PWM mode of the input power, installed in the return air intake. The system is controlled by a special temperature probe placed in the air intake and guarantees a considerable reduction in input power compared to traditional systems available on the market.

**BE. INTERNAL ELECTRIC HEATING COIL**
Available as an option for all units an internal reheating electric coil, composed of armored steel electric heaters, supplied with PWM control system, safety thermostat already wired and installed on board.

**BAC. EXTERNAL HOT WATER COIL**
The hot water coils are supplied in a dedicated section to be installed in the make-up flow zone. The case has the same sizes and features as the main unit and is fixed with a dedicated installation kit supplied with it.
Made with 0.4mm thick copper tubes and 0.11mm thick aluminum fins.
The tubes are mechanically expanded on the aluminum fins to increase the rate of heat exchange.
Upon request, it is possible to install coils with capacities different from the standard ones, under previous agreement with the factory.

**BAF. COLD WATER EXTERNAL COIL**
Made of 0.40 mm thick copper tubes and 0.11 mm thick aluminum fins.
The tubes are mechanically expanded on the aluminum fins to increase the rate of heat exchange.
Upon request, it is possible to install coils with thermal performances different from the standard ones, under previous agreement with the factory.
Supplied with condensate drainage tray with lateral water discharge.

**3WV. WATER CONTROL VALVE**
It consists of a kit that includes the 3-way valve to control the water flow, to be combined with the hot and/or cold water coil, and its modulating electric actuator.
Connection and mounting devices not included (to be arranged by the installer).

**SCO2-IAQ**
CO2, temperature and relative humidity sensor for air quality management
Temperature:
- Sensor type: NTC.
- Measuring range: 0.0°C to 50.0°C.
- Sensor life:> 10 years.

RH:
- Sensor type: Capacitive with integrated electronic circuit.
- Measurement range: 0% to 100%.
- Sensor life:> 10 years.

CO2 (carbon dioxide):
- Sensor type: NDIR (Non-Dispersive Infrared detector). Dual sensor.
- Measurement range: 0ppm to 2000ppm.
- Sensor life:> 5 years.

Factory calibrated sensors. CO2 sensor calibration function
CONTROL BASIC versions can be equipped with an air quality CO2 probe. This accessory is factory installed and wired.
If installed in the return air duct, it allows determining the amount of carbon dioxide present in the environment, increasing the amount of external air to dilute its content.
ATTENTION: The CO2 probe is not available in the ECO COP and ECO CAV versions.

**SILC-MINI**
Circular sound attenuator in galvanized steel The sound attenuators are used to absorb the noise in air conditioning or ventilation ducts.
Casing in galvanized steel, thickness 0,8 mm.
Mounting flange with quick attack.
Acoustic material in mineral wool 50 Kg/m³ with protection against erosion by glass fibre fire resistance M0 and extended metal sheet.

**TEJ. COVER**
Tejadillo for the bad weather

**VISC. CIRCULAR VISOR WITH BAD BIRDS**
Circular outdoor visor with anti-bird mesh, made of galvanized steel.

**FILTROS ePM1≥50% (F7)**
El medio filtrante tiene un grado de filtración ePM1≥50% (F7), según ISO 16890 y tiene una gran superficie filtrante que garantiza una larga vida útil y sustituciones menos frecuentes.

**FILTROS ePM1≥80% (F9)**
El medio filtrante tiene un grado de filtrado ePM1≥80% (F9), según ISO 16890 y tiene una gran superficie filtrante que garantiza una larga vida útil y sustituciones menos frecuentes.

**DEFROST SYSTEM (opcional)**
El sistema antiescarcha automático (opcional) suministrado con estos recuperadores consiste en una bobina eléctrica autorregulable en modo PWM de la potencia de entrada, instalada en la toma de aire de retorno.
El sistema está controlado por una sonda de temperatura especial colocada en la aspiración de aire y garantiza una reducción considerable de la potencia de entrada en comparación con los sistemas tradicionales disponibles en el mercado.

**BE. BATERÍA INTERNA DE CALENTAMIENTO ELÉCTRICO**
Disponible en opción para todas las unidades una batería eléctrica de recalentamiento interna, compuesta por calentadores eléctricos de acero blindado, suministrados con sistema de control PWM, termostato de seguridad ya cableado e instalado a bordo.

**BAC. BATERÍA EXTERNA DE AGUA CALIENTE**
Las baterías de agua caliente se suministran en una sección dedicada para instalarse en la zona de caudal de aportación. La carcasa tiene los mismos tamaños y características que la unidad principal y se fija con un kit de instalación dedicado que se suministra con ella.
Fabricada con tubos de cobre de 0,4 mm de espesor y aletas de aluminio de 0,11 mm de espesor.
Los tubos se expanden mecánicamente en las aletas de aluminio para aumentar la tasa de intercambio térmico.
Bajo pedido, es posible instalar bobinas con capacidades diferentes a las estándar, bajo previo acuerdo con fábrica.

**BAF. BATERÍA EXTERNA DE AGUA FRÍA**
Fabricada con tubos de cobre de 0,40 mm de espesor y aletas de aluminio de 0,11 mm de espesor.
Los tubos se expanden mecánicamente en las aletas de aluminio para aumentar la tasa de intercambio térmico.
Bajo pedido, es posible instalar bobinas con rendimientos térmicos diferentes a los estándar, bajo previo acuerdo con fábrica.
Se suministra con bandeja de drenaje de condensados con descarga de agua lateral.

**3WV. VÁLVULA DE CONTROL DE AGUA**
Consta de un kit que incluye la válvula de 3 vías para el control del caudal de agua, a combinar con la batería de agua caliente y/o fría, y su actuador eléctrico modulante.
Dispositivos de conexión y montaje no incluidos (a concertar por el instalador).

**SCO2-IAQ**
Sensor de CO2, temperatura y humedad relativa para la gestión de la calidad del aire
Temperatura:
- Tipo sensor: NTC.
- Rango de medida: 0,0°C a 50,0°C.
- Vida sensor: > 10 años.

Humedad relativa:
- Tipo sensor: Capacitivo con circuito electrónico integrado.
- Rango de medida: 0% a 100%.
- Vida sensor: > 10 años.

CO2 (dióxido de carbono):
- Tipo sensor: NDIR (Non-Dispersive Infrared detector). Sensor dual.
- Rango de medida: 0ppm a 2000ppm.
- Vida sensor: > 5 años.

Sensores calibrados de fábrica. Función de calibración de los sensores CO2
Las versiones de CONTROL BASIC pueden equiparse con una sonda de CO2 de calidad del aire. Este accesorio viene instalado y cableado de fábrica.
Si se instala en el conducto de aire de retorno permite determinar la cantidad de dióxido de carbono presente en el ambiente, aumentando la cantidad de aire externo para diluir su contenido.
ATENCIÓN: La sonda de CO2 no está disponible en las versiones ECO COP y ECO CAV.

**SILC-MINI**
Silenciador circular con brida en acero galvanizado
Los silenciadores se usan para reducir el rudio en los sistemas de aire acondicionado o ventilación.
Estructura en chapa de acero galvanizado, espesor 0,8 mm.
Brida de montaje con conexión rápida.
Material absorbente del sonido en densidad de lana de roca 50 kg/m³ Revestido contra la descamación del velo negro, clase resistencia al fuego M0.

**TEJ. TEJADILLO**
Tejadillo para la intemperie

**VISC. VISERA CIRCULAR CON MALA ANTIPÁJAROS**
Visera circular para intemperie con malla antipájaros, fabricada en acero galvanizado.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Model | Rated I (A) 230V | Rat. Pow. kW | Air flow Q máx. m³/h | | Weight Kg | |
|---|---|---|---|---|---|---|
| | | | ISO ePM$_1$≥50% / ISO ePM$_1$≥50% (F7/F7) | ISO ePM$_1$≥50% + ISO ePM$_1$≥80% / ISO ePM$_1$≥50% (F7+F9/F7) | H | V |
| Modelo | I nominal (A) 230V | Pot. nom. kW | Q máx. m³/h | | Peso Kg | |
| | | | ISO ePM$_1$≥50% / ISO ePM$_1$≥50% (F7/F7) | ISO ePM$_1$≥50% + ISO ePM$_1$≥80% / ISO ePM$_1$≥50% (F7+F9/F7) | H | V |
| OREQA 005 EEC | 3,1 | 0,35 | 550 | 505 | 112 | 115 |
| OREQA 006 EEC | 3,1 | 35 | 700 | 700 | 135 | 139 |
| OREQA 010 EEC | 6,2 | 0,7 | 1.085 | 1.085 | 172 | 176 |
| OREQA 015 EEC | 6,4 | 1,45 | 1.800 | 1.800 | 208 | 214 |
| OREQA 020 EEC | 6,6 | 1,5 | 2.250 | 2.380 | 252 | 258 |

## THREE PHASE RANGE | SERIE TRIFÁSICA

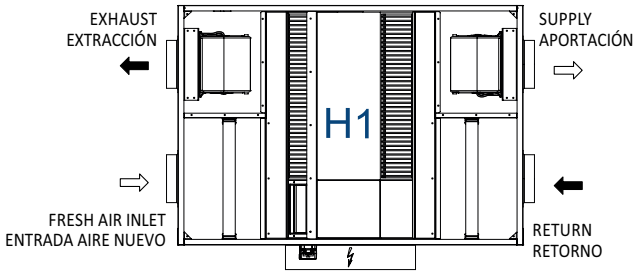
| Model | Rated I (A) 230V | Rat. Pow. kW | Air flow CFM | | Weight Kg |
|---|---|---|---|---|---|
| | | | ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) | ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) | H |
| Modelo | I nominal (A) 230V | Potencia nom. kW | Q máx. CFM | | Peso Kg |
| | | | ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) | ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) | H |
| OREQA 030 EEC | 9,2 | 2,2 | 3.400 | 3.400 | 330 |
| OREQA 040 EEC | 18,2 | 4,42 | 4.250 | 4.250 | 398 |

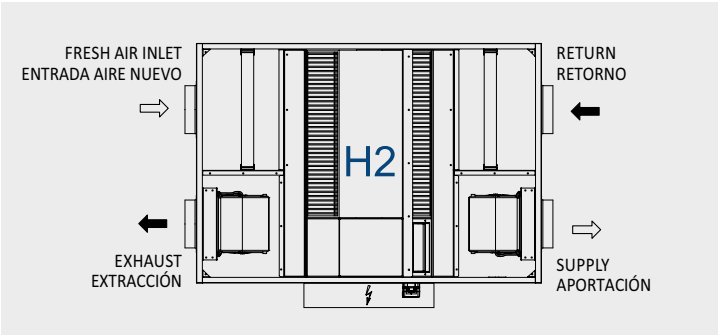
| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC HORIZONTAL** | | |
| ORQ005H2BASF7 | OREQA 005 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 4.443,80 |
| ORQ006H2BASF7 | OREQA 006 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 4.948,70 |
| ORQ010H2BASF7 | OREQA 010 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 6.097,80 |
| ORQ015H2BASF7 | OREQA 015 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 7.708,70 |
| ORQ020H2BASF7 | OREQA 020 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 8.848,00 |
| ORQ030H2BASF7 | OREQA 030 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 10.579,70 |
| ORQ040H2BASF7 | OREQA 040 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 13.409,00 |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC HORIZONTAL** | | |
| ORQ005H2BASF9 | OREQA 005 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 4.556,20 |
| ORQ006H2BASF9 | OREQA 006 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 5.153,40 |
| ORQ010H2BASF9 | OREQA 010 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 6.302,40 |
| ORQ015H2BASF9 | OREQA 015 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 8.061,80 |
| ORQ020H2BASF9 | OREQA 020 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 9.201,10 |
| ORQ030H2BASF9 | OREQA 030 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 10.974,80 |
| ORQ040H2BASF9 | OREQA 040 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 13.803,90 |
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP HORIZONTAL** | | |
| ORQ005H2COPF7 | OREQA 005 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 5.008,60 |
| ORQ006H2COPF7 | OREQA 006 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 5.513,70 |
| ORQ010H2COPF7 | OREQA 010 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 6.662,70 |
| ORQ015H2COPF7 | OREQA 015 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 8.273,60 |
| ORQ020H2COPF7 | OREQA 020 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 9.412,90 |
| ORQ030H2COPF7 | OREQA 030 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 11.144,60 |
| ORQ040H2COPF7 | OREQA 040 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 13.973,90 |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP HORIZONTAL** | | |
| ORQ005H2COPF9 | OREQA 005 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 5.121,20 |
| ORQ006H2COPF9 | OREQA 006 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 5.718,40 |
| ORQ010H2COPF9 | OREQA 010 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 6.867,30 |
| ORQ015H2COPF9 | OREQA 015 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 8.626,50 |
| ORQ020H2COPF9 | OREQA 020 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 9.765,90 |
| ORQ030H2COPF9 | OREQA 030 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 11.539,60 |
| ORQ040H2COPF9 | OREQA 040 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 14.368,80 |
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV HORIZONTAL** | | |
| ORQ005H2CAVF7 | OREQA 005 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 5.008,60 |
| ORQ006H2CAVF7 | OREQA 006 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 5.513,70 |
| ORQ010H2CAVF7 | OREQA 010 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 6.662,70 |
| ORQ015H2CAVF7 | OREQA 015 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 8.273,60 |
| ORQ020H2CAVF7 | OREQA 020 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 9.412,90 |
| ORQ030H2CAVF7 | OREQA 030 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 11.144,60 |
| ORQ040H2CAVF7 | OREQA 040 EEC H2 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 13.973,90 |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV HORIZONTAL** | | |
| ORQ005H2CAVF9 | OREQA 005 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 5.121,20 |
| ORQ006H2CAVF9 | OREQA 006 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 5.718,40 |
| ORQ010H2CAVF9 | OREQA 010 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 6.867,30 |
| ORQ015H2CAVF9 | OREQA 015 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 8.626,50 |
| ORQ020H2CAVF9 | OREQA 020 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 9.765,90 |
| ORQ030H2CAVF9 | OREQA 030 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 11.539,60 |
| ORQ040H2CAVF9 | OREQA 040 EEC H2 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 14.368,80 |

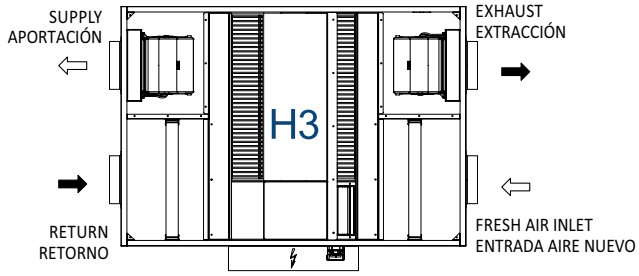
| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC VERTICAL** | | |
| ORQ005V1BASF7 | OREQA 005 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 4.551,50 |
| ORQ006V1BASF7 | OREQA 006 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 5.068,50 |
| ORQ010V1BASF7 | OREQA 010 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 6.205,50 |
| ORQ015V1BASF7 | OREQA 015 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 7.816,40 |
| ORQ020V1BASF7 | OREQA 020 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | 8.967,70 |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC VERTICAL** | | |
| ORQ005V1BASF9 | OREQA 005 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 4.664,00 |
| ORQ006V1BASF9 | OREQA 006 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 5.273,10 |
| ORQ010V1BASF9 | OREQA 010 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 6.410,10 |
| ORQ015V1BASF9 | OREQA 015 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 8.169,40 |
| ORQ020V1BASF9 | OREQA 020 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | 9.320,70 |
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP VERTICAL** | | |
| ORQ005V1COPF7 | OREQA 005 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 5.116,40 |
| ORQ006V1COPF7 | OREQA 006 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 5.633,40 |
| ORQ010V1COPF7 | OREQA 010 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 6.770,40 |
| ORQ015V1COPF7 | OREQA 015 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 8.381,20 |
| ORQ020V1COPF7 | OREQA 020 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | 9.532,50 |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP VERTICAL** | | |
| ORQ005V1COPF9 | OREQA 005 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 5.228,80 |
| ORQ006V1COPF9 | OREQA 006 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 5.838,10 |
| ORQ010V1COPF9 | OREQA 010 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 6.975,00 |
| ORQ015V1COPF9 | OREQA 015 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 8.734,40 |
| ORQ020V1COPF9 | OREQA 020 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | 9.885,60 |
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV VERTICAL** | | |
| ORQ005V1CAVF7 | OREQA 005 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 5.116,40 |
| ORQ006V1CAVF7 | OREQA 006 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 5.633,40 |
| ORQ010V1CAVF7 | OREQA 010 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 6.770,40 |
| ORQ015V1CAVF7 | OREQA 015 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 8.381,20 |
| ORQ020V1CAVF7 | OREQA 020 EEC V1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | 9.532,50 |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV VERTICAL** | | |
| ORQ005V1CAVF9 | OREQA 005 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 5.228,80 |
| ORQ006V1CAVF9 | OREQA 006 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 5.838,10 |
| ORQ010V1CAVF9 | OREQA 010 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 6.975,00 |
| ORQ015V1CAVF9 | OREQA 015 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 8.734,40 |
| ORQ020V1CAVF9 | OREQA 020 EEC V1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | 9.885,60 |

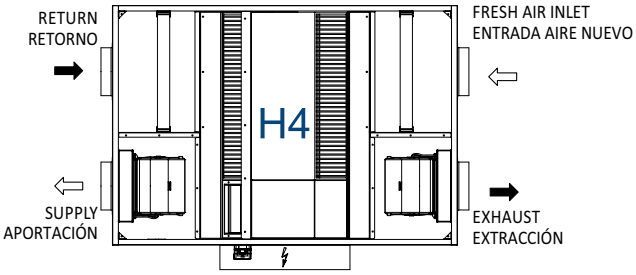
## HORIZONTAL CONFIGURATION | CONFIGURACIÓN HORIZONTAL

### STANDARD H2 CONFIGURATION / CONFIGURACIÓN ESTÁNDAR H2



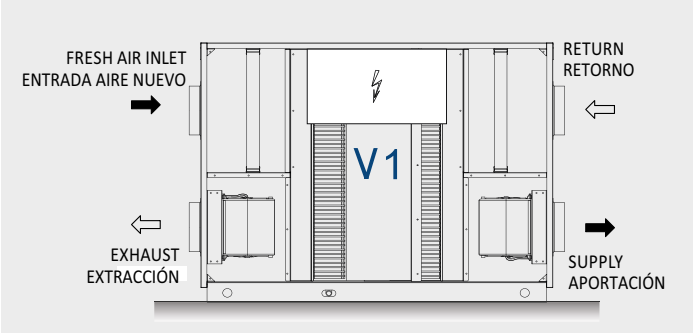



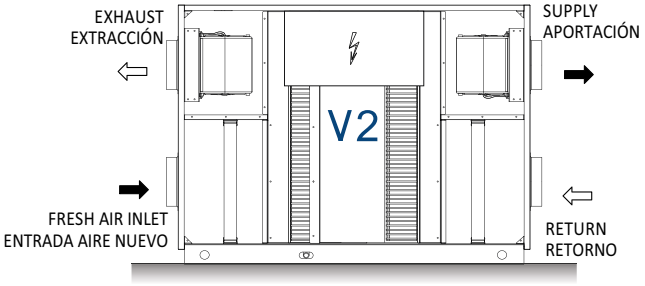



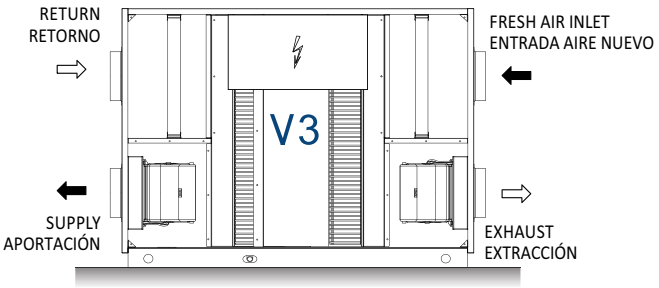



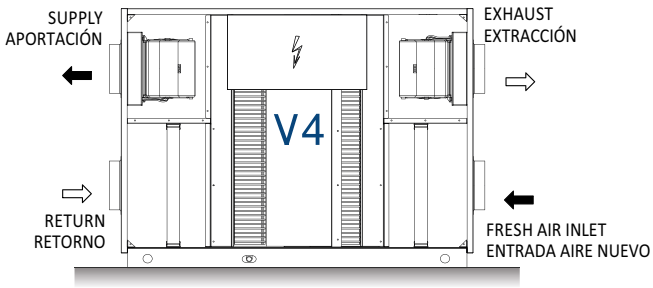

## VERTICAL CONFIGURATION | CONFIGURACIÓN VERTICAL

### STANDARD V1 CONFIGURATION / CONFIGURACIÓN ESTÁNDAR V1



# QUANTICA EEC



83%

EEC PM motors

## VERTICAL COUNTER FLOW HEAT RECOVERY UNIT AND EC MOTOR. EFFICIENCY 83%

### MANUFACTURING FEATURES

Fully complying with the requirements of Ecodesign Regulation No. 1253/2014/EU, in force since January 2018, the devices of the QUANTICA EEC range guarantee high standards of comfort and health, optimizing the global energy balance and with a proportionally low consumption. The services are certified by the European certification body EUROVENT.

CHASSIS

Profiles 50 x 50 mm in self-supporting anodized extruded aluminum, with mechanical resistance requirements according to EN 1886: D1 (M). On request, 50mm panel, L1 classification
50 mm thick double-walled sandwich-type panels with pre-painted RAL 9010 galvanized steel sheet exterior and hot-dip galvanized steel sheet interior with 40 Kg / m³ density rock wool insulation.
Opening panels equipped with perimeter hinges made of anti-corrosion plastic material and latches with handles for quicker and easier access to internal components. The safety microswitches, applied to the inspection doors, allow access only to completely switched off units.
Structure with sealing class L1.
Thermal transmittance and thermal bridge characteristic is class T3/TB4 according to EN1886.

HEAT EXCHANGER

Each unit is equipped with an aluminum counter flow heat exchanger that is used to transfer heat from the extracted air to the fresh air. The heat exchange is carried out in countercurrent with an efficiency higher than 80% in dry air.
The spacing between the fins is optimized to reduce air side pressure drop and fan power consumption.
In some conditions of low outside air temperature and high humidity, the exchanger may start to freeze. The units are equipped with a defrosting system required in case of very low ambient conditions. The defrosting system can be electric or hot water.
The heat recovery is also equipped with an additional bypass damper for the management of free-cooling and free-heat mode.
The heat exchanger participates in the Eurovent Certification program and is dimensioned according to the ECO Design specification.

FILTERS

Each QUANTICA EEC series recuperator is equipped with rigid bag filters: 1 filter ePM1≥50% (F7) in extraction and another ePM1≥50% (F7) in contribution.
Optionally, an ePM1≥80% (F9) filter can be ordered in discharge.
Both types of filters are mounted in guides equipped with gaskets to ensure effective sealing.
Its position, upstream of the internal components, also guarantees its protection.

MOTOR-FANS

High efficiency plug-fan type. They comply with the requirements of the Ecological Design Regulation No. 327/2011/EU.
Attached to the support frame by self-centering brackets to ensure the correct distance between the impeller and the nozzle and thus optimize performance. All fans are driven by electronically commutated motors (brushless EC), thermally protected and regulated by a 0-10V modulating signal to ensure the achievement of the most suitable performance for the needs of the system, optimizing performance.

ELECTRONIC CONTROL

Supplied with an advanced electronic display, which includes temperature probes in the external air inlet and the ambient air inlet, which supervises their operation. The user interface consists of a remote control panel with an LCD display.
There are 3 control modes, all with Modbus communication protocol to integrate the unit into the most modern home automation systems through the RS485 serial port, supplied as standard.
• BASIC control
• EVO COP control
• EVO CAV control

BYPASS

Full bypass (100%) automatic.

## RECUPERADOR DE CALOR VERTICAL DE CONTRAFLUJO Y MOTOR EC. EFICIENCIA 83%

### CARACTERÍSTICAS CONSTRUCTIVAS

Cumpliendo plenamente con los requisitos del Reglamento de Ecodiseño Nº 1253/2014/UE, en vigor desde enero de 2018, los dispositivos de la gama QUANTICA EEC garantizan altos estándares de confort y salubridad optimizando el balance energético global y con un consumo proporcionalmente bajo. Los servicios están certificados por el organismo de certificación europeo EUROVENT.

CHASIS

Perfiles 50 x 50 mm en aluminio extruido anodizado autoportante, con requisitos de resistencia mecánica según EN 1886: D1 (M). Bajo demanda, panel de 50mm clasificación L1.
Paneles tipo sándwich de doble pared de 50 mm de espesor con exterior de chapa de acero galvanizado RAL 9010 prepintado e interior de chapa de acero galvanizado en caliente con aislamiento de lana de roca de 40 Kg/m³ de densidad.
Paneles de apertura equipados con bisagras perimetrales hechas de material plástico anticorrosivo y cierres con asas para un acceso más rápido y fácil a los componentes internos. Los microinterruptores de seguridad, aplicados a las puertas de inspección, permiten el acceso solo a unidades completamente apagadas.
Estructura con clase de sellado L1.
La transmitancia térmica y la característica de puente térmico es de clase T3/TB4 según EN1886.

INTERCAMBIADOR DE CALOR

Cada unidad está equipada con un intercambiador de calor de contraflujo de aluminio que se utiliza para transferir el calor del aire extraído al aire nuevo. El intercambio de calor se realiza en contracorriente con una eficiencia superior al 80% en aire seco.
El espacio entre las aletas se optimiza para reducir la caída de presión del lado del aire y el consumo de energía del ventilador.
En algunas condiciones de baja temperatura del aire exterior y alta humedad, el intercambiador puede comenzar a congelarse. Las unidades están equipadas con un sistema de descongelación requerido en caso de condiciones ambientales muy bajas. El sistema de descongelación puede ser eléctrico o por agua caliente.
La recuperación de calor también está equipada con una compuerta de derivación adicional para el gestión del modo free-cooling y free-heat.
El intercambiador de calor participa en el programa de Certificación Eurovent y está dimensionado según la especificación ECO Design.

FILTROS

Cada recuperador de la serie QUANTICA EEC está equipado con filtros de bolsa rígidos: 1 filtro ePM1≥50% (F7) en extracción y otro ePM1≥50% (F7) en aportación.
Opcionalmente, puede solicitarse un filtro ePM1≥80% (F9) en impulsión.
Ambos tipos de filtros se montan en guías equipadas con juntas para garantizar un sellado eficaz.
Su posición, aguas arriba de los componentes internos, también garantiza su protección.

MOTO-VENTILADORES

De tipo plug-fan de alta eficiencia. Cumplen con los requisitos del Reglamento de Diseño Ecológico Nº 327/2011/UE.
Unidos al marco de soporte mediante soportes autocentrantes para garantizar la distancia correcta entre el impulsor y la boquilla y así optimizar el rendimiento. Todos los ventiladores son accionados por motores conmutados electrónicamente (EC sin escobillas), protegidos térmicamente y regulados mediante una señal modulante de 0-10V para asegurar la consecución del rendimiento más adecuado a las necesidades del sistema optimizando el rendimiento.

CONTROL ELECTRÓNICO

Suministrados con una display electrónico avanzado, que incluye sondas de temperatura en la entrada de aire externa y la entrada de aire ambiente, que supervisa su funcionamiento. La interfaz de usuario consiste en un panel de control remoto con pantalla LCD.
Existen 3 modalidades de control, todos con protocolo de comunicación Modbus para integrar la unidad en los sistemas domóticos más modernos a través del puerto serie RS485, suministrado

RANGE
5 construction sizes.
Ø355 and Ø400 circular connection for 045 and 060 models; rectangular mouth for all other sizes.
Vertical configuration.
Flow rates max of 4.500 to 13.000 m³/h.
Not configurable.
3 controls with Modbus.

**APPLICATIONS**
Designed for outdoor installation for residential, commercial and industrial environments.
In full compliance with the requirements of the Ecodesign Regulation No. 1253/2014/EU, in force since January 2018, the devices of the QUANTICA EEC range guarantee high standards of comfort and health in enslaved environments, optimizing the general energy balance and against a particularly low power consumption.
Suggested minimum outdoor temperature of -5 ° C.

de serie de serie.
• Control BASIC
• Control EVO COP
• Control EVO CAV

BYPASS
Bypass total (100% ) automático

GAMA
5 tamaños constructivos.
Conexión circular Ø355 y Ø400 para modelos 045 y 060; boca rectangular para el resto de tamaños.
Configuración vertical.
Caudales máximos de 4.500 a 13.000 m³/h.
No configurable.
3 controles con Modbus.

**APLICACIONES**
Diseñados para instalación en intemperie para entornos residenciales, comerciales e industriales.
En pleno cumplimiento de los requisitos del Reglamento de Ecodiseño Nº 1253/2014/UE, en vigor desde enero de 2018, los dispositivos de la gama QUANTICA EEC garantizan altos estándares de confort y salubridad de los entornos esclavizados optimizando el balance energético general y frente a un consumo de energía particularmente bajo.
Temperatura mínima exterior sugerida de -5 ° C.

## ACCESSORIES | ACCESORIOS QUANTICA EEC

### 3WV
3 way valve /
Válvula de 3 vías



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| 3WV045 | KIT VÁLVULA 3 VIAS MODULANTE QUANTICA 045 | QUANTICA 045 EEC | **1.547,50** |
| 3WV060 | KIT VÁLVULA 3 VIAS MODULANTE QUANTICA 060 | QUANTICA 060 EEC | **1.579,20** |
| 3WV100 | KIT VÁLVULA 3 VIAS MODULANTE QUANTICA 080 & 100 | QUANTICA 080 & 100 EEC | **1.898,20** |
| 3WV130 | KIT VÁLVULA 3 VIAS MODULANTE QUANTICA 130 | QUANTICA 130 EEC | **2.295,00** |

### TEJ
Weather protective roof for QUANTICA EEC recovery unit /
Tejadillo para intemperie para recuperadores QUANTICA EEC



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| A-TEJQTC045 | TEJ QUANTICA 045 | QUANTICA 045 EEC | **318,40** |
| A-TEJQTC060 | TEJ QUANTICA 060 | QUANTICA 060 EEC | **449,80** |
| A-TEJQTC047 | TEJ QUANTICA 080 | QUANTICA 080 EEC | **514,90** |
| A-TEJQTC048 | TEJ QUANTICA 100 | QUANTICA 100 EEC | **563,30** |
| A-TEJQTC049 | TEJ QUANTICA 130 | QUANTICA 130 EEC | **669,90** |

### SCO2
$Co_2$, temperature, relative humidity sensor /
Sensor de $CO_2$, temperatura y humedad relativa para la gestión de la calidad del aire



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| SCO2 | SCO2 IAQ | OREQA EEC, QUANTICA EEC | **622,20** |

### SILC-MINI
Circular sound attenuator in galvanized steel /
Silenciador circular con brida en acero galvanizado



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| SILCM355 | SILC-MINI 355 | QUANTICA 045 EEC | **383,40** |
| SILCM400 | SILC-MINI 400 | QUANTICA 060 EEC | **397,90** |

### SIL-RECT
Silencer /
Silenciador



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| SILRC080 | SIL-RECT QUANTICA 080 | QUANTICA 080 EEC | **2.775,60** |
| SILRC100 | SIL-RECT QUANTICA 100 | QUANTICA 100 EEC | **3.027,90** |
| SILRC130 | SIL-RECT QUANTICA 130 | QUANTICA 130 EEC | **3.077,80** |

## VIS

Outdoor flange with bird guard /
Visera para intemperie con malla antipájaros



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| VIS080 | VIS QUANTICA 080 | QUANTICA 080 EEC | **772.00** |
| VIS130 | VIS QUANTICA 100 & 130 | QUANTICA 100 & 130 EEC | **870.90** |

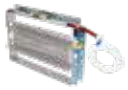
## VISC

Circular outdoor flange with bird guard /
Visera para intemperie con malla antipájaros para boca circular.



| Code / Código | Model / Modelo | Application / Aplicaciones | R.R.P € / P.V.P € |
|---|---|---|---|
| FX0050066 | VISC Ø 355 | QUANTICA 045 EEC | **116.70** |
| FX0045452 | VISC Ø 400 | QUANTICA 060 EEC | **141.20** |

## DEFROST SYSTEM / SISTEMA DEFROST



| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| DEF07QTC045 | DEFROST SYSTEM 7,5 kW QUANTICA 045 | **1.415,80** |
| DEF10QTC060 | DEFROST SYSTEM 10,0 kW QUANTICA 060 | **1.742,70** |
| DEF15QTC080 | DEFROST SYSTEM 15,0 kW QUANTICA 080 | **1.975,90** |
| DEF18QTC100 | DEFROST SYSTEM 18,0 kW QUANTICA 100 | **2.534,90** |
| DEF18QTC130 | DEFROST SYSTEM 25,0 kW QUANTICA 130 | **3.172,80** |

## BE

Electric coil /
Batería eléctrica



| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| BE PRE | | |
| BEPR07QTC045 | BE PRE 7,5 kW QUANTICA 045 | **1.415,80** |
| BEPR10QTC060 | BE PRE 10,0 kW QUANTICA 060 | **1.742,70** |
| BEPR15QTC080 | BE PRE 15,0 kW QUANTICA 080 | **1.975,90** |
| BEPR18QTC100 | BE PRE 18,0 kW QUANTICA 100 | **2.534,90** |
| BEPR18QTC130 | BE PRE 25,0 kW QUANTICA 130 | **3.172,80** |
| BE POST | | |
| BEPT07QTC045 | BE POST 15,0 kW QUANTICA 045 | **1.990,40** |
| BEPT10QTC060 | BE POST 20,0 kW QUANTICA 060 | **2.488,70** |
| BEPT15QTC080 | BE POST 30,0 kW QUANTICA 080 | **3.367,90** |
| BEPT18QTC100 | BE POST 35,0 kW QUANTICA 100 | **4.215,50** |
| BEPT18QTC130 | BE POST 45,0 kW QUANTICA 130 | **5.366,20** |

## BAC

Hot water coil /
Batería de agua caliente



| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| BACQTC045 | BAC QUANTICA 045 | **1.290,50** |
| BACQTC060 | BAC QUANTICA 060 | **1.664,80** |
| BACQTC080 | BAC QUANTICA 080 | **2.022,00** |
| BACQTC100 | BAC QUANTICA 100 | **2.403,00** |
| BACQTC130 | BAC QUANTICA 130 | **2.465,00** |
| BACPQTC045 | BAC PLUS QUANTICA 045 | **1.766,30** |
| BACPQTC060 | BAC PLUS QUANTICA 060 | **2.273,90** |
| BACPQTC080 | BAC PLUS QUANTICA 080 | **2.755,00** |
| BACPQTC100 | BAC PLUS QUANTICA 100 | **3.282,30** |
| BACPQTC130 | BAC PLUS QUANTICA 130 | **3.367,90** |

## BAF

Cold water coil /
Batería de agua fría



| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| BAFQTC045 | BAF QUANTICA 045 | **3.950,60** |
| BAFQTC060 | BAF QUANTICA 060 | **4.564,80** |
| BAFQTC080 | BAF QUANTICA 080 | **5.661,50** |
| BAFQTC100 | BAF QUANTICA 100 | **6.331,10** |
| BAFQTC130 | BAF QUANTICA 130 | **8.353,20** |

## QUANTICA EEC FILTERS |
## FILTROS PARA QUANTICA EEC



### CHEF

High efficiency, rigid and compact filters /
Filtro compacto rígido de alta eficacia

### KIT ePM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € * |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € * |
| KFILTF07002 | 2 uds 592x490x48 | QUANTICA 045 EEC | 4200 | 90 | **360,20** |
| KFILTF07003 | 2 uds 592x592x48 | QUANTICA 060 EEC | 5100 | 90 | **409,80** |
| KFILTF07004 | 3 uds (592x490x48+592x287x48) | QUANTICA 080 EEC | 11500 | 110 | **611,20** |
| KFILTF07005 | 3 uds (592x592x48+592x287x48) | QUANTICA 130 EEC | 13000 | 110 | **1.021,00** |



### CHEF2

Rigid and compact filter with high efficiency and low pressure drop /
Filtro compacto rígido de alta eficacia y baja pérdida de carga

### KIT ePM1≥80% (F9)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € * |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € * |
| KFILTF09002 | 2 uds 592x490x292 | QUANTICA 045 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) | 5600 | 110 | **409,80** |
| KFILTF09003 | 2 uds 592x592x292 | QUANTICA 060 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) | 6800 | 110 | **468,00** |
| KFILTF09004 | 3 uds (592x490x292+592x287x292) | QUANTICA 100 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) | 9500 | 120 | **703,40** |
| KFILTF09005 | 3 uds (592x592x292+592x287x292) | QUANTICA 130 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) | 11250 | 120 | **1.154,30** |

* Filter prices correspond to complete kits. Each kit contains all the filters required by each QUANTICA EEC recovery unit.
* Los precios de los filtros corresponden a kits completos. Cada kit contiene todos los filtros que requiere cada recuperador QUANTICA EEC.

## CONTROLS AVAILABLE

### BASIC CONTROL

Constructively:
Includes white BASIC Deported Screen.
Includes flow and extraction temperature sensors.
Includes differential pressure switch (INT PS).

Software:
Integration to a BMS system via MODBUS RS485.
It allows to control the speed of the impulsion and extraction fans.
Automatic management of the motorized on / off bypass damper.
Summer / Winter changeover management.
Daily programming.
Filters clogging control through differential pressure int.
It allows the management of a hot or cold water coil through a 3-way valve.
It allows the management of a post electric battery with PWM (modulated).
It allows the management of variable flow through a CO2 probe. The CO2 probe can be factory wired - VAV

### EVO COP CONTROL

Constructively:
Includes white BASIC Deported Screen.
Includes flow and extraction temperature sensors.
Includes differential pressure switch (INT PS).
Includes 1 or 2 DPT differential pressure probes.

Software:
Control designed to work at Constant Pressure - COP.
Integration to a BMS system via MODBUS RS485.
It allows to control the speed of the impulsion and extraction fans.
Automatic management of the motorized on / off bypass damper.
Summer / Winter changeover management.
Daily programming.
Filters clogging control through differential pressure probes.
It allows the management of a hot or cold water coil through a 3-way valve.
It allows the management of a post electric battery with PWM (modulated).

### EVO CAV CONTROL

Constructively:
Includes white BASIC Deported Screen.
Includes flow and extraction temperature sensors.
Includes differential pressure switch (INT PS).
Includes 1 or 2 DPT differential pressure probes.

Software:
Control designed to work at constant flow - CAV.
Integration to a BMS system via MODBUS RS485.
It allows to control the speed of the impulsion and extraction fans.
Automatic management of the motorized on / off bypass damper.
Summer / Winter changeover management.
Daily programming.
Filters clogging control through differential pressure probes.
It allows the management of a hot or cold water coil through a 3-way valve.
It allows the management of a post electric battery with PWM (Modulated).

## CONTROLES DISPONIBLES

### CONTROL BASIC

Constructivamente:
Incluye Pantalla Deportada BASIC blanca.
Incluye sensores de temperatura en impulsión y extracción.
Incluye interruptor de presión diferencial (INT PS).

Software:
Integración a un sistema BMS vía MODBUS RS485.
Permite controlar la velocidad de los ventiladores de impulsión y extracción.
Gestión automática de la compuerta motorizada on/off del bypass.
Gestión changeover Verano/Invierno.
Programación diaria.
Control de colmatación de los filtros a través de las int de presión diferencial.
Permite la gestión de una batería de agua fría o caliente mediante una válvula de 3 vías.
Permite la gestión de una batería post eléctrica con PWM (modulada).
Permite la gestión de caudal variable mediante una sonda de CO2. La sonda de CO2 puede venir cableada de fábrica - VAV

### CONTROL EVO COP

Constructivamente:
Incluye Pantalla Deportada BASIC blanca.
Incluye sensores de temperatura en impulsión y extracción.
Incluye interruptor de presión diferencial (INT PS).
Incluye 1 o 2 sondas de presión diferencial DPT.

Software:
Control diseñado para trabajar a Presión Constante - COP.
Integración a un sistema BMS vía MODBUS RS485.
Permite controlar la velocidad de los ventiladores de impulsión y extracción.
Gestión automática de la compuerta motorizada on/off del bypass.
Gestión changeover Verano/Invierno.
Programación diaria.
Control de colmatación de los filtros a través de las sondas de presión diferencial.
Permite la gestión de una batería de agua fría o caliente mediante una válvula de 3 vías.
Permite la gestión de una batería post eléctrica con PWM (modulada).

### CONTROL EVO CAV

Constructivamente:
Incluye Pantalla Deportada BASIC blanca.
Incluye sensores de temperatura en impulsión y extracción.
Incluye interruptor de presión diferencial (INT PS).
Incluye 1 o 2 sondas de presión diferencial DPT.

Software:
Control diseñado para trabajar a caudal constante - CAV.
Integración a un sistema BMS vía MODBUS RS485.
Permite controlar la velocidad de los ventiladores de impulsión y extracción.
Gestión automática de la compuerta motorizada on/off del bypass.
Gestión changeover Verano/Invierno.
Programación Diaria.
Control de colmatación de los filtros a través de las sondas de presión diferencial.
Permite la gestión de una batería de agua fría o caliente mediante una válvula de 3 vías.
Permite la gestión de una batería post eléctrica con PWM (Modulada).



**FILTERS ePM1≥50% (F7)**
The filter medium has a filtration degree ePM1≥50% (F7), according to ISO 16890 and has a large filter surface that guarantees a long service life and less frequent replacements.

**FILTERS ePM1≥80% (F9)**
The filter medium has a filtration degree ePM1≥80% (F9), according to ISO 16890 and has a large filter surface that guarantees a long service life and less frequent replacements.

**DEFROST SYSTEM (optional)**
The automatic antifreeze system (optional) supplied with these recuperators consists of a self-regulating electric coil in PWM mode of the input power, installed in the return air intake.
The system is controlled by a special temperature probe placed in the air intake and guarantees a considerable reduction in input power compared to traditional systems available on the market.

**BE. INTERNAL ELECTRIC HEATING COIL**
Available as an option for all units an internal reheating electric coil, composed of armored steel electric heaters, supplied with PWM control system, safety thermostat already wired and installed on board.

**BAC. INTERNAL HOT WATER COIL**
The hot water coils are supplied in a dedicated section to be installed in the make-up flow zone. The case has the same sizes and features as the main unit and is fixed with a dedicated installation kit supplied with it.
Made with 0.4mm thick copper tubes and 0.11mm thick aluminum fins.
The tubes are mechanically expanded on the aluminum fins to increase the rate of heat exchange.
Upon request, it is possible to install coils with capacities different from the standard ones, under previous agreement with the factory.

**BAF. INTERNAL COLD WATER COIL**
Made with 0.40 mm thick copper tubes and 0.11 mm thick aluminum fins.
The tubes are mechanically expanded on the aluminum fins to increase the rate of heat exchange.
Upon request, it is possible to install coils with thermal performances different from the standard ones, under previous agreement with the factory.
Supplied with condensate drainage tray with lateral water discharge.

**3WV. WATER CONTROL VALVE**
It consists of a kit that includes the 3-way valve to control the water flow, to be combined with the hot and / or cold water coil, and its modulating electric actuator.
Connection and mounting devices not included (to be arranged by the installer).

**SCO2-IAQ**
CO2, temperature and relative humidity sensor for air quality management
Temperature:
- Sensor type: NTC.
- Measuring range: 0.0ºC to 50.0ºC.
- Sensor life:> 10 years.

RH:
- Sensor type: Capacitive with integrated electronic circuit.
- Measurement range: 0% to 100%.
- Sensor life:> 10 years.

CO2 (carbon dioxide):
- Sensor type: NDIR (Non-Dispersive Infrared detector). Dual sensor.
- Measurement range: 0ppm to 2000ppm.
- Sensor life:> 5 years.

Factory calibrated sensors. CO2 sensor calibration function
CONTROL BASIC versions can be equipped with an air quality CO2 probe. This accessory is factory installed and wired.
If installed in the return air duct, it allows determining the amount of carbon dioxide present in the environment, increasing the amount of external air to dilute its content.
ATTENTION: The CO2 probe is not available in the ECO COP and ECO CAV versions.

**SILC-MINI + SIL-RECT**
Circular/rectangular sound attenuator in galvanized steel The sound attenuators are used to absorb the noise in air conditioning or ventilation ducts.
Casing in galvanized steel, thickness 0,8 mm.
Mounting flange with quick attack.
Acoustic material in mineral wool 50 Kg /m³ with protection against erosion by glass fibre fire resistance M0 and extended metal sheet.

**TEJ. COVER**
Tejadillo for the bad weather

**FILTROS ePM1≥50% (F7)**
El medio filtrante tiene un grado de filtración ePM1≥50% (F7), según ISO 16890 y tiene una gran superficie filtrante que garantiza una larga vida útil y sustituciones menos frecuentes.

**FILTROS ePM1≥80% (F9)**
El medio filtrante tiene un grado de filtrado ePM1≥80% (F9), según ISO 16890 y tiene una gran superficie filtrante que garantiza una larga vida útil y sustituciones menos frecuentes.

**DEFROST SYSTEM (opcional)**
El sistema antiescarcha automático (opcional) suministrado con estos recuperadores consiste en una bobina eléctrica autorregulable en modo PWM de la potencia de entrada, instalada en la toma de aire de retorno.
El sistema está controlado por una sonda de temperatura especial colocada en la aspiración de aire y garantiza una reducción considerable de la potencia de entrada en comparación con los sistemas tradicionales disponibles en el mercado.

**BE. BATERÍA INTERNA DE CALENTAMIENTO ELÉCTRICO**
Disponible en opción para todas las unidades una batería eléctrica de recalentamiento interna, compuesta por calentadores eléctricos de acero blindado, suministrados con sistema de control PWM, termostato de seguridad ya cableado e instalado a bordo.

**BAC. BATERÍA INTERNA DE AGUA CALIENTE**
Las baterías de agua caliente se suministran en una sección dedicada para instalarse en la zona de caudal de aportación. La carcasa tiene los mismos tamaños y características que la unidad principal y se fija con un kit de instalación dedicado que se suministra con ella.
Fabricada con tubos de cobre de 0,4 mm de espesor y aletas de aluminio de 0,11 mm de espesor.
Los tubos se expanden mecánicamente en las aletas de aluminio para aumentar la tasa de intercambio térmico.
Bajo pedido, es posible instalar bobinas con capacidades diferentes a las estándar, bajo previo acuerdo con fábrica.

**BAF. BATERÍA INTERNA DE AGUA FRÍA**
Fabricada con tubos de cobre de 0,40 mm de espesor y aletas de aluminio de 0,11 mm de espesor.
Los tubos se expanden mecánicamente en las aletas de aluminio para aumentar la tasa de intercambio térmico.
Bajo pedido, es posible instalar bobinas con rendimientos térmicos diferentes a los estándar, bajo previo acuerdo con fábrica.
Se suministra con bandeja de drenaje de condensados con descarga de agua lateral.

**3WV. VÁLVULA DE CONTROL DE AGUA**
Consta de un kit que incluye la válvula de 3 vías para el control del caudal de agua, a combinar con la batería de agua caliente y/o fría, y su actuador eléctrico modulante.
Dispositivos de conexión y montaje no incluidos (a concertar por el instalador).

**SCO2-IAQ**
Sensor de CO2, temperatura y humedad relativa para la gestión de la calidad del aire
Temperatura:
- Tipo sensor: NTC.
- Rango de medida: 0,0ºC a 50,0ºC.
- Vida sensor: > 10 años.

Humedad relativa:
- Tipo sensor: Capacitivo con circuito electrónico integrado.
- Rango de medida: 0% a 100%.
- Vida sensor: > 10 años.

CO2 (dióxido de carbono):
- Tipo sensor: NDIR (Non-Dispersive Infrared detector). Sensor dual.
- Rango de medida: 0ppm a 2000ppm.
- Vida sensor: > 5 años.

Sensores calibrados de fábrica. Función de calibración de los sensores CO2
Las versiones de CONTROL BASIC pueden equiparse con una sonda de CO2 de calidad del aire. Este accesorio viene instalado y cableado de fábrica.
Si se instala en el conducto de aire de retorno permite determinar la cantidad de dióxido de carbono presente en el ambiente, aumentando la cantidad de aire externo para diluir su contenido.
ATENCIÓN: La sonda de CO2 no está disponible en las versiones ECO COP y ECO CAV.

**SILC-MINI + SIL-RECT**
Silenciador circular/rectangular con brida en acero galvanizado
Los silenciadores se usan para reducir el rudio en los sistemas de aire acondicionado o ventilación.
Estructura en chapa de acero galvanizado, espesor 0,8 mm.
Brida de montaje con conexión rápida.
Material absorbente del sonido en densidad de lana de roca 50 kg/m³ Revestido contra la descamación del velo negro, clase resistencia al fuego M0.

**VIS & VISC. VISOR WITH BAD BIRDS**
Circular/rectangular outdoor visor with anti-bird mesh, made of galvanized steel.

**TEJ. TEJADILLO**
Tejadillo para la intemperie

**VIS & VISC. VISERA CON MALA ANTIPÁJAROS**
Visera circular/rectangular para intemperie con malla antipájaros, fabricada en acero galvanizado.

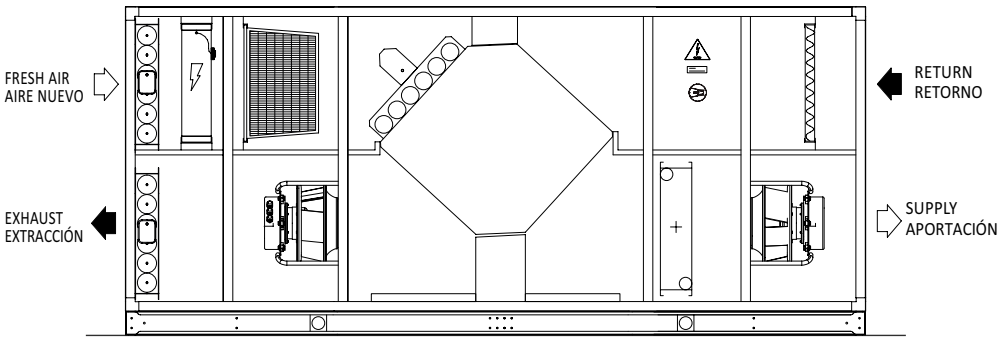
## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Model<br>Modelo | Rat.Pow. kW<br>Pot. nom. kW | Air flow m³/h<br>Q máx. m³/h | Sound dB (A)<br>Sonido dB (A) | Weight Kg<br>Peso Kg |
|---|---|---|---|---|
| QUANTICA 045 EEC | 3,8 | 4.500 | 42 | 643 |
| QUANTICA 060 EEC | 5 | 6.000 | 42 | 825 |
| QUANTICA 080 EEC | 5,80 | 8.000 | 45 | 1078 |
| QUANTICA 100 EEC | 6,90 | 10.000 | 46 | 1173 |
| QUANTICA 130 EEC | 10 | 13.000 | 40 | 1426 |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC** | | |
| QTC045H1BASF7 | QUANTICA 045 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | **22.201,90** |
| QTC060H1BASF7 | QUANTICA 060 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | **25.221,40** |
| QTC080H1BASF7 | QUANTICA 080 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | **31.308,30** |
| QTC100H1BASF7 | QUANTICA 100 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | **34.215,40** |
| QTC130H1BASF7 | QUANTICA 130 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) BASIC | **50.092,20** |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC** | | |
| QTC045H1BASF9 | QUANTICA 045 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | **22.547,80** |
| QTC060H1BASF9 | QUANTICA 060 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | **25.616,40** |
| QTC080H1BASF9 | QUANTICA 080 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | **31.831,30** |
| QTC100H1BASF9 | QUANTICA 100 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | **34.809,00** |
| QTC130H1BASF9 | QUANTICA 130 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) BASIC | **51.066,40** |
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP** | | |
| QTC045H1COPF7 | QUANTICA 045 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | **22.738,00** |
| QTC060H1COPF7 | QUANTICA 060 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | **25.758,80** |
| QTC080H1COPF7 | QUANTICA 080 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | **31.844,50** |
| QTC100H1COPF7 | QUANTICA 100 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | **34.752,70** |
| QTC130H1COPF7 | QUANTICA 130 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO COP | **50.628,30** |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP** | | |
| QTC045H1COPF9 | QUANTICA 045 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | **23.083,90** |
| QTC060H1COPF9 | QUANTICA 060 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | **26.153,70** |
| QTC080H1COPF9 | QUANTICA 080 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | **32.367,60** |
| QTC100H1COPF9 | QUANTICA 100 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | **35.346,40** |
| QTC130H1COPF9 | QUANTICA 130 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO COP | **51.602,50** |
| **ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV** | | |
| QTC045H1CAVF7 | QUANTICA 045 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | **22.738,00** |
| QTC060H1CAVF7 | QUANTICA 060 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | **25.758,80** |
| QTC080H1CAVF7 | QUANTICA 080 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | **31.844,50** |
| QTC100H1CAVF7 | QUANTICA 100 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | **34.752,70** |
| QTC130H1CAVF7 | QUANTICA 130 EEC H1 ISO ePM1≥50% / ISO ePM1≥50% (F7/F7) EVO CAV | **50.628,30** |
| **ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV** | | |
| QTC045H1CAVF9 | QUANTICA 045 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | **23.083,90** |
| QTC060H1CAVF9 | QUANTICA 060 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | **26.153,70** |
| QTC080H1CAVF9 | QUANTICA 080 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | **32.367,60** |
| QTC100H1CAVF9 | QUANTICA 100 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | **35.346,40** |
| QTC130H1CAVF9 | QUANTICA 130 EEC H1 ISO ePM1≥50% + ISO ePM1≥80% / ISO ePM1≥50% (F7+F9/F7) EVO CAV | **51.602,50** |

## VERTICAL CONFIGURATION | CONFIGURACIÓN VERTICAL

### STANDARD H1 CONFIGURATION / CONFIGURACIÓN ESTÁNDAR H1




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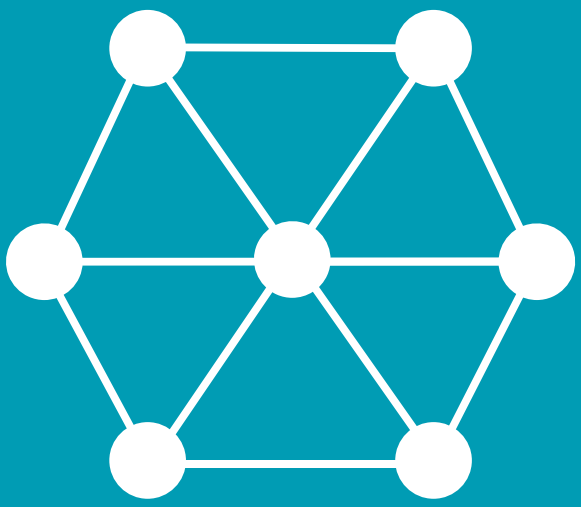


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# º Systems
# º Sistemas



| | | | | | | |
|---|---|---|---|---|---|---|
|  KIT-PE |  KIT-PE STAIRSHIELD |  KIT-PE STAIRSHIELD DAMPER |  KIT-PE DUAL STAIRSHIELD |  KIT-PE DUAL STAIRSHIELD DAMPER |  BOX DAMPER SS |  CO-MASTER |
|  CO-SENS & COMPACT |  CO-CARD |  CO-CARD EXPAND | | | | |

# KIT-PE



## STAIRCASE OVERPRESSURE KIT

### MANUFACTURING FEATURES

- Automatic control of differential pressure and maintain it at 50Pa in a single stage according to the UNE-EN 12101-6 standard.
- It consists of a control panel (KIT PE) and an air supply unit (any fan for air supply) that will provide the stairs or the escape route with enough pressure.
- It is available for three-phase and single-phase equipment.
- The KIT PE has everything necessary to operate autonomously, so the work of the installer will be much easier and it is only necessary connecting the kit to the fan and the fire detection control panel.

KIT PE is composed of the following elements:

Frequency inverter programmed at 50 Pa
- Output frequency: 50Hz
- High precision DPT differential pressure probe.
- Steel frame fitted with a 3mm double bar lock to limit external access. IP66 protection. Complies with IEC 62208, UL, CUL, BV, DNV and GL standards.
- Magneto-thermal protector
- Line and error LED
- Test pushbutton
- Operation mode selector

The selection of the overpressure kits must be made based on the maximum absorbed intensity of the fan to be regulated.

## KIT DE SOBREPRESIÓN DE ESCALERAS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Kit de presurización de escaleras para controlar automáticamente la presión diferencial y mantenerla a 50Pa en una sola etapa acorde a la norma UNE-EN 12101-6.
- Formado por un cuadro de control (KIT PE) y una unidad de impulsión (cualquier ventilador para aportación de aire) que dotará las escaleras o la vía de escape de la presión suficiente.
- Disponible para equipos trifásicos y monofásicos.
- El KIT PE tiene todo lo necesario para funcionar de forma autónoma, por lo que el trabajo del instalador será mucho más sencillo y sólo tendrá que conectar el kit al ventilador y a la central de detección de incendios.

KIT PE está compuesto por los siguientes elementos:
- Variador de frecuencia programado a 50 Pa.
- Frecuencia de salida: 50Hz
- Sonda de presión diferencial DPT de alta precisión.
- Cuadro de acero equipado con una cerradura de doble barra de 3mm para limitar el acceso externo. Protección IP66. Cumple con las normativas IEC 62208, UL, CUL, BV, DNV y GL.
- Protector magnetotérmico.
- Led de línea y error.
- Pulsador de test.
- Selector de modo de funcionamiento.

La selección de los Kits de sobrepresión debe hacerse en base a la intensidad máxima absorbida del ventilador que se quiere regular.

| Code<br>Código | Model<br>Modelo | Max.I. (A)<br>I max (A) | Input voltage<br>Voltaje entrada | Output voltage<br>Voltaje salida | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|
| KPEI01V2 | KIT-PE I 2,5A in: 230Vac II, out: 230Vac III | 2,5A | 230Vac II | 230Vac III | 10 | **2.253,80** |
| KPEI03V2 | KIT-PE I 4,2A in: 230Vac II, out: 230Vac III | 4,2A | 230Vac II | 230Vac III | 10 | **2.269,10** |
| KPEI04V2 | KIT-PE I 7A in: 230Vac II, out: 230Vac III | 7A | 230Vac II | 230Vac III | 10 | **2.341,30** |
| KPEI05V2 | KIT-PE I 10A in: 230Vac II, out: 230Vac III | 10A | 230Vac II | 230Vac III | 10 | **2.451,60** |
| KPEIII01V2 | KIT-PE III 2,2A in: 400Vac III, out: 400Vac III | 2,2A | 400Vac III | 400Vac III | 10 | **2.379,40** |
| KPEIII02V2 | KIT-PE III 3,6A in: 400Vac III, out: 400Vac III | 3,6A | 400Vac III | 400Vac III | 10 | **2.409,80** |
| KPEIII03V2 | KIT-PE III 5A in: 400Vac III, out: 400Vac III | 5A | 400Vac III | 400Vac III | 15 | **2.466,80** |
| KPEIII04V2 | KIT-PE III 8A in: 400Vac III, out: 400Vac III | 8A | 400Vac III | 400Vac III | 15 | **2.523,80** |
| KPEIII05V2 | KIT-PE III 12A in: 400Vac III, out: 400Vac III | 12A | 400Vac III | 400Vac III | 15 | **3.062,70** |
| KPEIII06V2 | KIT-PE III 16A in: 400Vac III, out: 400Vac III | 16A | 400Vac III | 400Vac III | 20 | **3.138,60** |
| KPEIII07V2 | KIT-PE III 23A in: 400Vac III, out: 400Vac III | 23A | 400Vac III | 400Vac III | 20 | **3.598,70** |
| KPEIII08V2 | KIT-PE III 29,5A in: 400Vac III, out: 400Vac III | 29,5A | 400Vac III | 400Vac III | 27 | **3.884,70** |
| KPEIII09V2 | KIT-PE III 41A in: 400Vac III, out: 400Vac III | 41A | 400Vac III | 400Vac III | 27 | **4.455,00** |

# KIT-PE STAIRSHIELD



KIT-PE StairShield

## STAIRCASE OVERPRESSURE KIT FOR SYSTEMS MANAGEMENT WITH A FAN AND UP TO 2 DAMPERS

### MANUFACTURING FEATURES

- Stairs pressurization kit to automatically control the differential pressure and maintain it at 30-50 Pa in a single stage in accordance with the UNE-EN 12101-6 standard.
- Made up of a control panel (KIT-PE STAIRSHIELD) and a drive unit (any fan for air supply) that will provide the stairs or the escape route with sufficient pressure.
- Available for three-phase and single-phase equipment.
- The KIT-PE STAIRSHIELD has everything necessary to function autonomously, so the installer's job will be much easier and he will only have to connect the kit to the fan and to the fire detection control panel.
- KIT-PE STAIRSHIELD includes a flow sensor to redundantly ensure air circulation in the system and in the correct direction.

- The KIT-PE STAIRSHIELD is composed of the following elements:
- Variable frequency programmed to maintain constant pressure.
- Maximum output frequency: 50Hz.
- High precision DPT differential pressure probe.
- Steel frame fitted with a 3mm double bar lock to limit external access. IP66 protection. Complies with IEC 62208, UL, CUL, BV, DNV and GL standards.
- Magnetothermic protector.
- Line and error led.
- Test button.
- Operating mode selector.

- Kit according to the new regulations (1/2/24) with a fire brigade panel (COMBATOR).
- It only manages a fan. A kit per ladder is required.

## KIT DE PRESURIZACIÓN DE ESCALERAS PARA LA GESTIÓN DE SISTEMAS CON UN VENTILADOR Y HASTA 2 COMPUERTAS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Kit de presurización de escaleras para controlar automáticamente la presión diferencial y mantenerla de 30-50 Pa en una sola etapa acorde a la norma UNE-EN 12101-6.
- Formado por un cuadro de control (KIT-PE STAIRSHIELD) y una unidad de impulsión (cualquier ventilador para aportación de aire) que dotará las escaleras o la vía de escape de la presión suficiente.
- Disponible para equipos trifásicos y monofásicos.
- El KIT-PE STAIRSHIELD tiene todo lo necesario para funcionar de forma autónoma, por lo que el trabajo del instalador será mucho más sencillo y sólo tendrá que conectar el kit al ventilador y a la central de detección de incendios.
- KIT-PE STAIRSHIELD incluye un sensor de flujo para asegurar de forma redundante la circulación del aire en el sistema y en el sentido correcto.

- El KIT-PE STAIRSHIELD está compuesto por los siguientes elementos:
- Variador de frecuencia programado para mantener la presión constante.
- Frecuencia máxima de salida: 50Hz
- Sonda de presión diferencial DPT de alta precisión
- Cuadro de acero equipado con una cerradura de doble barra de 3mm para limitar el acceso externo. Protección IP66. Cumple con las normativas IEC 62208, UL, CUL, BV, DNV y GL.
- Protector magnetotérmico.
- Led de línea y error.
- Pulsador de test.
- Selector de modo de funcionamiento.

- Kit acorde a la nueva normativa (1/2/24) con un cuadro de bomberos (COMBATOR).
- Sólo gestiona un ventilador. Es necesario un kit por escalera.

| Code<br>Código | Model<br>Modelo | Max. I. (A)<br>I max (A) | Weight kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| KPESSI01 | KIT-PE STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | 2,5 | 15 | **2.676,40** |
| KPESSI03 | KIT-PE STAIRSHIELD I 4,2A in: 230Vac II, out: 230Vac III | 4,2 | 15 | **2.691,80** |
| KPESSI04 | KIT-PE STAIRSHIELD I 7A in: 230Vac II, out: 230Vac III | 7 | 15 | **2.764,70** |
| KPESSI05 | KIT-PE STAIRSHIELD I 10A in: 230Vac II, out: 230Vac III | 10 | 15 | **2.876,10** |
| KPESSIII01 | KIT-PE STAIRSHIELD III 2,2A in: 400Vac III, out: 400Vac III | 2,2 | 15 | **2.803,10** |
| KPESSIII02 | KIT-PE STAIRSHIELD III 3,6A in: 400Vac III, out: 400Vac III | 3,6 | 15 | **2.833,80** |
| KPESSIII03 | KIT-PE STAIRSHIELD III 5A in: 400Vac III, out: 400Vac III | 5 | 18 | **2.891,40** |
| KPESSIII04 | KIT-PE STAIRSHIELD III 8A in: 400Vac III, out: 400Vac III | 8 | 18 | **2.949,00** |
| KPESSIII05 | KIT-PE STAIRSHIELD III 12A in: 400Vac III, out: 400Vac III | 12 | 18 | **3.141,00** |
| KPESSIII06 | KIT-PE STAIRSHIELD III 16A in: 400Vac III, out: 400Vac III | 16 | 23 | **3.217,70** |
| KPESSIII07 | KIT-PE STAIRSHIELD III 23A in: 400Vac III, out: 400Vac III | 23 | 23 | **3.682,30** |
| KPESSIII08 | KIT-PE STAIRSHIELD III 29,5A in: 400Vac III, out: 400Vac III | 29,5 | 30 | **3.870,40** |
| KPESSIII09 | KIT-PE STAIRSHIELD III 41A in: 400Vac III, out: 400Vac III | 41 | 30 | **4.446,30** |



# COMBATOR STAIRSHIELD

| Code<br>Código | Model<br>Modelo | Weight kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| COMBSS | KIT PE STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | 1 | **360,50** |

NOTE. The COMBATOR firefighter box is an accessory and is only supplied together with the KIT-PE STAIRSHIELD
NOTA. El cuadro de bomberos COMBATOR es un accesorio y sólo se suministra junto al KIT-PE STAIRSHIELD



KIT-PE
DAMPER 1 StairShield

## DAMPER 1 STAIRSHIELD

• Allows control of a motorized damper and a fan. If smoke is detected, the damper will close and the fan will stop to prevent smoke from entering the staircase.

• Permite controlar una compuerta de regulación motorizada y un ventilador. En el caso de detectarse humo, la compuerta se cerrará y el ventilador se parará para que no entre humo en la escalera.

| Code | Model | Max. I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso Kg | P.V.P € |
| KPESSI01D1 | KIT-PE DAMPER 1 STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | 2,5 | 18,50 | **3.749,00** |
| KPESSI03D1 | KIT-PE DAMPER 1 STAIRSHIELD I 4,2A in: 230Vac II, out: 230Vac III | 4,2 | 18,50 | **3.765,20** |
| KPESSI04D1 | KIT-PE DAMPER 1 STAIRSHIELD I 7A in: 230Vac II, out: 230Vac III | 7 | 18,50 | **3.841,90** |
| KPESSI05D1 | KIT-PE DAMPER 1 STAIRSHIELD I 10A in: 230Vac II, out: 230Vac III | 10 | 18,50 | **3.959,00** |
| KPESSIII01D1 | KIT-PE DAMPER 1 STAIRSHIELD III 2,2A in: 400Vac III, out: 400Vac III | 2,2 | 18,50 | **3.882,30** |
| KPESSIII02D1 | KIT-PE DAMPER 1 STAIRSHIELD III 3,6A in: 400Vac III, out: 400Vac III | 3,6 | 18,50 | **3.914,60** |
| KPESSIII03D1 | KIT-PE DAMPER 1 STAIRSHIELD III 5A in: 400Vac III, out: 400Vac III | 5 | 21,50 | **3.975,10** |
| KPESSIII04D1 | KIT-PE DAMPER 1 STAIRSHIELD III 8A in: 400Vac III, out: 400Vac III | 8 | 21,50 | **4.035,70** |
| KPESSIII05D1 | KIT-PE DAMPER 1 STAIRSHIELD III 12A in: 400Vac III, out: 400Vac III | 12 | 21,50 | **4.237,60** |
| KPESSIII06D1 | KIT-PE DAMPER 1 STAIRSHIELD III 16A in: 400Vac III, out: 400Vac III | 16 | 26,50 | **4.318,40** |
| KPESSIII07D1 | KIT-PE DAMPER 1 STAIRSHIELD III 23A in: 400Vac III, out: 400Vac III | 23 | 26,50 | **4.807,00** |
| KPESSIII08D1 | KIT-PE DAMPER 1 STAIRSHIELD III 29,5A in: 400Vac III, out: 400Vac III | 29,5 | 33,50 | **5.004,90** |
| KPESSIII09D1 | KIT-PE DAMPER 1 STAIRSHIELD III 41A in: 400Vac III, out: 400Vac III | 41 | 33,50 | **5.610,60** |



## COMBATOR DAMPER 1 STAIRSHIELD

| Code | Model | Weight kg | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso Kg | P.V.P € |
| COMBSSD1 | COMBATOR DAMPER 1 STAIRSHIELD | 1 | **508,50** |

NOTE. The COMBATOR firefighter box is an accessory and is only supplied together with the KIT-PE STAIRSHIELD
NOTA. El cuadro de bomberos COMBATOR es un accesorio y sólo se suministra junto al KIT-PE STAIRSHIELD



KIT-PE
DAMPER 2 StairShield

## DAMPER 2 STAIRSHIELD

• It allows to control two motorized regulation dampers and a fan. In the event of detecting smoke, the damper will close and only if the other damper does not detect smoke, the fan will continue to work to continue pressurizing

• Permite controlar dos compuertas de regulación motorizadas y un ventilador. En el caso de detectarse humo, la compuerta se cerrará y sólo si la otra compuerta no detecta humo, el ventilador seguirá funcionando para seguir presurizando.

| Code | Model | Max. I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso Kg | P.V.P € |
| KPESSI01D2 | KIT-PE DAMPER 2 STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | 2,5 | 18,50 | **4.583,20** |
| KPESSI03D2 | KIT-PE DAMPER 2 STAIRSHIELD I 4,2A in: 230Vac II, out: 230Vac III | 4,2 | 18,50 | **4.599,40** |
| KPESSI04D2 | KIT-PE DAMPER 2 STAIRSHIELD I 7A in: 230Vac II, out: 230Vac III | 7 | 18,50 | **4.676,10** |
| KPESSI05D2 | KIT-PE DAMPER 2 STAIRSHIELD I 10A in: 230Vac II, out: 230Vac III | 10 | 18,50 | **4.793,20** |
| KPESSIII01D2 | KIT-PE DAMPER 2 STAIRSHIELD III 2,2A in: 400Vac III, out: 400Vac III | 2,2 | 18,50 | **4.716,50** |
| KPESSIII02D2 | KIT-PE DAMPER 2 STAIRSHIELD III 3,6A in: 400Vac III, out: 400Vac III | 3,6 | 18,50 | **4.748,80** |
| KPESSIII03D2 | KIT-PE DAMPER 2 STAIRSHIELD III 5A in: 400Vac III, out: 400Vac III | 5 | 21,50 | **4.809,40** |
| KPESSIII04D2 | KIT-PE DAMPER 2 STAIRSHIELD III 8A in: 400Vac III, out: 400Vac III | 8 | 21,50 | **4.869,90** |
| KPESSIII05D2 | KIT-PE DAMPER 2 STAIRSHIELD III 12A in: 400Vac III, out: 400Vac III | 12 | 21,50 | **5.071,80** |
| KPESSIII06D2 | KIT-PE DAMPER 2 STAIRSHIELD III 16A in: 400Vac III, out: 400Vac III | 16 | 26,50 | **5.152,60** |
| KPESSIII07D2 | KIT-PE DAMPER 2 STAIRSHIELD III 23A in: 400Vac III, out: 400Vac III | 23 | 26,50 | **5.641,20** |
| KPESSIII08D2 | KIT-PE DAMPER 2 STAIRSHIELD III 29,5A in: 400Vac III, out: 400Vac III | 29,5 | 33,50 | **5.839,10** |
| KPESSIII09D2 | KIT-PE DAMPER 2 STAIRSHIELD III 41A in: 400Vac III, out: 400Vac III | 41 | 33,50 | **6.444,80** |



## COMBATOR DAMPER 2 STAIRSHIELD

| Code | Model | Weight kg | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso Kg | P.V.P € |
| COMBSSD2 | COMBATOR DAMPER 2 STAIRSHIELD | 1 | **525,10** |

NOTE. The COMBATOR firefighter box is an accessory and is only supplied together with the KIT-PE STAIRSHIELD
NOTA. El cuadro de bomberos COMBATOR es un accesorio y sólo se suministra junto al KIT-PE STAIRSHIELD

# KIT-PE DUAL STAIRSHIELD



KIT-PE
dual StairShield

## STAIRCASE OVERPRESSURE KIT FOR SYSTEMS MANAGEMENT WITH TWO FAN AND UP TO 2 DAMPERS

### MANUFACTURING FEATURES

- Stairs pressurization kit to automatically control the differential pressure and maintain it at 30-50 Pa in a single stage in accordance with the UNE-EN 12101-6 standard.
- Made up of a control panel (KIT-PE DUAL STAIRSHIELD) and a drive unit (any fan for air supply) that will provide the stairs or the escape route with sufficient pressure.
- Available for three-phase and single-phase equipment.
- The KIT-PE DUAL STAIRSHIELD has everything necessary to function autonomously, so the installer's job will be much easier and he will only have to connect the kit to the fan and to the fire detection control panel.
- KIT-PE DUAL STAIRSHIELD includes a flow sensor to redundantly ensure air circulation in the system and in the correct direction.

- The KIT-PE DUAL STAIRSHIELD is composed of the following elements:
- Variable frequency programmed to maintain constant pressure.
- Maximum output frequency: 50Hz
- High precision DPT differential pressure probe

Steel frame fitted with a 3mm double bar lock to limit external access. IP66 protection. Complies with IEC 62208, UL, CUL, BV, DNV and GL standards.

- Magnetothermic protector.
- Line and error led.
- Test button.
- Operating mode selector.

- Kit according to the new regulations (1/2/24) with a fire brigade panel (COMBATOR).
- It allows to control two fans and is useful when there is a single staircase or escape route.

## KIT DE PRESURIZACIÓN DE ESCALERAS PARA LA GESTIÓN DE SISTEMAS CON DOS VENTILADORES Y HASTA 2 COMPUERTAS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Kit de presurización de escaleras para controlar automáticamente la presión diferencial y mantenerla de 30-50 Pa en una sola etapa acorde a la norma UNE-EN 12101-6.
- Formado por un cuadro de control (KIT-PE DUAL STAIRSHIELD) y una unidad de impulsión (cualquier ventilador para aportación de aire) que dotará las escaleras o la vía de escape de la presión suficiente.
- Disponible para equipos trifásicos y monofásicos.
- El KIT-PE DUAL STAIRSHIELD tiene todo lo necesario para funcionar de forma autónoma, por lo que el trabajo del instalador será mucho más sencillo y sólo tendrá que conectar el kit al ventilador y a la central de detección de incendios.
- KIT-PE DUAL STAIRSHIELD incluye un sensor de flujo para asegurar de forma redundante la circulación del aire en el sistema y en el sentido correcto.

- El KIT-PE DUAL STAIRSHIELD está compuesto por los siguientes elementos:
- Variador de frecuencia programado para mantener la presión constante.
- Frecuencia máxima de salida: 50Hz.
- Sonda de presión diferencial DPT de alta precisión.
- Cuadro de acero equipado con una cerradura de doble barra de 3mm para limitar el acceso externo. Protección IP66. Cumple con las normativas IEC 62208, UL, CUL, BV, DNV y GL.
- Protector magnetotérmico.
- Led de línea y error.
- Pulsador de test.
- Selector de modo de funcionamiento.

- Kit acorde a la nueva normativa (1/2/24) con un cuadro de bomberos (COMBATOR).
- Permite controlar dos ventiladores y es útil cuando hay una única escalera o vía de escape.

| Code<br>Código | Model<br>Modelo | Max. I. (A)<br>I max (A) | Weight kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| KPESSDI01 | KIT-PE DUAL STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | 2,5 | 16,50 | **3.149,90** |
| KPESSDI03 | KIT-PE DUAL STAIRSHIELD I 4,2A in: 230Vac II, out: 230Vac III | 4,2 | 16,50 | **3.165,30** |
| KPESSDI04 | KIT-PE DUAL STAIRSHIELD I 7A in: 230Vac II, out: 230Vac III | 7 | 16,50 | **3.238,30** |
| KPESSDI05 | KIT-PE DUAL STAIRSHIELD I 10A in: 230Vac II, out: 230Vac III | 10 | 16,50 | **3.349,70** |
| KPESSDIII01 | KIT-PE DUAL STAIRSHIELD III 2,2A in: 400Vac III, out: 400Vac III | 2,2 | 16,50 | **3.276,60** |
| KPESSDIII02 | KIT-PE DUAL STAIRSHIELD III 3,6A in: 400Vac III, out: 400Vac III | 3,6 | 16,50 | **3.307,40** |
| KPESSDIII03 | KIT-PE DUAL STAIRSHIELD III 5A in: 400Vac III, out: 400Vac III | 5 | 19,50 | **3.365,00** |
| KPESSDIII04 | KIT-PE DUAL STAIRSHIELD III 8A in: 400Vac III, out: 400Vac III | 8 | 19,50 | **3.422,60** |
| KPESSDIII05 | KIT-PE DUAL STAIRSHIELD III 12A in: 400Vac III, out: 400Vac III | 12 | 19,50 | **3.614,60** |
| KPESSDIII06 | KIT-PE DUAL STAIRSHIELD III 16A in: 400Vac III, out: 400Vac III | 16 | 24,50 | **3.691,30** |
| KPESSDIII07 | KIT-PE DUAL STAIRSHIELD III 23A in: 400Vac III, out: 400Vac III | 23 | 24,50 | **4.155,80** |
| KPESSDIII08 | KIT-PE DUAL STAIRSHIELD III 29,5A in: 400Vac III, out: 400Vac III | 29,5 | 31,50 | **4.344,00** |
| KPESSDIII09 | KIT-PE DUAL STAIRSHIELD III 41A in: 400Vac III, out: 400Vac III | 41 | 31,50 | **4.919,90** |



# COMBATOR DUAL STAIRSHIELD

| Code<br>Código | Model<br>Modelo | Weight kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| COMBSSD | COMBATOR DUAL STAIRSHIELD | 1 | **419,20** |

NOTE. The COMBATOR firefighter box is an accessory and is only supplied together with the KIT-PE STAIRSHIELD
NOTA. El cuadro de bomberos COMBATOR es un accesorio y sólo se suministra junto al KIT-PE STAIRSHIELD



KIT-PE
DAMPER 1 *dual* StairShield

## DAMPER 1 DUAL STAIRSHIELD

• It allows to control a motorized regulation damper and two fans with alternative operation. If smoke is detected, the damper will close and the fan that was running will stop. If there is no smoke, but one of the fans fails, there will always be the other to continue pressurizing.

• Permite controlar una compuerta de regulación motorizada y dos ventiladores con funcionamiento alternativo. En el caso de detectarse humo, la compuerta se cerrará y el ventilador que estaba funcionando se parará. Si no hubiera humo, pero uno de los ventiladores falla, siempre habrá el otro para seguir presurizando.

| Code | Model | Max. I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso Kg | P.V.P € |
| KPESSDI01D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | 2,5 | 20,50 | **4.266,70** |
| KPESSDI03D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD I 4,2A in: 230Vac II, out: 230Vac III | 4,2 | 20,50 | **4.284,30** |
| KPESSDI04D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD I 7A in: 230Vac II, out: 230Vac III | 7 | 20,50 | **4.368,00** |
| KPESSDI05D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD I 10A in: 230Vac II, out: 230Vac III | 10 | 20,50 | **4.495,80** |
| KPESSDIII01D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 2,2A in: 400Vac III, out: 400Vac III | 2,2 | 20,50 | **4.412,10** |
| KPESSDIII02D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 3,6A in: 400Vac III, out: 400Vac III | 3,6 | 20,50 | **4.447,30** |
| KPESSDIII03D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 5A in: 400Vac III, out: 400Vac III | 5 | 23,50 | **4.513,40** |
| KPESSDIII04D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 8A in: 400Vac III, out: 400Vac III | 8 | 23,50 | **4.579,50** |
| KPESSDIII05D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 12A in: 400Vac III, out: 400Vac III | 12 | 23,50 | **4.799,80** |
| KPESSDIII06D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 16A in: 400Vac III, out: 400Vac III | 16 | 28,50 | **4.887,90** |
| KPESSDIII07D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 23A in: 400Vac III, out: 400Vac III | 23 | 28,50 | **5.420,90** |
| KPESSDIII08D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 29,5A in: 400Vac III, out: 400Vac III | 29,5 | 35,50 | **5.636,70** |
| KPESSDIII09D1 | KIT-PE DAMPER 1 DUAL STAIRSHIELD III 41A in: 400Vac III, out: 400Vac III | 41 | 35,50 | **6.297,50** |



## COMBATOR DAMPER 1 DUAL STAIRSHIELD

| Code | Model | Weight kg | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso Kg | P.V.P € |
| COMBSSDD1 | COMBATOR DAMPER 1 DUAL STAIRSHIELD | 1 | **572,80** |

NOTE. The COMBATOR firefighter box is an accessory and is only supplied together with the KIT-PE STAIRSHIELD
NOTA. El cuadro de bomberos COMBATOR es un accesorio y sólo se suministra junto al KIT-PE STAIRSHIELD



KIT-PE
DAMPER 2 *dual* StairShield

## DAMPER 2 DUAL STAIRSHIELD

• Allows the control of two motorized regulation dampers and a fan for each damper that work separately. In the case of detecting smoke, the damper that detects it will close and stop the fan so that smoke does not enter. Meanwhile, the other fan will continue to pressurize as long as its damper does not detect a smoke signal.

• Permite controlar dos compuertas de regulación motorizadas y un ventilador para cada compuerta que funcionan por separado. En el caso de detectarse humo, la compuerta que lo detecte se cerrará y hará que se pare el ventilador para que no entre el humo. Mientras tanto, el otro ventilador seguirá presurizando siempre y cuando su compuerta no detecte señal de humo.

| Code | Model | Max. I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso Kg | P.V.P € |
| KPESSDI01D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD I 2,5A in: 230Vac II, out: 230Vac III | '2,5 | 20,50 | **4.840,00** |
| KPESSDI03D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD I 4,2A in: 230Vac II, out: 230Vac III | '4,2 | 20,50 | **4.856,20** |
| KPESSDI04D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD I 7A in: 230Vac II, out: 230Vac III | '7 | 20,50 | **4.932,90** |
| KPESSDI05D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD I 10A in: 230Vac II, out: 230Vac III | '10 | 20,50 | **5.050,00** |
| KPESSDIII01D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 2,2A in: 400Vac III, out: 400Vac III | '2,2 | 20,50 | **4.973,30** |
| KPESSDIII02D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 3,6A in: 400Vac III, out: 400Vac III | '3,6 | 20,50 | **5.005,60** |
| KPESSDIII03D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 5A in: 400Vac III, out: 400Vac III | '5 | 23,50 | **5.066,20** |
| KPESSDIII04D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 8A in: 400Vac III, out: 400Vac III | '8 | 23,50 | **5.126,70** |
| KPESSDIII05D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 12A in: 400Vac III, out: 400Vac III | '12 | 23,50 | **5.328,70** |
| KPESSDIII06D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 16A in: 400Vac III, out: 400Vac III | '16 | 28,50 | **5.409,40** |
| KPESSDIII07D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 23A in: 400Vac III, out: 400Vac III | '23 | 28,50 | **5.898,00** |
| KPESSDIII08D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 29,5A in: 400Vac III, out: 400Vac III | '29,5 | 35,50 | **6.095,90** |
| KPESSDIII09D2 | KIT-PE DAMPER 2 DUAL STAIRSHIELD III 41A in: 400Vac III, out: 400Vac III | '41 | 35,50 | **6.701,60** |



## COMBATOR DAMPER 2 STAIRSHIELD

| Code | Model | Weight kg | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso Kg | P.V.P € |
| COMBSSDD2 | COMBATOR DAMPER 2 DUAL STAIRSHIELD | 1 | **602,60** |

NOTE. The COMBATOR firefighter box is an accessory and is only supplied together with the KIT-PE STAIRSHIELD
NOTA. El cuadro de bomberos COMBATOR es un accesorio y sólo se suministra junto al KIT-PE STAIRSHIELD

# BOX DAMPER SS



## REGULATION DAMPER IN BOX WITH MOTORIZED DRIVE AND OPTICAL SMOKE SENSOR

### MANUFACTURING FEATURES

- Regulating damper with opposite and aerodynamic slats, made of aluminum (DAMPER). The body of the gate incorporates sealing gaskets throughout its entire perimeter, to ensure a high degree of airtightness. The movement of the fins is ensured by means of gears, achieving correct friction, manually or motorized.
- Slats are available with steps of 75 and 100 mm, to complete the entire range of standardized duct dimensions.
- The drive is carried out through nylon bearings.
- They incorporate sealing gaskets on the upper and lower longitudinal sides of the fins to ensure a high degree of tightness.
- Motorized all or nothing 230V 5Nm (Belimo LMC230A).
- With optical smoke detector in aspiration with automatic reset, fixed to the inspection hatch. 24V power supply.

### FINISHES

- DAMPER in natural aluminum.
- Encapsulated in a galvanized steel BOX with access hatch to the connection box.

## COMPUERTAS DE REGULACIÓN EN BOX CON ACCIONAMIENTO MOTORIZADO Y SENSOR DE HUMO ÓPTICO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Compuerta de regulación de lamas opuestas y aerodinámicas, fabricada en aluminio (DAMPER). El cuerpo de la compuerta incorpora interiormente en todo su perímetro juntas de estanqueidad, para asegurar un alto grado de hermetismo. El movimiento de las aletas queda asegurado por medio de engranajes, logrando una correcta fricción, de accionamiento manual o motorizado.
- Se dispone de lamas con pasos de 75 y 100 mm, para completar toda la gama de dimensiones normalizadas de conducto.
- El accionamiento se realiza a través de cojinetes de nylon.
- Incorporan juntas de estanqueidad en los lados longitudinales superior e inferior de las aletas para asegurar un alto grado de estanqueidad.
- Motorizada todo o nada 230V 5Nm (Belimo LMC230A).
- Con detector óptico de humo en aspiración con rearme automático, fijado a la trampilla de inspección. Alimentación 24V.

### ACABADOS

- DAMPER en aluminio natural.
- Encapsulada en un BOX de acero galvanizado con trampilla de acceso a la caja de conexiones.

| Code<br>Código | Model<br>Modelo | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 260508491DASS | BOX DAMPER SS 500 | 41 | **1.950,10** |
| 260638491DASS | BOX DAMPER SS 630 | 51 | **2.157,84** |
| 260808492DASS | BOX DAMPER SS 800 | 64 | **2.545,99** |
| 260108492DASS | BOX DAMPER SS 1000 | 129 | **3.076,13** |



# WHEN THINGS ARE REALLY HEATING UP...

# CUANDO LA COSA ESTÁ QUE ARDE...

## PARK GUARD & SHIELD-KIT

º Fan control systems in case fire with control panel. Systems stair pressurization with detector smoke optics and fire department.

**º Sistemas de control de ventiladores en caso de incendios con cuadro de control. Sistemas de presurización de escaleras con detector óptico de humos y cuadro de bomberos.**

Casals

soul made fans



CLÚSTER DE SEGURETAT CONTRA INCENDIS

# SYSTEMS SECURITY IN CASE OF FIRE

# SISTEMAS DE SEGURIDAD EN CASO DE INCENDIO






## ParkGuard

Control panel for ventilation of underground parking whose objective is to control the concentration of pollutants (such as smoke and CO) and activate the ventilation system accordingly. Intelligent system for fire safety in parking lots.

Cuadro de control para ventilación de parkings subterráneos cuyo objetivo es controlar la concentración de contaminantes (como humo y CO) y activar el sistema de ventilación en consecuencia. sistema inteligente para la seguridad de incendios en parkings.

## SHIELD-KIT

Equipment designed to keep a positive air pressure or differential overpressure between 30-50Pa in an enclosed stairwell or vertical escape space, such as an emergency exit, during a fire or other emergency. The objective, according to the UNE-EN12101-6:2022 standard, is to prevent smoke from reaching the stairs and thus be able to have an evacuation route for people who come to the building.

Equipo diseñado para mantener una presión de aire positiva o sobrepresión diferencial entre 30-50 pa en una escalera cerrada o un espacio de escape vertical, como una salida de emergencia, durante un incendio u otra emergencia. el objetivo, acorde a la norma une-en12101-6:2022, es evitar que el humo llegue a las escaleras y así poder tener una vía de evacuación de las personas que concurran al edificio.

# CO-MASTER





CO-MASTER Z1



CO-MASTER Z2



CO-MASTER Z3

## CARBON MONOXIDE CONTROL PANEL

• The CO-MASTER carbon monoxide detection system has been designed for use in car parks where CO can accumulate. This system is certified according to the UNE 23300:1984 regulation, which fulfi ls the requirements of Spanish Royal Decree 2367/1985 and the Spanish Technical Building Code [Código Técnico de Edificación].
• The range of CO-MASTER carbon monoxide control panels is made up of 3 models; 1, 2 and 3 zones are available to cover all the requirements of small and large installations.
• Each module includes a display showing the CO concentration of the zones. Each of them can control the air renewal group manually or automatically. The automatic control lets you work in an advanced mode in which the overall system's power consumption is reduced. In order to obtain this reduction, the module performs algorithms to minimize the air renewal output activations by taking the individual measurement of each detector in the zone.
• Each zone module lets you connect up to 32 CO-SENS or CO-SENS COMPACT carbon monoxide detectors. The connection to the module is done through 2 wires, the detectors may be distributed along 2,000 meters in length and each detector covers 200 m2; this value is defi ned as the maximum surface in current legislation.
• The CO-MASTER system can control a speed regulator through the optional CO-CARD. The speed regulator control is focused on minimizing the power consumption of the overall system, and also reduces the noise level of the air renewal group.

### MANUFACTURING FEATURES

• UNE 23300:1984 approved
• LOM 08MOGA3532 Certificate
• Modular and expandable system
• Up to 19,000 m2 protected area
• 1, 2 and 3 zones per panel
• Concentration indication per zone
• 2 extraction relay outputs per zone
• 1 alarm relay output per zone
• Up to 32 detectors per zone
• Two-wire connection without polarity
• Working mode for low power consumption
• Control option per speed regulator
• System's remote control option
• Multi-language keyboard

### APPLICATIONS

• Car parks or other places where concentrations of CO can accumulate.

* It is necessary to buy a CO-CARD so that the control panel can govern the fans.

## CENTRAL DE MONÓXIDO

• El sistema de detección de Monóxido de Carbono CO-MASTER ha sido diseñado para su aplicación en aparcamientos de vehículos donde puedan acumularse concentraciones de CO. Este sistema esta certificado según la norma UNE 23300:1984 cumpliendo con los requisitos del Real Decreto 2367/1985 y con el Código Técnico de Edificación.
La gama de centrales CO-MASTER la componen 3 modelos, ofreciendo la versión de 1, 2 y 3 zonas, cubriendo todas las necesidades desde la pequeña hasta la gran instalación.
• Cada módulo de zona dispone de un display donde se muestra la concentración de monóxido de la zona, en cada uno de ellos se permite controlar de forma manual o automática el grupo de renovación de aire, dentro del control automático, permite el modo de funcionamiento de "Automático Avanzado", con este, se consigue una reducción del consumo energético del sistema, para ello se aplican algoritmos de decisión de la activación de la salidas de renovación del aire, teniendo en consideración la medida independiente de cada detector instalado en el módulo de zona.
• Cada módulo de zona permite la conexión de hasta 32 detectores CO-SENS o CO-SENS COMPACT. La conexión de los detectores al módulo es a través de 2 hilos, los detectores pueden ser distribuidos a lo largo de 2.000 metros de longitud y cada detector cubre los 200 m2 de superficie que define como máximo la normativa actual.
• El Sistema CO-MASTER a través de la tarjeta opcional CO-CARD nos permite controlar un regulador de velocidad, con el fin de reducir el consumo energético y el nivel acústico de los motores que forman el grupo de renovación del aire de la instalación.

### CARACTERÍSTICAS CONSTRUCTIVAS

• Sistema Certificado UNE 23300:1984
• Certificación LOM 08MOGA3532
• Central modular y ampliable
• Hasta 19.000 m2 de gestión
• Versiones de 1, 2, y 3 módulos de zonas
• Indicación de la concentración por zona
• 2 salidas de relés de extracción por zona
• 1 salida de relé de alarma por zona
• Hasta 32 detectores por zona
• Conexión de los detectores a 2 hilos
• Modo de funcionamiento para bajo consumo
• Opción de Control por Variador de Velocidad
• Opción de Control remoto del sistema
• Teclado Multilingüe

### APLICACIONES

• Aparcamientos u otros lugares donde pueda acumularse concentraciones de CO.

* Es necesario adquirir CO-CARD para que la central pueda gobernar los ventiladores

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| CO-MASTERZ1 | CO-MASTER Z1 | **627,60** |
| CO-MASTERZ2 | CO-MASTER Z2 | **829,40** |
| CO-MASTERZ3 | CO-MASTER Z3 | **1.098,20** |

## ACCESSORIES FOR CO-MASTER | ACCESORIOS PARA CO-MASTER



### CO-SENS

Carbon monoxide detector. Standard version
Detectores CO versión estándar

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| CO-SENS | CO-SENS | **134,50** |



### CO-SENS COMPACT

Carbon monoxide detector.Compact version
Detectores CO. Versión compacta

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| CO-SENSC | CO-SENS COMPACT | **168,20** |



### CO-CARD EXPAND

CO module for expanding system
Módulo de expansión monóxido

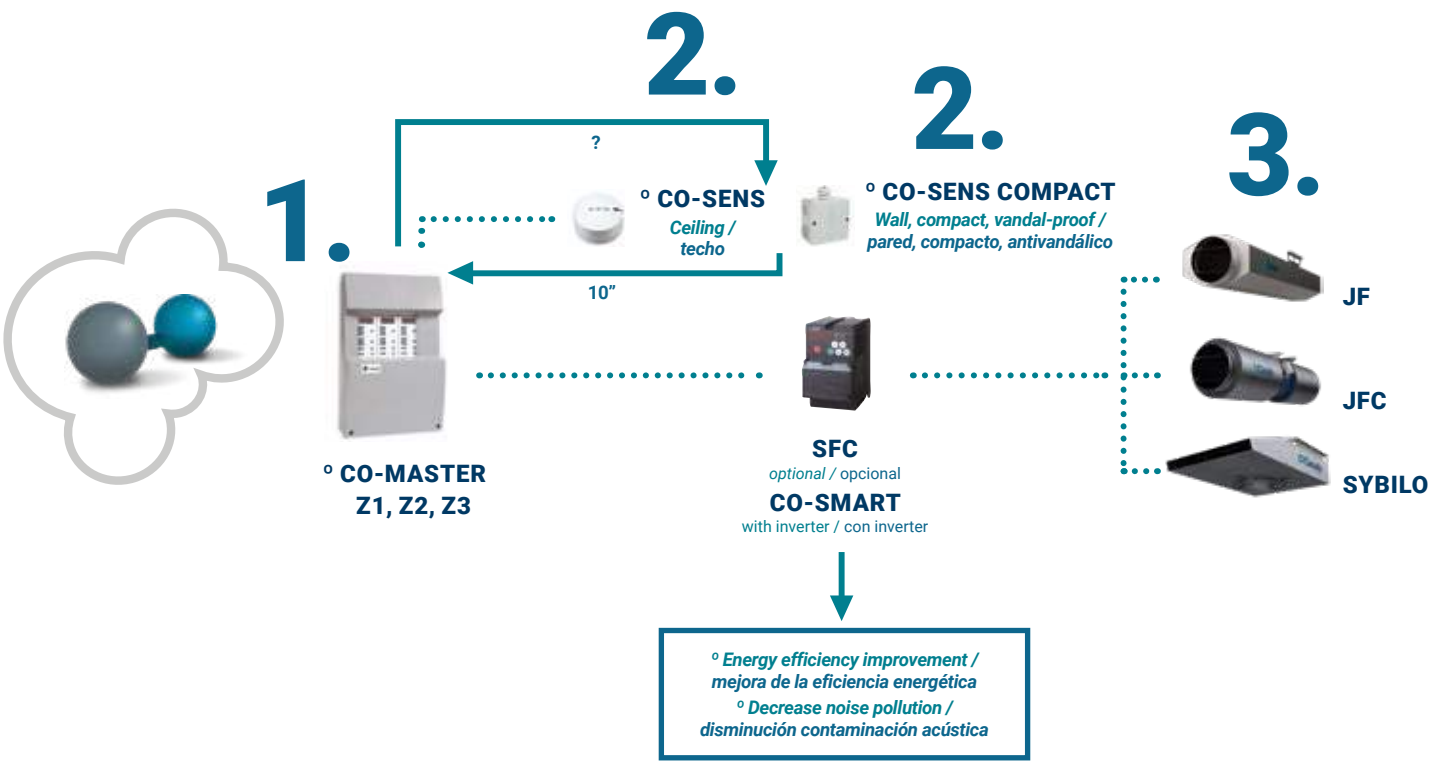
| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| CO-CARDEXP | CO-CARD EXPAND | **239,90** |



### CO-CARD

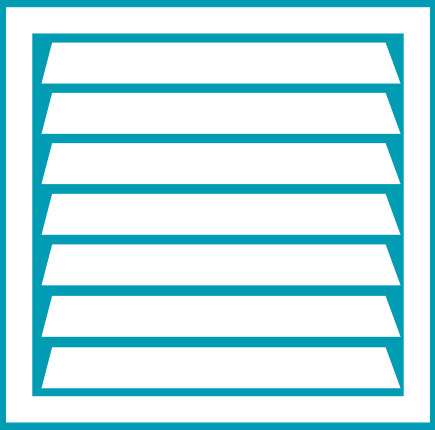
Speed regulation card
Tarjeta de regulación de velocidad

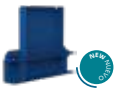
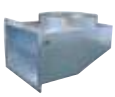
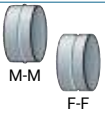
| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| CO-CARD | CO-CARD | **504,20** |



# º Mechanical accessories

# º Accesorios mecánicos



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  RP |  RP0 |  RP1 |  RI |  RIS |  RM |  RBS |  RA |  PC2 |  PCP |
|  PSD-2 |  PI |  CMP-HUT |  CMP-HLT |  OP SB-3 |  BSH/BSV |  BCD |  CPCC |  BOX FILTER |  CPCR |
|  HCPCR |  S |  DKF |  PO |  BS |  KF |  KB |  FS |  CPD & CPDMP |  CPD-NT |
|  BTI |  ACMP |  AMC |  ASIL |  TM |  AC |  EI |  EI DHUMAT |  EIS |  MBI |
|  MC HB |  BA-400 |  JE-45 |  BAD |  BADS |  BID & BIDS |  TCA |  TIC |  TBIC |  TIAC |
|  BAC |  CLBI |  VIS |  VISC |  TEJ |  AVR |  AVS |  AVT |  AT |  CPS |
|  KV |  CLBC |  AB |  SILC-MINI SILC-MINI C SILC-MINI & C |  C-ISOL |  C-FLEX |  FAT TRAP |  M-M F-F MANG M-M & F-F |  SIL-C |  SIL-CN |

# RP



## PROTECTION GUARD FOR LONG CASED AXIAL FANS

**MANUFACTURING FEATURES**
- Protection guard for motor or impeller side to avoid objects introduction. For HC model, RP can be applied only to impeller side.
- Made of welded metal wire.
- According to ROHS 2002/95/EC Directive.

**UNDER REQUEST**
- Stainless guard 304 or 316 with electro-polished finishing coat.

## REJILLA DE PROTECCIÓN PARA VENTILADORES HELICOIDALES TUBULARES

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Rejilla de protección en el lado del motor y de la hélice contra la entrada de objetos. Para modelo HC,la rejilla RP sólo es aplicable en el lado de la hélice.
- Construida con varilla electrosoldada.
- En cumplimiento con la directiva ROHS 2002/95/EC.

**BAJO DEMANDA**
- Rejilla en inoxidable 304 o 316 con acabado electropulido.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| 960300100 | RP 35 | HM-HC-HH 35 | 1,5 | **43,50** |
| 960300101 | RP 40 | HM-HC 40 | 1,7 | **44,10** |
| 960310100 | RP 45 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX-HH 45 | 1,9 | **50,30** |
| 960320100 | RP 50 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX 50 | 2,2 | **63,20** |
| 960330100 | RP 56 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX-HH 56 | 3,5 | **65,80** |
| 960330101 | RP 63 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX-HH-HMR EVO(IN) 63 | 3,7 | **119,80** |
| 960340100 | RP 71 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX-HH 71 | 4,1 | **125,90** |
| 960340101 | RP 80 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX 80 | 4,7 | **131,10** |
| 960340102 | RP 90 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX-HH-HMR EVO(OUT) 90 | 7,3 | **135,40** |
| 960340103 | RP 100 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX 100 | 8,2 | **163,60** |
| 960340105 | RP 112 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX 112 | 9,4 | **359,10** |
| 960340104 | RP 125 | HM-HC-HMF-HCF-HMFX-HCFX-HMX-HCX 125 | 10,1 | **401,70** |

# RP0



## OUTLET PROTECTION GUARD FOR AXIAL FANS

**MANUFACTURING FEATURES**
- Protection grid on the outlet side to avoid the entry of objects and contact with the impeller.
- Made of welded metal wire.
- According to ROHS 2002/95/EC Directive.

**UNDER REQUEST**
- Stainless guard 304 or 316 with electro-polished finishing coat.

## REJILLA DE PROTECCIÓN EN IMPULSIÓN PARA VENTILADORES HELICOIDALES

CARACTERÍSTICAS CONSTRUCTIVAS
- Rejilla de protección en el lado de la impulsión contra la entrada de objetos y contacto con la hélice.
- Construida con varilla electrosoldada.
- En cumplimiento con la directiva ROHS 2002/95/EC.

**BAJO DEMANDA**
- Rejilla en inoxidable 304 o 316 con acabado electropulido.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| 980000020 | RP0 20 | HJEM 20 | 0,5 | **39,50** |
| 980000025 | RP0 25 | HJEM 25 | 0,9 | **42,50** |
| 980000030 | RP0 30 | HJEM 30 | 1,1 | **50,70** |
| 980000035 | RP0 35 | HJEM-HJBM PLUS 35 | 1,3 | **57,40** |
| 980000040 | RP0 40 | HJBM PLUS 40 | 1,7 | **66,80** |
| 980000045 | RP0 45 | HJBM PLUS 45 | 2,3 | **70,80** |
| 980000050 | RP0 50 | HJBM PLUS 50 | 2,5 | **75,90** |
| 980000056 | RP0 56 | HJBM PLUS 56 | 3,8 | **82,30** |
| 960001212 | RP0 351 | HB 35 | 1,5 | **64,30** |
| 960001211 | RP0 400 | HB 40 | 1,7 | **68,10** |
| 960001202 | RP0 450 | HB-HBX-HBF-HBFX 45 | 2,3 | **73,10** |
| 960001203 | RP0 500 | HB-HBX-HBF-HBFX 50 | 2,5 | **81,50** |
| 960001204 | RP0 560 | HB-HBX-HBF-HBFX 56 | 3,8 | **84,00** |
| 960001205 | RP0 630 | HB-HBX-HBF-HBFX 63 | 4,2 | **109,90** |
| 960001206 | RP0 710 | HB-HBX-HBF-HBFX 71 | 4,7 | **144,60** |
| 960001207 | RP0 800 | HB-HBX-HBF-HBFX 80 | 7,4 | **187,30** |
| 960001208 | RP0 900 | HB-HBX-HBF-HBFX 90 | 8,3 | **218,20** |
| 960001209 | RP0 1000 | HB-HBX-HBF-HBFX 100 | 9,2 | **236,30** |
| 960001213 | RP0 1120 | HB-HBX-HBF-HBFX 112 | 10 | **327,00** |
| 960001210 | RP0 1250 | HB-HBX-HBF-HBFX 125 | 11,5 | **435,70** |

# RP1



## INLET PROTECTION GUARD FOR AXIAL FANS

### MANUFACTURING FEATURES
- Inlet protection guard to avoid the entry of objects and contact with the impeller.
- Made of welded metal wire.
- According to ROHS 2002/95/EC Directive.

### UNDER REQUEST
- Stainless guard 304 or 316 with electro-polished finishing coat.

## REJILLA DE PROTECCIÓN EN ASPIRACIÓN PARA VENTILADORES HELICOIDALES

### CARACTERÍSTICAS CONSTRUCTIVAS
- Rejilla de protección en el lado de la aspiración contra la entrada de objetos y contacto con la hélice.
- Construida con varilla electrosoldada.
- En cumplimiento con la directiva ROHS 2002/95/EC.

### BAJO DEMANDA
- Rejilla en inoxidable 304 o 316 con acabado electropulido.

To find the RP1 code, choose the fan size on the following table of HB or HC (left column) and the motor size (top row). Once you have the code, go to the last table to check the RRP.
Para saber el código de una RP1 escoja en la tabla del HB o del HC el tamaño de ventilador (columna de la izquierda) y el tamaño del motor (fila superior). Cuando tenga el código vaya a la última tabla para saber el PVP.

## RP1 SELECTION DEPENDING ON THE HB, HBF, HBX, HBFX FAN SIZE AND MOTOR |
## SELECCIÓN DE RP1 SEGÚN TAMAÑO DEL VENTILADOR HB, HBF, HBX, HBFX Y DEL MOTOR

| HB | MOTOR SIZE \| TAMAÑO DEL MOTOR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 63 | 71 | 80 | 90S | 90L | 100 | 112 | 132 | 160 | 180 | 200 | 225 |
| 35 | 352 | 352 | 353 | | | | | | | | | |
| 40 | 402 | 402 | 402 | 403 | 403 | | | | | | | |
| 45 | 452 | 452 | 452 | 452 | 453 | | | | | | | |
| 50 | | 502 | 502 | 502 | 503 | 503 | | | | | | |
| 56 | | 562 | 562 | 562 | 563 | 563 | | | | | | |
| 63 | | | 631 | 631 | 632 | 633 | 633 | | | | | |
| 71 | | 712 | 712 | 712 | 713 | 714 | 714 | | | | | |
| 80 | | | | 801 | 801 | 802 | 802 | 803 | | | | |
| 90 | | | | | | 902 | 902 | 902 | 903 | 904 | | |
| 100 | | | | | | | 1002 | 1002 | 1003 | 1004 | | |
| 112 | | | | | | | | 1122 | 1122 | 1122 | 1123 | 1124 |
| 125 | | | | | | | | 1252 | 1252 | 1252 | 1253 | 1254 |

## RP1 SELECTION DEPENDING ON THE HC, HCF, HCX, HCFX FAN SIZE AND MOTOR |
## SELECCIÓN DE RP1 SEGÚN TAMAÑO DEL VENTILADOR HC, HCF, HCX, HCFX Y DEL MOTOR

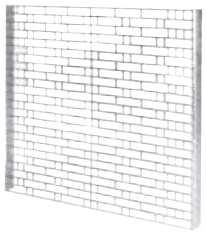
| HC | MOTOR SIZE \| TAMAÑO DEL MOTOR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 63 | 71 | 80 | 90S | 90L | 100 | 112 | 132 | 160 | 180 | 200 | 225 |
| 35 | 351 | 351 | 351 | | | | | | | | | |
| 40 | 401 | 401 | 401 | 401 | 401 | | | | | | | |
| 45 | 451 | 451 | 451 | 451 | 452 | | | | | | | |
| 50 | | 501 | 501 | 501 | 502 | 502 | | | | | | |
| 56 | | 561 | 561 | 561 | 562 | 562 | | | | | | |
| 63 | | | 631 | 631 | 631 | 632 | 632 | | | | | |
| 71 | | | 711 | 711 | 711 | 711 | 711 | | | | | |
| 80 | | | | 801 | 801 | 801 | 801 | 801 | | | | |
| 90 | | | | | | 901 | 901 | 901 | 903 | 903 | | |
| 100 | | | | | | | 1001 | 1001 | 1003 | 1003 | | |
| 112 | | | | | | | | 1121 | 1121 | 1121 | 1122 | 1122 |
| 125 | | | | | | | | 1251 | 1251 | 1251 | 1252 | 1252 |

## RP1 CODE AND RRP |
## CÓDIGO Y PVP DE LAS RP1

| Code<br>Código | Model<br>Modelo | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960003635 | RP1 351 | 1,70 | **81,50** |
| 960003636 | RP1 352 | 1,70 | **85,70** |
| 960003637 | RP1 353 | 1,70 | **89,90** |
| 960003640 | RP1 401 | 1,90 | **93,80** |
| 960003641 | RP1 402 | 1,90 | **98,50** |
| 960003642 | RP1 403 | 1,90 | **103,50** |
| 960003645 | RP1 451 | 2,50 | **105,30** |
| 960003646 | RP1 452 | 2,50 | **110,40** |
| 960003647 | RP1 453 | 2,50 | **116,30** |
| 960003650 | RP1 501 | 2,80 | **130,80** |
| 960003651 | RP1 502 | 2,80 | **137,30** |
| 960003652 | RP1 503 | 2,80 | **144,30** |
| 960003656 | RP1 561 | 4,20 | **153,20** |
| 960003657 | RP1 562 | 4,20 | **160,70** |
| 960003658 | RP1 563 | 4,20 | **169,00** |
| 960003663 | RP1 631 | 4,60 | **215,40** |
| 960003664 | RP1 632 | 4,60 | **226,10** |
| 960003665 | RP1 633 | 4,60 | **237,30** |
| 960003671 | RP1 711 | 5,20 | **247,20** |
| 960003672 | RP1 712 | 5,20 | **259,40** |
| 960003673 | RP1 713 | 5,20 | **272,50** |

| Code<br>Código | Model<br>Modelo | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960003674 | RP1 714 | 5,20 | **286,10** |
| 960003680 | RP1 801 | 8,10 | **287,10** |
| 960003681 | RP1 802 | 8,10 | **301,30** |
| 960003682 | RP1 803 | 8,10 | **316,40** |
| 960003690 | RP1 901 | 9,10 | **320,60** |
| 960003691 | RP1 902 | 9,10 | **336,50** |
| 960003692 | RP1 903 | 9,10 | **353,30** |
| 960003693 | RP1 904 | 9,10 | **371,10** |
| 960003610 | RP1 1001 | 10,10 | **382,60** |
| 960003611 | RP1 1002 | 10,10 | **401,90** |
| 960003612 | RP1 1003 | 10,10 | **421,90** |
| 960003613 | RP1 1004 | 10,10 | **443,10** |
| 960003620 | RP1 1121 | 11 | **486,30** |
| 960003621 | RP1 1122 | 11 | **510,70** |
| 960003622 | RP1 1123 | 11 | **536,30** |
| 960003623 | RP1 1124 | 11 | **563,10** |
| 960003625 | RP1 1251 | 12,70 | **614,10** |
| 960003626 | RP1 1252 | 12,70 | **644,80** |
| 960003627 | RP1 1253 | 12,70 | **676,80** |
| 960003628 | RP1 1254 | 12,70 | **710,80** |

# RI



## OUTLET PROTECTION GUARD FOR FANS

| MANUFACTURING FEATURES
• Galvanized protection grid on the outlet side to avoid the entry of objects and contact with the impeller.

## REJILLA DE IMPULSIÓN PARA VENTILADORES

|CARACTERÍSTICAS CONSTRUCTIVAS
• Rejilla de protección galvanizada para instalarla en la embocadura de impulsión contra la entrada de objetos y contacto con la turbina.

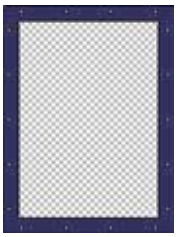
| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| A-960000401 | RI 7/7 | BD-BV 7/7 | **30,50** |
| A-960000403 | RI 9/7 | BD-BV 9/7 | **28,70** |
| A-960000404 | RI 9/9 | BD-BV-BVC 9/9 | **31,20** |
| A-960000405 | RI 10/8 | BD-BV 10/8 | **47,00** |
| A-960000406 | RI 10/10 | BD-BV-BVC 10/10 | **47,50** |
| A-960000407 | RI 12/9 | BD-BV 12/9 | **62,40** |
| A-960000408 | RI 12/12 | BD-BV-BVC 12/12 | **62,40** |
| A-960000409 | RI 15/15 | BD-BV-BVC-BVCR 15/15 | **91,90** |
| A-960000411 | RI 18/18 | BV-BVC-BVCR 18/18 | **118,00** |
| A-510100500 | RI 54x4 | See the following selection table<br>Ver tabla de selección a continuación | **54,00** |
| A-510100600 | RI 66x4 | | **54,00** |
| A-510100800 | RI 83x4 | | **54,00** |
| A-510100900 | RI 95x68 | | **41,00** |
| A-510101000 | RI 105x76 | | **43,50** |
| A-510101100 | RI 117x85 | | **48,70** |
| A-510101200 | RI 124x103 | | **35,90** |
| A-510101300 | RI 131x95 | | **54,00** |
| A-510101400 | RI 146x105 | | **66,60** |
| A-510101600 | RI 166x117 | | **72,00** |
| A-510101800 | RI 185x131 | | **74,40** |
| A-510102000 | RI 207x148 | | **54,00** |
| A-510102300 | RI 231x166 | | **66,60** |
| A-510102500 | RI 258x185 | See the following selection table<br>Ver tabla de selección a continuación | **72,00** |
| A-510102800 | RI 288x205 | | **74,40** |
| A-510103200 | RI 322x229 | | **74,40** |
| A-510103600 | RI 361x256 | | **82,00** |
| A-510104000 | RI 404x288 | | **107,70** |
| A-510104500 | RI 453x322 | | **125,60** |
| A-510105000 | RI 507x361 | | **138,70** |
| A-510105600 | RI 569x404 | | **154,10** |
| A-510106300 | RI 638x453 | | **169,70** |
| A-510107100 | RI 715x507 | | **182,20** |
| A-510108000 | RI 801x569 | | **190,20** |
| A-510108900 | RI 898x638 | | **226,00** |
| A-510110000 | RI 1007x715 | | **267,00** |

## SELECTION TABLE FOR RI OUTLET GRID |
## TABLA DE SELECCIÓN DE REJILLA DE IMPULSIÓN RI

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RI grid for each fan. The indicated sizes correspond to the RI grids.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RI. Los tamaños indicados corresponden a las rejillas RI.

| Ø | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAVM/ AATVM | AAVG/ AATVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AATA/ AATZA | MBCA/ MTCA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | - | - | - | - | - | - | - | - | - | - | - | 185x131 |
| 200 | - | - | - | - | - | - | - | - | - | - | - | 207x148 |
| 220 | 124x103 | - | - | - | 124x103 | - | - | - | - | - | - | 231x166 |
| 250 | 207x148 | 207x148 | - | 258x185 | 207x148 | - | - | - | - | - | - | 258x185 |
| 280 | 231x166 | 231x166 | - | 288x205 | 231x166 | - | - | - | - | - | - | 288x205 |
| 310 | 258x185 | 258x185 | - | 322x229 | 258x185 | - | - | - | - | 54x4 | - | 322x229 |
| 350 | 288x205 | 288x205 | - | 361x256 | 288x205 | 146x105 | - | - | - | 54x4 | - | 361x256 |
| 400 | 322x229 | 322x229 | 258x185 | 404x288 | 322x229 | 166x117 | - | 105x76 | - | 54x4 | 95x68 | 404x288 |
| 450 | 361x256 | 361x256 | 288x205 | 453x322 | 361x256 | 185x131 | 185x131 | 117x85 | - | 54x4 | 105x76 | 453x322 |
| 500 | 404x288 | 404x288 | 322x229 | 507x361 | 404x288 | 207x148 | 207x148 | 131x95 | 105x76 | 54x4 | 117x85 | 507x361 |
| 560 | 453x322 | 453x322 | 361x256 | 569x404 | 453x322 | 231x166 | 231x166 | 146x105 | 117x85 | 54x4 | 131x95 | 569x404 |
| 630 | 507x361 | 507x361 | 404x288 | 638x453 | 507x361 | 258x185 | 258x185 | 166x117 | 131x95 | 54x4 | 146x105 | 638x453 |
| 710 | 569x404 | 569x404 | 453x322 | 715x507 | 569x404 | 288x205 | 288x205 | 185x131 | 146x105 | 66x4 | 166x117 | 715x507 |
| 800 | 638x453 | 638x453 | 507x361 | 801x569 | 638x453 | 322x229 | 322x229 | 207x148 | 166x117 | 66x4 | 185x131 | 801x569 |
| 900 | 715x507 | 715x507 | 569x404 | 898x638 | 715x507 | 361x256 | 361x256 | 231x166 | 185x131 | 83x4 | 207x148 | 989x638 |
| 1000 | 801x569 | 801x569 | 638x453 | 1007x715 | 801x569 | 404x288 | 404x288 | 258x185 | 207x148 | 83x4 | 231x166 | 1007x715 |

# RIS



## OUTLET PROTECTION GUARD FOR STORM FANS

### MANUFACTURING FEATURES

- Protective grid for outlet installation in STORM medium pressure fans.
- Made of rolling steel sheet, protected against corrosion by powder coating of polyester resin.

## REJILLA DE IMPULSIÓN PARA VENTILADORES STORM

### CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en la boca de impulsión de los ventiladores de media presión STORM.
- Fabricada en chapa de acero laminado, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster.

| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| RIS-31198 | RIS 315x198 | **40,10** |
| RIS-31221 | RIS 315x221 | **40,10** |
| RIS-35224 | RIS 355x224 | **44,40** |
| RIS-35250 | RIS 355x250 | **44,40** |
| RIS-40252 | RIS 400x252 | **58,20** |
| RIS-40281 | RIS 400x281 | **58,20** |
| RIS-45284 | RIS 450x284 | **58,20** |
| RIS-45316 | RIS 450x316 | **58,20** |
| RIS-50316 | RIS 500x316 | **74,60** |
| RIS-50352 | RIS 500x352 | **74,60** |
| RIS-56354 | RIS 560x354 | **83,10** |
| RIS-56394 | RIS 560x394 | **83,10** |
| RIS-63398 | RIS 630x398 | **83,10** |

| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| RIS-63443 | RIS 630x443 | **83,10** |
| RIS-71449 | RIS 710x449 | **98,20** |
| RIS-71500 | RIS 710x500 | **98,20** |
| RIS-80505 | RIS 800x505 | **102,40** |
| RIS-80562 | RIS 800x562 | **102,40** |
| RIS-90567 | RIS 900x567 | **121,60** |
| RIS-90633 | RIS 900x633 | **121,60** |
| RIS-100633 | RIS 1000x633 | **143,90** |
| RIS-100704 | RIS 1000x704 | **143,90** |
| RIS-112801 | RIS 1130x801 | **Consult / Consultar** |
| RIS-125898 | RIS 1267x898 | **Consult / Consultar** |
| RIS-1401007 | RIS 1421x1007 | **Consult / Consultar** |

## SELECTION TABLE FOR STORM RIS OUTLET GRID |
## TABLA DE SELECCIÓN DE REJILLA DE IMPULSIÓN PARA STORM RIS

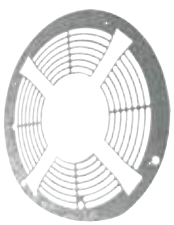
Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RIS grid for each fan.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RIS. Los tamaños indicados corresponden a las rejillas RIS.

| Storm fan size* / Tamaño ventilador Storm* | RIS |
|---|---|
| 311 | RIS 315x198 |
| 312 | RIS 315x198 |
| 313 | RIS 315x221 |
| 314 | RIS 315x221 |
| 351 | RIS 355x224 |
| 352 | RIS 355x224 |
| 353 | RIS 355x250 |
| 354 | RIS 355x250 |
| 401 | RIS 400x252 |
| 402 | RIS 400x252 |
| 403 | RIS 400x281 |
| 404 | RIS 400x281 |
| 451 | RIS 450x284 |
| 452 | RIS 450x284 |
| 453 | RIS 450x316 |
| 454 | RIS 450x316 |
| 501 | RIS 500x316 |
| 502 | RIS 500x316 |
| 503 | RIS 500x352 |
| 504 | RIS 500x352 |
| 561 | RIS 560x354 |
| 562 | RIS 560x354 |
| 563 | RIS 560x394 |
| 564 | RIS 560x394 |
| 631 | RIS 630x398 |

| Storm fan size* / Tamaño ventilador Storm* | RIS |
|---|---|
| 632 | RIS 630x398 |
| 633 | RIS 630x443 |
| 634 | RIS 630x443 |
| 711 | RIS 710x449 |
| 712 | RIS 710x449 |
| 713 | RIS 710x500 |
| 714 | RIS 710x500 |
| 801 | RIS 800x505 |
| 802 | RIS 800x505 |
| 803 | RIS 800x562 |
| 804 | RIS 800x562 |
| 901 | RIS 900x567 |
| 902 | RIS 900x567 |
| 903 | RIS 900x633 |
| 904 | RIS 900x633 |
| 1001 | RIS 1000x633 |
| 1002 | RIS 1000x633 |
| 1003 | RIS 1000x704 |
| 1004 | RIS 1000x704 |
| 1121 | Consult \|Consultar |
| 1122 | Consult \|Consultar |
| 1251 | Consult \|Consultar |
| 1252 | Consult \|Consultar |
| 1401 | Consult \|Consultar |
| 1402 | Consult \|Consultar |

* The Storm fan can be a NIMUS, NIMAX, PRESTUR, PREXTUR or IGNÉO.
* El ventilador Storm puede ser NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

# RM



## PROTECTION GRID FOR BD FANS, MOTOR SIDE

### MANUFACTURING FEATURES

- Motor side protection guard specially designed for low pressure direct driven fans.
- Manufactured in galvanized steel.

## REJILLA DE PROTECCIÓN PARA VENTILADORES BD, LADO MOTOR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en el lado motor de los ventiladores de baja presión a motor directo.
- Fabricada en acero galvanizado.

| Code / Código | Model / Modelo | Application / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|
| A-960000801 | RM 7 (T63) | BD 7/7 | **21,20** |
| A-960000806 | RM 9 (T63) | BD9/7-9/9M6 (STC), BD9/7, 9/9 (EC) | **31,70** |
| A-960000803 | RM 9 (T80) | BD9/7-9/9M4 (STC) | **31,70** |
| A-960000807 | RM 10 (T63) | BD10/8-10/10M6 (STC), BD10/8, 10/10 (EC) | **33,20** |
| A-960000804 | RM 10 (T80) | BD 10/8-10/10 M4 (STC) | **33,20** |
| A-960000808 | RM 12 (T80) | BD 12/9, BD 12/12 (EC) | **58,30** |
| A-960000805 | RM 12 (T90) | BD 12/9, BD 12/12 (STC) | **58,30** |

# RBS



## OUTLET PROTECTION GUARD

### MANUFACTURING FEATURES

- Outlet protection guard to avoid the entry of objects and contact with the impeller.
- Made of steel and protected against corrosion with polyester resin powder.

## REJILLA BOCA DE SALIDA

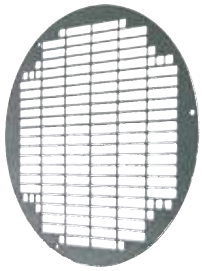
### CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en la embocadura de impulsión contra la entrada de objetos y contacto con la turbina.
- Fabricado en acero y protegido contra la corrosión con polvo de resina poliéster.

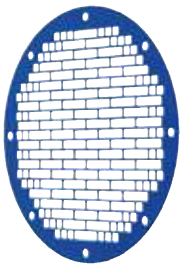
| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| A-960000352 | RBS 12/5 | MB 12/5 | **12,10** |
| A-960000353 | RBS 14/5 | MB 14/5 | **14,00** |
| A-960000354 | RBS 16/6 | MB 16/6 | **14,90** |
| A-960000376 | RBS 18 | MA18 | **7,90** |
| A-960000355 | RBS 18/7 | MB 18/7 | **19,30** |
| A-960000358 | RBS 20/6 | MB 20/6 | **16,30** |
| A-960000356 | RBS 20/8 | MB 20/8 | **23,10** |
| A-960000357 | RBS 22/9 | MB 22/9 | **40,70** |
| A-960000377 | RBS 24 | MA24 | **9,20** |
| A-960000378 | RBS 25 | MA25 | **10,70** |
| A-960000359 | RBS 25/10 | MB 25/10 | **46,00** |
| A-960000379 | RBS 26 | MA26 | **12,50** |
| A-960000381 | RBS 27 | MA27 | **14,90** |

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| A-960000382 | RBS 28 | MA28 | **18,90** |
| A-960000361 | RBS 28/11 | MB 28/11 | **53,60** |
| A-960000383 | RBS 31 | MA31 | **21,40** |
| A-960000362 | RBS 31/12 | MB 31/12 | **62,70** |
| A-960000363 | RBS 35/14 | MB 35/14 | **62,60** |
| A-960000364 | RBS 40/16 | MB 40/16 | **73,80** |
| A-960000371 | RBS 45/5 | AA45/5 | **36,70** |
| A-960000365 | RBS 45/18 | MB 45/18 | **89,10** |
| A-960000374 | RBS 47 | AA47-53 | **11,20** |
| A-960000372 | RBS 50/5 | AA50/5 | **43,10** |
| A-960000375 | RBS 59 | AA59-66-70 | **13,10** |
| A-960000373 | RBS 60/7 | AA60/7 | **46,70** |

# RA-RAI



**RA 19-39**



**RA 10/4-71/22**



**RAI**

## INLET PROTECTION GUARD FOR CENTRIFUGAL FANS

### MANUFACTURING FEATURES

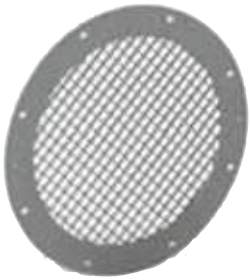
- Inlet protection guard to avoid the entry of objects and contact with the impeller.
- RA 7, 9, 10, 12 and 15 models made of galvanized steel. The rest of models are made of steel with polyester resin powder. RAI made of stainless steel AISI 304.

## REJILLA DE ASPIRACIÓN PARA VENTILADORES CENTRÍFUGOS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en la embocadura de aspiración para evitar la entrada de objetos y el contacto con la turbina.
- Fabricada en acero galvanizado los modelos RA 7, 9, 10, 12 y 15. Resto de modelos fabricados en acero con recubrimiento de polvo de resina de poliéster. RAI fabricada en acero inoxidable AISI 304.

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| A-960610100 | RA 7 | BD 7/7 | **20,00** |
| A-960630100 | RA 9 | BD 9/7, BD 9/9 | **27,60** |
| A-960650100 | RA 10 | BD 10/8, BD 10/10 | **27,60** |
| A-960670100 | RA 12 | BD 12/9, BD 12/12 | **46,70** |
| A-960690100 | RA 15 | BD 15/15 | **63,80** |
| | | | |
| A-253051901 | RA 10/4 | MA 18-24 | **10,60** |
| A-253061901 | RA 12/5 | MB 12/5 MA 25-26 | **10,70** |
| A-253101901 | RA 14/5 | MB 14/5 MA 27-28 | **10,70** |
| A-253111901 | RA 16/6 | MB 16/6 MA 31 AA 47-53 | **15,70** |
| A-253171901 | RA 18/7 | MB18/7 AA 59-66-70-45/5 | **23,60** |
| A-253191901 | RA 20/6 | MB 20/6-20/8 | **21,20** |
| A-253201901 | RA 22/9 | MB 22/9-AA50/5 | **25,50** |
| A-253281901 | RA 25/10 | MB-MBC 25/10-AA60/7 | **26,90** |
| A-253361901 | RA 28/11 | MB-MBC 28/11 | **31,50** |
| A-253451901 | RA 31/12 | MB-MBC 31/12 | **42,40** |
| A-253481901 | RA 35/14 | MB-MBC 35/14 | **43,50** |
| A-253511901 | RA 40/16 | MB-MBC 40/16 | **53,00** |
| A-253531901 | RA 45/18 | MB-MBC 45/18 | **81,90** |
| A-243501901 | RA 50/16 | See the following selection table<br>Ver tabla de selección a continuación | **109,60** |
| A-243561901 | RA 56/18 | | **112,40** |
| A-254541901 | RA 63/20 | | **130,70** |
| A-243711901 | RA 71/22 | | **136,70** |
| A-243801901 | RA 80 | | **159,30** |
| A-243901901 | RA 90 | | **200,60** |
| A-243101901 | RA 100 | | **248,90** |
| | | | |
| 300716102 | RAI 10/5 | MDI 10/5 | **42,40** |
| 300716502 | RAI 13/8-13/6 | MDI 13/6-13/8 | **50,00** |
| 300716702 | RAI 16/8 | MDI 16/8 | **51,40** |
| 300716902 | RAI 18/8 | MDI 18/8 | **63,10** |
| 300717102 | RAI 20/10 | MDI 20/10 | **94,10** |
| 300717302 | RAI 25/13 | MDI 25/13 | **84,60** |



RA 130-1007

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| A-510001300 | RA 130x4 | See the following selection table<br>Ver tabla de selección a continuación | **53,80** |
| A-510001400 | RA 145x8 | | **61,20** |
| A-510001600 | RA 165x8 | | **68,60** |
| A-510001800 | RA 185x8 | | **68,60** |
| A-510002000 | RA 205x8 | | **78,30** |
| A-510002200 | RA 228x8 | | **93,00** |
| A-510002500 | RA 255x8 | | **102,70** |
| A-510002800 | RA 285x8 | | **110,00** |
| A-510003200 | RA 320x8 | | **119,70** |
| A-510003600 | RA 360x8 | | **129,50** |
| A-510004000 | RA 405x8 | | **144,10** |
| A-510004500 | RA 455x8 | | **144,10** |
| A-510005000 | RA 505x8 | | **154,10** |
| A-510004001 | RA 405x12 | | **154,10** |
| A-510004501 | RA 455x12 | | **168,50** |
| A-510005001 | RA 505x12 | | **168,50** |
| A-510005600 | RA 565x12 | | **183,40** |
| A-510006300 | RA 635x12 | | **183,40** |
| A-510005601 | RA 565x16 | | **222,40** |
| A-510006301 | RA 635x16 | | **222,40** |
| A-510007100 | RA 715x16 | | **261,60** |
| A-510008000 | RA 805x16 | | **295,80** |
| A-510009000 | RA 905x16 | | **359,50** |
| A-510010000 | RA 1007x24 | | **413,20** |

## SELECTION TABLE FOR RA INLET GRID |
## TABLA DE SELECCIÓN DE REJILLA DE ASPIRACIÓN RA

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RA grid for each fan. The indicated sizes correspond to the RA grids.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RA. Los tamaños indicados corresponden a las rejillas RA.

| Ø | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAVM/ AATVM | AAVG/AA-ZVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AAZA/ AATZA | MBCA/ MTCA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | - | - | - | - | - | - | - | - | - | - | - | 185-8 |
| 200 | - | - | - | - | - | - | - | - | - | - | - | 205-8 |
| 220 | 103-4 | - | - | - | 130-4 | - | - | - | - | - | - | 228-8 |
| 250 | 185-8 | 205-8 | - | 255-8 | 185-8 | - | - | - | - | - | - | 255-8 |
| 280 | 205-8 | 228-8 | - | 285-8 | 205-8 | - | - | - | - | - | - | 285-8 |
| 310 | 228-8 | 255-8 | - | 320-8 | 228-8 | - | - | - | - | 145-8 | - | 320-8 |
| 350 | 255-8 | 285-8 | - | 360-8 | 255-8 | 185-8 | - | - | - | 145-8 | - | 360-8 |
| 400 | 285-8 | 320-8 | 255-8 | 405-8 | 285-8 | 205-8 | - | 145-8 | - | 145-8 | 130-8 | 405-8 |
| 450 | 320-8 | 360-8 | 285-8 | 455-8 | 320-8 | 228-8 | 225-8 | 165-8 | - | 145-8 | 145-8 | 455-8 |
| 500 | 360-8 | 405-12 | 320-8 | 505-8 | 360-8 | 255-8 | 255-8 | 185-8 | 145-8 | 145-8 | 165-8 | 505-8 |
| 560 | 405-12 | 455-12 | 360-8 | 565-16 | 405-12 | 285-8 | 285-8 | 205-8 | 165-8 | 145-8 | 185-8 | 565-16 |
| 630 | 455-12 | 505-12 | 405-12 | 635-16 | 455-12 | 320-8 | 320-8 | 228-8 | 185-8 | 145-8 | 205-8 | 635-16 |
| 710 | 505-12 | 565-12 | 455-12 | 715-16 | 505-12 | 360-8 | 360-8 | 255-8 | 205-8 | 165-8 | 228-8 | 715-16 |
| 800 | 565-12 | 635-12 | 505-12 | 805-16 | 565-12 | 405-12 | 405-12 | 285-8 | 228-8 | 165-8 | 255-8 | 805-16 |
| 900 | 635-12 | 715-16 | 565-12 | 905-16 | 635-12 | 455-12 | 455-12 | 320-8 | 255-8 | 185-8 | 285-8 | 905-16 |
| 1000 | 715-16 | 805-16 | 635-12 | 1007-16 | 715-16 | 505-12 | 505-12 | 360-8 | 285-8 | 185-8 | 320-8 | 1007-16 |

## SELECTION TABLE FOR RAS INLET GRID FOR STORM |
## TABLA DE SELECCIÓN DE REJILLA DE ASPIRACIÓN RAS PARA STORM

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RA grid for each fan.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RA.

| Storm fan size*<br>Tamaño ventilador Storm* | RA<br>RA |
|---|---|
| 311 | RA 31/12 |
| 312 | RA 31/12 |
| 313 | RA 31/12 |
| 314 | RA 31/12 |
| 351 | RA 35/14 |
| 352 | RA 35/14 |
| 353 | RA 35/14 |
| 354 | RA 35/14 |
| 401 | RA 40/16 |
| 402 | RA 40/16 |
| 403 | RA 40/16 |
| 404 | RA 40/16 |
| 451 | RA 45/18 |
| 452 | RA 45/18 |
| 453 | RA 45/18 |
| 454 | RA 45/18 |
| 501 | RA 50/16 |

| Storm fan size*<br>Tamaño ventilador Storm* | RA<br>RA |
|---|---|
| 502 | RA 50/16 |
| 503 | RA 50/16 |
| 504 | RA 50/16 |
| 561 | RA 56/18 |
| 562 | RA 56/18 |
| 563 | RA 56/18 |
| 564 | RA 56/18 |
| 631 | RA 63/20 |
| 632 | RA 63/20 |
| 633 | RA 63/20 |
| 634 | RA 63/20 |
| 711 | RA 71/22 |
| 712 | RA 71/22 |
| 713 | RA 71/22 |
| 714 | RA 71/22 |
| 801 | RA 80 |
| 802 | RA 80 |

| Storm fan size*<br>Tamaño ventilador Storm* | RA<br>RA |
|---|---|
| 803 | RA 80 |
| 804 | RA 80 |
| 901 | RA 90 |
| 902 | RA 90 |
| 903 | RA 90 |
| 904 | RA 90 |
| 1001 | RA 100 |
| 1002 | RA 100 |
| 1003 | RA 100 |
| 1004 | RA 100 |
| 1121 | RA 112 |
| 1122 | RA 112 |
| 1251 | RA 125 |
| 1252 | RA 125 |
| 1401 | RA 140 |
| 1402 | RA 140 |

* The indicated sizes correspond to the RA grids applied to STORM fans like: NIMUS, NIMAX, PRESTUR, PREXTUR or IGNÉO.
* Los tamaños indicados corresponden a las rejillas RA aplicadas los ventiladores STORM como: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

# PC2



## ALUMINIUM GRAVITY SHUTTER

**MANUFACTURING FEATURES**

- Overpressure backward damper for facade made of extruded aluminum and standard natural aluminum finishing.
- It incorporates weatherstrip in the fins to achieve greater efficiency in the closure and noise damping.
- Maintains overpressure or depression inside a room with respect to the outside or other adjacent rooms.
- Drills incorporated in frame for wall or duct fixing with screws or rivets.
- Recommended maximum air passage speed 6m/s. Maximum temperature of 80ºC.

## PERSIANA DE SOBREPRESIÓN EN ALUMINIO

**CARACTERÍSTICAS CONSTRUCTIVAS**

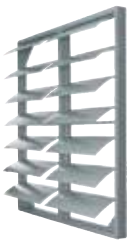
- Compuerta de sobrepresión antirretorno para fachada fabricada en aluminio extruído y acabado estándar aluminio natural.
- Incorpora burlete en las aletas para lograr una mayor eficacia en el cierre y en la amortiguación de ruidos.
- Mantiene la sobrepresión o depresión dentro de un local con respecto al exterior u otro local contiguo.
- Incorporan en el bastidor taladros para fijación en paramento o conducto mediante tornillos o remaches.
- Velocidad máxima recomendada de paso del aire 6m/s. Temperatura máxima de 80ºC.

| Code<br>Código | Model<br>Modelo | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| PC23030 | PC2 30 | 300 x 300 | HJEM 30 | **134,50** |
| PC24040 | PC2 40 | 400 x 400 | HJBM PLUS-HB-HC-HM 35-40 | **181,80** |
| PC25050 | PC2 50 | 500 x 500 | HJBM PLUS-HB-HC-HM 45-50 | **232,70** |
| PC26060 | PC2 60 | 600 x 600 | HJBM PLUS-HB-HC-HM 56 | **287,40** |
| PC27070 | PC2 70 | 700 x 700 | HB-HC-HM 63 | **345,60** |
| PC28080 | PC2 80 | 800 x 800 | HB-HC-HM 71-80 | **407,40** |
| PC2100100 | PC2 100 | 1000 x 1000 | HB-HC-HM 90-100 | **542,50** |

# PSD-2 / PCP



**PSD-2**



**PCP**

## PLASTIC GRAVITY SHUTTER

**MANUFACTURING FEATURES**

- PSD-2 totally made of PS.
- PCP louvres made of PVC and frame made of ABS up to size 71, PVC for highier models.
- Totally made of PVC plastic.
- Protected agains UV rays.
- When the fan is running, the shutter is open by air force and it is closed when the fan is stopped.
- Maximum air speed: 16m/s.

## PERSIANA SOBRE PRESIÓN EN PLÁSTICO

**CARACTERÍSTICAS CONSTRUCTIVAS**

- PSD-2 totalmente fabricada en PS.
- Lamas de PCP hechas de PVC y marco de ABS hasta el tamaño 71, marco de PVC para modelos superiores.
- Protección contra rayos UVA.
- Funciona con el flujo de aire abriéndose en funcionamiento y cerrándose cuando el ventilador está cerrado.
- Velocidad máxima del aire: 16m/s.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 300925900 | PSD-2 100 | Conductos circulares Ø100 | **12,20** |
| 300926000 | PSD-2 125 | Conductos circulares Ø125 | **19,40** |
| 300926100 | PSD-2 150 | Conductos circulares Ø150 | **20,70** |
| 963190105 | PCP 20 | HJEM 20 | **96,90** |
| 963200105G | PCP 25 | HJEM 25 | **94,30** |
| 963220105G | PCP 30 | HJEM-HJBM PLUS 30 | **102,20** |
| 963230105G | PCP 35 | HJEM-HJBM PLUS-HH 35 | **119,70** |
| 963230106G | PCP 40 | HJBM PLUS 40 | **119,80** |
| 963240105G | PCP 45 | HJBM PLUS-HB-HC-HM-HH 45 | **170,10** |
| 963240106G | PCP 50 | HJBM PLUS-HB-HC-HM 50 | **216,80** |
| 963250105G | PCP 56 | HJBM PLUS-HB-HC-HM-HH 56 | **289,70** |
| 963250106G | PCP 63 | HJBM PLUS-HB-HC-HM-HH 63 | **368,00** |
| 963260105 | PCP 71 | HB-HC-HM-HH 71 | **513,30** |
| 963270105 | PCP 80 | HH-HB-HC-HM-HB-HC-HMA 80 | **574,90** |
| 963280105 | PCP 90 | HH-HB-HC-HM 90 | **711,70** |
| 963290105 | PCP 100 | HB-HC-HM 100 | **884,70** |

# PI



## METALLIC GRAVITY SHUTTER CABINET FANS

**MANUFACTURING FEATURES**

- Frame made of galvanized sheet and shutters made of aluminium.
- To be fitted on centrifugal fans like BVFC, BOX BD and BOX BV.
- Certified 400ºC/2h.

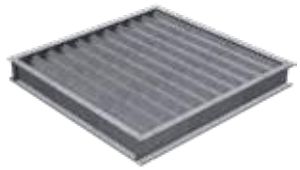
## PERSIANA SOBRE PRESIÓN METÁLICA PARA CAJAS DE VENTILACIÓN

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Marco en chapa galvanizada y lamas en aluminio.
- Para montaje en ventiladores centrífugos como BVFC, BOX BD y BOX BV.
- Certificado para 400ºC/2h.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 970190100 | PI 19/19 (7/7) | BOX BD, BOX BV 7/7 | **98,50** |
| 970250100 | PI 25/25 (9/9) | BOX BD, BOX BV, BVFC 9/9 | **119,20** |
| 970280100 | PI 28/28 (10/10) | BOX BD, BOX BV, BVFC 10/10 | **144,10** |
| 970330100 | PI 33/33 (12/12) | BOX BD, BOX BV, BVFC 12/12 | **185,10** |
| 970390100 | PI 39/39 (15/15) | BOX BD, BOX BV, BVFC 15/15 | **223,80** |
| 970470100 | PI 47/47 (18/18) | BOX BD, BOX BV, BVFC 18/18 | **325,30** |

# CMP-HUT



## DEPRESSION DUMPER (HORIZONTAL OR VERTICAL PLACEMENT)

Depression damper for ascending air flow in the intake. The slats block the passage of air when the fan is stopped while when the fan is running the slats move by depression allowing the passage of air. Robust U-shaped frame. The special holes in the corners allow a connection with common union systems on the market such as a duct working in plenum mode. It maintains the over-pressure or depression inside a room with respect to the outside or another adjoining room.

### MANUFACTURING FEATURES

- Galvanized steel frame, U-shaped to install in a duct.
- Aluminum slats.
- Ø12 shafts in galvanized steel.
- Ø12 bronze bushings.
- Suitable for 400°/2h (not certified) and temperatures below zero.
- It can be installed directly to the fan, although the use of the frame (B CMP) is recommended.
- Suitable for speed 18 m/s and with some turbulence.

## COMPUERTA DE DEPRESIÓN (POSICIONAMIENTO HORIZONTAL O VERTICAL)

Compuerta de depresión para flujo de aire ascendente en la aspiración. Las lamas obstaculizan el paso del aire cuando el ventilador está parado mientras que cuando el ventilador está funcionando las lamas se mueven por depresión permitiendo el paso del aire. Marco robusto en forma de U. Los agujeros especiales en las esquinas permiten un empalme con sistemas de unión habituales en el mercado como en conducto trabajando a plenum. Mantiene la sobrepresión o depresión dentro de un local con respecto al exterior u otro local contiguo.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Marco en acero galvanizado, en forma de U para instalar a conducto.
- Lamas de aluminio.
- Ejes de Ø12 en acero galvanizado.
- Casquillos de bronce Ø12.
- Apta para 400°/2h (no certificada) y temperaturas bajo cero.
- Se puede instalar directamente al ventilador, aunque se recomienda el uso del bastidor (B CMP).
- Apta para velocidad 18 m/s y con algo de turbulencia.

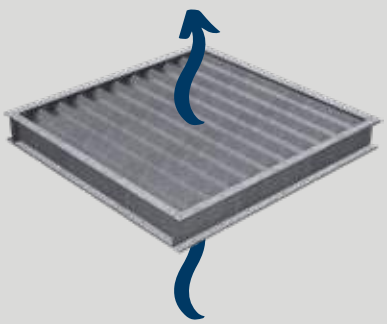
| Code<br>Código | Model<br>Modelo | Dimensions<br>Dimensiones | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| CMPHUT3031 | CMP-HUT 300x310 | 300x310 | CTH3-A ATEX 315/ KENTALROOF 315, ENKELROOF 310, 355 & 450 | **265,00** |
| CMPHUT5050 | CMP-HUT 500x500 | 500x500 | BOX HB 45 & 50 | **415,00** |
| CMPHUT5051 | CMP-HUT 500x510 | 500x510 | CTH3-A ATEX 355, 400 & 450/ KENTALROOF 355, 400, 450, 500, 560 | **415,00** |
| CMPHUT6363 | CMP-HUT 630x630 | 630x630 | BOX HB 56 & 63 | **580,00** |
| CMPHUT58080 | CMP-HUT 800x800 | 800x800 | BOX HB 71 & 80 | **670,00** |
| CMPHUT8081 | CMP-HUT 800x810 | 800x810 | CTH3-A ATEX 500, 560 & 630/ KENTALROOF 630 | **670,00** |
| CMPHUT100100 | CMP-HUT 1000x1000 | 1000x1000 | BOX HB 90 & 100 | **865,00** |
| CMPHUT100101 | CMP-HUT 1000x1010 | 1000x1010 | CTH3-A & F400 & ATEX 710 al 800 | **865,00** |
| CMPHUT125125 | CMP-HUT 1250x1250 | 1250x1250 | BOX HB 112 & 125 | **1.615,00** |

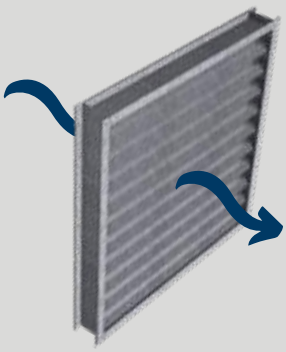
**horizontal or vertical** installation
instalación **horizontal o vertical**

**vertical** installation
instalación **vertical**

## CMP-HUT

## CMP-HLT







**vertical** flow
flujo **vertical**

**horizontal** flow
flujo **horizontal**

**horizontal** flow
flow **horizontal**

# CMP-HLT



## OVERPRESSURE DAMPER (VERTICAL POSITIONING)

Non-return overpressure damper for façades made of aluminum slats, which opens and closes automatically. It works with the airflow by opening during operation and closing when the fan is closed. L-shaped frame to be directly embedded. It maintains the overpressure or depression inside a room with respect to the outside or another adjoining room. They incorporate holes in the frame for fixing to the wall or duct by means of screws or rivets.

| MANUFACTURING FEATURES
- Galvanized steel frame for embedding, L-shaped.
- Aluminum slats.
- Ø12 shafts in galvanized steel.
- Ø12 bronze bushings.
- Suitable for 400°/2h (not certified) and temperatures below zero.
- Suitable for speed 18 m/s and with some turbulence.

## COMPUERTA DE SOBREPRESIÓN (POSICIONAMIENTO VERTICAL)

Compuerta de sobrepresión antirretorno para fachada fabricada con lamas de aluminio, que abre y cierra automáticamente. Funciona con el flujo de aire abriéndose en funcionamiento y cerrándose cuando el ventilador está cerrado. Marco en forma de L para ser empotrado directamente. Mantiene la sobrepresión o depresión dentro de un local con respecto al exterior u otro local contiguo. Incorporan en el bastidor taladros para fijación en paramento o conducto mediante tornillos o remaches.

| CARACTERÍSTICAS CONSTRUCTIVAS
- Marco en acero galvanizado para empotrar, en forma de L.
- Lamas de aluminio.
- Ejes de Ø12 en acero galvanizado.
- Casquillos de bronce Ø12.
- Apta para 400°/2h (no certificada) y temperaturas bajo cero.
- Apta para velocidad 18 m/s y con algo de turbulencia.

| Code<br>Código | Model<br>Modelo | Dimensions<br>Dimensiones | R.R.P €<br>P.V.P € |
|---|---|---|---|
| CMPHLT5050 | CMP-HLT 500x500 | 500 x 500 | **415,00** |
| CMPHLT6363 | CMP-HLT 630x630 | 630 x 630 | **580,00** |
| CMPHLT58080 | CMP-HLT 800x800 | 800 x 800 | **670,00** |
| CMPHLT100100 | CMP-HLT 1000x1000 | 1000 x 1000 | **865,00** |
| CMPHLT125125 | CMP-HLT 1250x1250 | 1250 x 1250 | **1.615,00** |



# B CMP

## FRAME FOR CMP-HUT / BASTIDOR PARA CMP-HUT

Union FRAME between CMP-HUT and BOX HB, or and roof fans. The frame ensures a perfect coupling between the fan and the CMP-HUT damper. The frame ensures the minimum distance recommended by Casals between the damper and the fan to reduce the impact of pressure loss, as well as turbulent air impacting against the slats, thus increasing the reliability of the product over the years, reducing noise and vibrations in the duct system, and ensuring the performances studied according to laboratory tests.

**MANUFACTURING FEATURES**
- Galvanized steel frame, U-shaped to install in a duct.
- Suitable for 400°/2h (not certified) and temperatures below zero.
- Suitable for speed 18 m/s and with some turbulence.

Bastidor de unión entre CMP-HUT y BOX HB, o los ventiladores de tejado. Dicho bastidor asegura un acople perfecto entre el ventilador y la compuerta CMP-HUT. El bastidor asegura la distancia mínima aconsejable por Casals entre la compuerta y el ventilador para reducir el impacto de la pérdida de carga, así como del aire turbulento impactando contra las lamas aumentando así la fiabilidad del producto a lo largo de los años, reduciendo el ruido y vibraciones en el sistema de conductos y asegurando las prestaciones estudiadas según ensayo laboratorio.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Marco en acero galvanizado, en forma de U para instalar a conducto.
- Apta para 400°/2h (no certificada) y temperaturas bajo cero.
- Apta para velocidad 18 m/s y con algo de turbulencia.

| Code<br>Código | Model<br>Modelo | Dimensions<br>Dimensiones | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| BCMP3031 | B CMP 300x310 (for CMP-HUT) | 310 x 310 | CTH3-A ATEX 315/ KENTALROOF 315, ENKELROOF 310, 355 & 450 | **130,00** |
| BCMP5050 | B CMP 500x500 (for CMP-HUT) | 500 x 500 | BOX HB 45 & 50 | **160,00** |
| BCMP5051 | B CMP 500x510 (for CMP-HUT) | 500 x 510 | CTH3-A ATEX 355, 400 & 450/ KENTALROOF 355, 400, 450, 500, 560 | **160,00** |
| BCMP6363 | B CMP 630x630 (for CMP-HUT) | 630 x 630 | BOX HB 56 & 63 | **180,00** |
| BCMP58080 | B CMP 800x800 (for CMP-HUT) | 800 x 800 | BOX HB 71 & 80 | **210,00** |
| BCMP8081 | B CMP 800x810 (for CMP-HUT) | 800 x 810 | CTH3-A ATEX 500, 560 & 630/ KENTALROOF 630 | **210,00** |
| BCMP100100 | B CMP 1000x1000 (for CMP-HUT) | 1000 x 1000 | BOX HB 90 & 100 | **245,00** |
| BCMP100101 | B CMP 1000x1010 (for CMP-HUT) | 1000 x 1010 | CTH3-3 F400 & ATEX 710 al 800 | **245,00** |
| BCMP125125 | B CMP 1250x1250 (for CMP-HUT) | 1250 x 1250 | BOX HB 112 & 125 | **280,00** |



# MESH CMP

## ANTIBIRD MESH FOR CMP-HUT / MALLA ANTIPÁJAROS PARA CMP-HUT

| Code<br>Código | Model<br>Modelo | Dimensions<br>Dimensiones | R.R.P €<br>P.V.P € |
|---|---|---|---|
| VISCMPHUT3031 | ANTIBIRD MESH CMP-HUT 300x310 | 300 x 310 | **80,00** |
| VISCMPHUT5050 | ANTIBIRD MESH CMP-HUT 500x500 | 500 x 500 | **105,00** |
| VISCMPHUT5051 | ANTIBIRD MESH CMP-HUT 500x510 | 500 x 510 | **105,00** |
| VISCMPHUT6363 | ANTIBIRD MESH CMP-HUT 630x630 | 630 x 630 | **125,00** |
| VISCMPHUT58080 | ANTIBIRD MESH CMP-HUT 800x800 | 800 x 800 | **160,00** |
| VISCMPHUT8081 | ANTIBIRD MESH CMP-HUT 800x810 | 800 x 810 | **160,00** |
| VISCMPHUT100100 | ANTIBIRD MESH CMP-HUT 1000x1000 | 1000 x 1000 | **215,00** |
| VISCMPHUT100101 | ANTIBIRD MESH CMP-HUT 1000x1010 | 1000 x 1010 | **215,00** |
| VISCMPHUT125125 | ANTIBIRD MESH CMP-HUT 1250x1250 | 1250 x 1250 | **300,00** |

# OP SB-3



## OVERPRESSURE DAMPER FOR SB-3

### MANUFACTURING FEATURES

- Overpressure backward damper for duct made of extruded aluminum and standard natural aluminum finishing.
- It incorporates weatherstrip in the fins to achieve greater efficiency in the closure and noise damping.
- Maintains overpressure inside a room with respect to the outside or other adjacent rooms.
- Drills incorporated in frame for wall or duct fixing with screws or rivets.
- Minimum air passage speed 2m/s. Recommended maximum air passage speed 6m/s. maximum temperature of 80ºC.

## COMPUERTA DE SOBREPRESION PARA SB-3

### CARACTERÍSTICAS CONSTRUCTIVAS

- Compuerta de sobrepresión antirretorno para conducto fabricada en aluminio extruído y acabado estándar aluminio natural.
- Incorpora burlete en las aletas para lograr una mayor eficacia en el cierre y en la amortiguación de ruidos.
- Mantiene la sobrepresión dentro de un local con respecto al exterior u otro local contiguo.
- Incorporan en el bastidor taladros para fijación en paramento o conducto mediante tornillos o remaches.
- Velocidad mínima de paso de aire 2m/s. Velocidad máxima recomendada de paso del aire 6m/s. Temperatura máxima de 80ºC.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| OP-SB33015 | OP SB-3 3015 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 3015 | 0,64 | **119,70** |
| OP-SB34020 | OP SB-3 4020 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 4020 | 0,93 | **151,20** |
| OP-SB35035 | OP SB-3 5035 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 5035 | 1,37 | **237,90** |
| OP-SB36040 | OP SB-3 6040 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 6040 | 1,78 | **264,60** |
| OP-SB37050 | OP SB-3 7050 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 7050 | 2,29 | **328,60** |
| OP-SB38060 | OP SB-3 8060 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 8060 | 2,86 | **396,70** |

# BSH-BSV



## HORIZONTAL OR VERTICAL BUTTERFLY SHUTTER

### MANUFACTURING FEATURES

- Made of cold-galvanized steel sheet.
- Overpressure damper BSH/BSV is used in duct and it is installed in the outlet side.
- Available for vertical and horizontal ducting.
- Designed for fan insulation from the rest of the installation and avoid any risk of recirculation.
- The fins of the BSH/BSV damper are opened by the air flow when the fan runs and close under the effect of gravity when fan stops.
- The overpressure damper BSH/BSV (backward) has the shape of a casing taking the dimensions of the standard Casals flanges diameters. On this dimension, two fins of sheet metal are adapted, each one of them turning on an axis that passes through the casing, and they stop at the end with two fixed stops.
- Maximum working temperature in the environment: 60ºC.

## COMPUERTA DE SOBREPRESIÓN HORIZONTAL O VERTICAL PARA VENTILADORES HELICOIDALES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricadas en chapa de acero galvanizado en frío.
- La compuerta de sobrepresión BSH/BSV se usa en conducto y va en la impulsión de los ventiladores.
- Disponible para conducto vertical y horizontal.
- Diseñado para aislar el ventilador del resto de la instalación y evitar cualquier riesgo de recirculado.
- Las aletas de la compuerta BSH/BSV se abren por el flujo de aire al ponerse en marcha del ventilador y se cierran bajo el efecto de la gravedad cuando se detiene.
- La compuerta de sobrepresión BSH/BSV (antirretorno) tiene la forma de un envolvente tomando las dimensiones de los diámetros de las bridas estándares de Casals. Sobre esta base, se adaptan dos aletas de chapa metálica, cada una de ellas girando sobre un eje que pasa a través de la carcasa, y se detienen al final de la carrera mediante dos paradas fijas a la misma.
- Temperatura máxima de trabajo en ambiente: 60ºC.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| COMPBSH250 | BSH 250 | BOX RL PLUS EVO 250. | 5,10 | **277,70** |
| COMPBSH315 | BSH 315 | HMR 315,HMRF 315, BOX RL PLUS EVO 315. | 6,80 | **278,90** |
| COMPBSH350 | BSH 350 | HM 35, HC 35, HH 35, BOX RL 35, HMR 355. Incluidas versiones Fuego, Atex y FX. | 7,80 | **291,70** |
| COMPBSH400 | BSH 400 | HM 40, HC 40, BOX RL 400, HMR 400. Incluidas versiones Fuego, Atex y FX. | 8,90 | **324,70** |
| COMPBSH450 | BSH 450 | HM 45, HC 45, HH 45, BOX RL 450, HMR 450, BOX HB 45. Incluidas versiones Fuego, Atex y FX. | 10,20 | **327,60** |
| COMPBSH500 | BSH 500 | HM 50, HC 50, BOX RL 500, HMR 500, BOX HB 500. Incluidas versiones Fuego, Atex y FX. | 11,60 | **357,30** |
| COMPBSH560 | BSH 560 | HM 56, HC 56, HH 56, BOX RL 560, HMR 560, BOX HB 56. Incluidas versiones Fuego, Atex y FX. | 13,30 | **396,30** |
| COMPBSH630 | BSH 630 | HM 63, HC 63, HH 630, BOX RL 630, HMR 630, BOX HB 63. Incluidas versiones Fuego, Atex y FX. | 15,40 | **439,30** |
| COMPBSH710 | BSH 710 | HM 71, HC 71, HH 71, BOX RL 710, HMR 710, BOX HB 71. Incluidas versiones Fuego, Atex y FX. | 17,70 | **495,90** |
| COMPBSH800 | BSH 800 | HM 80, HC 80, BOX RL 800, HMR 800, BOX HB 80. Incluidas versiones Fuego, Atex y FX. | 21,10 | **576,60** |
| COMPBSH900 | BSH 900 | HM 90, HC 90, HH 90, BOX HB 90. Incluidas versiones Fuego, Atex y FX. | 39,20 | **905,50** |
| COMPBSH1000 | BSH 1000 | HM 100, HC 100, BOX HB 100. Incluidas versiones Fuego, Atex y FX. | 44,10 | **1.070,10** |
| COMPBSH1120 | BSH 1120 | HM 112, HC 112, BOX HB 112. Incluidas versiones Fuego, Atex y FX. | 58,20 | **1.274,80** |
| COMPBSH1250 | BSH 1250 | HM 125, HC 125, BOX HB 125. Incluidas versiones Fuego, Atex y FX. | 83,80 | **1.638,30** |

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| COMPBSV250 | BSV 250 | BOX RL PLUS EVO 250. | 5,10 | **277,70** |
| COMPBSV315 | BSV 315 | HMR 315,HMRF 315, BOX RL PLUS EVO 315. | 6,80 | **278,90** |
| COMPBSV350 | BSV 350 | HM 35, HC 35, HH 35, BOX RL 35, HMR 355. Incluidas versiones Fuego, Atex y FX. | 7,80 | **291,70** |
| COMPBSV400 | BSV 400 | HM 40, HC 40, BOX RL 400, HMR 400. Incluidas versiones Fuego, Atex y FX. | 8,90 | **324,70** |
| COMPBSV450 | BSV 450 | HM 45, HC 45, HH 45, BOX RL 450, HMR 450, BOX HB 45. Incluidas versiones Fuego, Atex y FX. | 10,20 | **327,60** |
| COMPBSV500 | BSV 500 | HM 50, HC 50, BOX RL 500, HMR 500, BOX HB 500. Incluidas versiones Fuego, Atex y FX. | 11,60 | **357,30** |
| COMPBSV550 | BSV 560 | HM 56, HC 56, HH 56, BOX RL 560, HMR 560, BOX HB 56. Incluidas versiones Fuego, Atex y FX. | 13,30 | **396,30** |
| COMPBSV630 | BSV 630 | HM 63, HC 63, HH 630, BOX RL 630, HMR 630, BOX HB 63. Incluidas versiones Fuego, Atex y FX. | 15,40 | **439,30** |
| COMPBSV710 | BSV 710 | HM 71, HC 71, HH 71, BOX RL 710, HMR 710, BOX HB 71. Incluidas versiones Fuego, Atex y FX. | 17,70 | **495,90** |
| COMPBSV800 | BSV 800 | HM 80, HC 80, BOX RL 800, HMR 800, BOX HB 80. Incluidas versiones Fuego, Atex y FX. | 21,10 | **576,60** |
| COMPBSV900 | BSV 900 | HM 90, HC 90, HH 90, BOX HB 90. Incluidas versiones Fuego, Atex y FX. | 39,20 | **905,50** |
| COMPBSV1000 | BSV 1000 | HM 100, HC 100, BOX HB 100. Incluidas versiones Fuego, Atex y FX. | 44,10 | **1.300,80** |
| COMPBSV1120 | BSV 1120 | HM 112, HC 112, BOX HB 112. Incluidas versiones Fuego, Atex y FX. | 58,20 | **1.452,00** |
| COMPBSV1250 | BSV 1250 | HM 125, HC 125, BOX HB 125. Incluidas versiones Fuego, Atex y FX. | 83,80 | **1.782,60** |

# BDC



GALVANIZED SHEET-METAL BACKDRAUGHT SHUTTER TO INSTALL IN THE DISCHARGE OF THE FANS

COMPUERTA ANTIRRETORNO EN ACERO GALVANIZADO PARA INSTALAR EN LA DESCARGA DE LOS VENTILADORES

## MANUFACTURING FEATURES

• Galvanized sheet-metal backdraught shutter with aluminium fins and return springs to install in the discharge of the fans. They prevent odors, air currents, water penetration due to rain when the fans are off and prevent heating leaks when the extractor does not work.

## CARACTERÍSTICAS CONSTRUCTIVAS

• Compuertas antirretorno en acero galvanizado con aletas en aluminio para instalar en la descarga de los ventiladores. Impiden la entrada de olores, corrientes de aire, penetracion de agua debido a lluvias cuando los ventiladores estan apagados y evitan fugas de calefaccion cuando el extractor no funciona.

| Code<br>Código | Model<br>Modelo | Ø<br>Ø | Application<br>Aplicable | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| BDC100 | BDC Ø 100 | 100 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 100 | - | **45,30** |
| BDC125 | BDC Ø 125 | 125 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 125 | - | **50,50** |
| BDC150 | BDC Ø 150 | 150 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 150 | - | **58,60** |
| BDC160 | BDC Ø 160 | 160 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 160 | - | **57,40** |
| BDC200 | BDC Ø 200 | 200 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 200 | - | **72,10** |
| BDC250 | BDC Ø 250 | 250 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 250 | - | **84,00** |
| BDC315 | BDC Ø 315 | 315 | KUVIO, KUVIO EEC, KUVIO-Q EEC 100, BT-3, BT-3 EEC, SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 315 | - | **113,30** |
| BDC355 | BDC Ø 355 | 355 | SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 355 | - | **190,80** |
| BDC400 | BDC Ø 400 | 400 | SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 400 | - | **223,80** |
| BDC450 | BDC Ø 450 | 450 | SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, S BC-3 PLUS FILTER EEC 450 | 8 | **761,20** |
| BDC560 | BDC Ø 500 | 500 | SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 500 | 8,70 | **880,30** |
| BDC500 | BDC Ø 560 | 560 | SBC-3 EEC, SBC-3 PLUS EEC, SBC-3 FILTER EEC, SBC-3 PLUS FILTER EEC 560 | 10 | **834,70** |

# BOX FILTER



**For BOX BD/BV PLUS**
**Para BOX BD/BV PLUS**



**For ENKELBOX PLUS & KENTALCOOK**
**Para ENKELBOX PLUS & KENTALCOOK**

## EXTERNAL BOX FILTER

**MANUFACTURING FEATURES**

- Box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning or maintenance.
- Box is supplied without filters.

## CAJA PORTAFILTROS EXTERIOR

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Caja con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza o mantenimiento.
- El cajón se suministra sin filtro.

## BOX FILTER FOR BOX BD/BV PLUS | BOX FILTER PARA BOX BD/BV PLUS

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Filter sizes<br>Medidas filtro | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| 251168471 | BOX FILTER 500x500x300 | BOX BD/BV PLUS 7/7 | 438x390x48 | **279,30** |
| 251288471 | BOX FILTER 550x550x300 | BOX BD/BV PLUS 9/9 | 488x440x48 | **307,20** |
| 251378471 | BOX FILTER 600x600x300 | BOX BD/BV PLUS 10/10 | 538x490x48 | **338,20** |
| 251528471 | BOX FILTER 700x700x300 | BOX BD/BV PLUS 12/12 | 638x590x48 | **371,80** |
| 252378471 | BOX FILTER 800x800x300 | BOX BD/BV PLUS 15/15 | 2u 369x690x48 | **409,00** |
| 252458471 | BOX FILTER 950x950x300 | BOX BD/BV PLUS 18/18 | 2u 448x840x48 | **537,70** |

## BOX FILTER FOR ENKELBOX PLUS | BOX FILTER PARA ENKELBOX PLUS

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Filter sizes<br>Medidas filtro | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| BFENKBP155 | BOX FILTER 330x330x180 | ENKELBOX PLUS 155 | 268x231x24 | **209,00** |
| BFENKBP190 | BOX FILTER 342x342x180 | ENKELBOX PLUS 190 | 280x243x24 | **219,50** |
| BFENKBP250 | BOX FILTER 417x417x180 | ENKELBOX PLUS 250 | 335x318x24 | **245,60** |
| BFENKBP315 | BOX FILTER 512x512x240 | ENKELBOX PLUS 310 | 450x410x48 | **280,10** |
| BFENKBP355 | BOX FILTER 562x562x240 | ENKELBOX PLUS 355 | 500x460x48 | **308,30** |
| BFENKBP450 | BOX FILTER 692x692x240 | ENKELBOX PLUS 450 | 630x590x48 | **365,80** |
| BFENKBP500 | BOX FILTER 772x772x240 | ENKELBOX PLUS 500 | 670x710x48 | **375,80** |
| BFENKBP560 | BOX FILTER 862x862x240 | ENKELBOX PLUS 560 | 862x862x240 | **381,40** |
| BFENKBP630 | BOX FILTER 962x962x240 | ENKELBOX PLUS 630 | 962x962x240 | **525,50** |

## BOX FILTER FOR KENTALBOX PLUS & KENTALCOOK | BOX FILTER PARA KENTALBOX PLUS & KENTALCOOK

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Filter sizes<br>Medidas filtro | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| BFKENBP315 | BOX FILTER 585x585x300 | KENTALBOX PLUS & KENTALCOOK 315 | 2u 475x261,5x48 | **325,00** |
| BFKENBP355 | BOX FILTER 650x650x300 | KENTALBOX PLUS & KENTALCOOK 355 | 2u 540x294x48 | **350,00** |
| BFKENBP400 | BOX FILTER 730x730x300 | KENTALBOX PLUS & KENTALCOOK 400 | 2u 620x334x48 | **385,00** |
| BFKENBP450 | BOX FILTER 880x880x300 | KENTALBOX PLUS & KENTALCOOK 450 | 2u 770x409x48 | **480,00** |
| BFKENBP500 | BOX FILTER 940x940x300 | KENTALBOX PLUS & KENTALCOOK 500 | 2u 830x439x48 | **510,00** |
| BFKENBP560 | BOX FILTER 1030x1030x300 | KENTALBOX PLUS & KENTALCOOK 560 | 2u 920x484x48 | **620,00** |
| BFKENBP630 | BOX FILTER 1120x1120x300 | KENTALBOX PLUS & KENTALCOOK 630 | 2u 1010x529x48 | **685,00** |

## FILTER FOR BOX FILTER | FILTROS PARA BOX FILTER



### CFGF

Cell filter with galvanized frame /
Filtro de celdas con marco galvanizado

### ISO COARSE ≥60% (G4)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTG04012 | 438x390x48 | BOX FILTER 500x500x300 | 1700 | 60 | **27,50** |
| FILTG04015 | 488x440x48 | BOX FILTER 550x550x300 | 2100 | 60 | **34,70** |
| FILTG04017 | 538x490x48 | BOX FILTER 600x600x300 | 2600 | 60 | **34,70** |
| FILTG04019 | 638x590x48 | BOX FILTER 700x700x300 | 3700 | 60 | **44,70** |
| FILTG04011* | 369x690x48 | BOX FILTER 800x800x300 | 2500 | 60 | **64,30** |
| FILTG04014* | 444x840x48 | BOX FILTER 950x950x300 | 3600 | 60 | **85,20** |
| FILTG04051* | 770x409x48 | BOX FILTER 880x880x300 | Consult \|Consultar | Consult \|Consultar | **35,00** |
| FILTG04052* | 830x439x48 | BOX FILTER 940x940x300 | Consult \|Consultar | Consult \|Consultar | **41,00** |
| FILTG04053* | 920x484x48 | BOX FILTER 1030x1030x300 | Consult \|Consultar | Consult \|Consultar | **47,50** |
| FILTG04054* | 1010x529x48 | BOX FILTER 1120x1120x300 | Consult \|Consultar | Consult \|Consultar | **52,50** |

* Please, once you place the order indicate 2 units for this code.
* Por favor, cuando haga el pedido indique dos unidades de este código.



## CFF

Filter cells with FiberPlast frame /
Filtro de celdas con marco FiberPlast

### ISO COARSE ≥60% (G4)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTG04037 | 243x280x24 | BOX FILTER 342x342x180 | 380 | 35 | **15,40** |
| FILTG04036 | 268x231x24 | BOX FILTER 330x330x180 | 350 | 35 | **15,30** |
| FILTG04038 | 355x318x24 | BOX FILTER 417x417x80 | 620 | 35 | **17,60** |
| FILTG04039 | 450x410x48 | BOX FILTER 512x512x240 | 1800 | 65 | **21,80** |
| FILTG04040 | 500x560x48 | BOX FILTER 562x562x240 | 2800 | 65 | **26,30** |
| FILTG04041 | 630x590x48 | BOX FILTER 692x692x240 | 3500 | 65 | **36,50** |
| FILTG04048* | 475x261,5x48 | BOX FILTER 585x585x300 | Consult \|Consultar | Consult \|Consultar | **17,40** |
| FILTG04049* | 540x294x48 | BOX FILTER 650x650x300 | Consult \|Consultar | Consult \|Consultar | **17,50** |
| FILTG04050* | 620x334x48 | BOX FILTER 730x730x300 | Consult \|Consultar | Consult \|Consultar | **25,00** |
| FILTG04098 | 670x710x48 | BOX FILTER 772x772x240 | Consult \|Consultar | Consult \|Consultar | **51,50** |
| FILTG04099 | 760x800x48 | BOX FILTER 862x862x240 | Consult \|Consultar | Consult \|Consultar | **32,50** |
| FILTG04100 | 860x900x48 | BOX FILTER 962x962x240 | Consult \|Consultar | Consult \|Consultar | **47,50** |



## CHEF

High efficiency, rigid and compact filters /
Filtro compacto rígido de alta eficacia

### ePM1≥50% (F7)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTF07025 | 438x390x48 | BOX FILTER 500x500x300 | 1250 | 90 | **108,10** |
| FILTF07027 | 488x440x48 | BOX FILTER 550x550x300 | 1500 | 90 | **124,40** |
| FILTF07028 | 538x490x48 | BOX FILTER 600x600x300 | 1950 | 90 | **143,00** |
| FILTF07030 | 638x590x48 | BOX FILTER 700x700x300 | 2700 | 90 | **189,00** |
| FILTF07024* | 369x690x48 | BOX FILTER 800x800x300 | 1900 | 90 | **124,40** |
| FILTF07026* | 444x840x48 | BOX FILTER 950x950x300 | 2700 | 90 | **189,00** |
| FILTF07048 | 243x280x24 | BOX FILTER 342x342x180 | 350 | 90 | **33,40** |
| FILTF07047 | 268x231x24 | BOX FILTER 330x330x180 | 300 | 90 | **32,90** |
| FILTF07049 | 355x318x24 | BOX FILTER 417x417x80 | 500 | 90 | **40,40** |
| FILTF07050 | 450x410x48 | BOX FILTER 512x512x240 | 1350 | 90 | **64,30** |
| FILTF07051 | 500x560x48 | BOX FILTER 562x562x240 | 2050 | 90 | **105,50** |
| FILTF07052 | 630x590x48 | BOX FILTER 692x692x240 | 3000 | 90 | **117,40** |
| FILTF07063* | 475x261,5x48 | BOX FILTER 585x585x300 | Consult \|Consultar | Consult \|Consultar | **62,50** |
| FILTF07064* | 540x294x48 | BOX FILTER 650x650x300 | Consult \|Consultar | Consult \|Consultar | **70,00** |
| FILTF07065* | 620x334x48 | BOX FILTER 730x730x300 | Consult \|Consultar | Consult \|Consultar | **75,00** |
| FILTF07066* | 770x409x48 | BOX FILTER 880x880x300 | Consult \|Consultar | Consult \|Consultar | **80,00** |
| FILTF07067* | 830x439x48 | BOX FILTER 940x940x300 | Consult \|Consultar | Consult \|Consultar | **94,50** |
| FILTF07068* | 920x484x48 | BOX FILTER 1030x1030x300 | Consult \|Consultar | Consult \|Consultar | **112,50** |
| FILTF07069* | 1010x529x48 | BOX FILTER 1120x1120x300 | Consult \|Consultar | Consult \|Consultar | **125,00** |
| FILTF07150 | 670x710x48 | BOX FILTER 772x772x240 | Consult \|Consultar | Consult \|Consultar | **131,00** |
| FILTF07151 | 760x800x48 | BOX FILTER 862x862x240 | Consult \|Consultar | Consult \|Consultar | **165,50** |
| FILTF07152 | 860x900x48 | BOX FILTER 962x962x240 | Consult \|Consultar | Consult \|Consultar | **215,00** |

### ePM1≥ 80% (F9)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTF09023 | 438x390x48 | BOX FILTER 500x500x300 | 850 | 130 | **112,40** |
| FILTF09025 | 488x440x48 | BOX FILTER 550x550x300 | 1055 | 130 | **129,60** |
| FILTF09026 | 538x490x48 | BOX FILTER 600x600x300 | 1060 | 130 | **148,80** |
| FILTF09027 | 638x590x48 | BOX FILTER 700x700x300 | 1850 | 130 | **196,90** |
| FILTF09022* | 369x690x48 | BOX FILTER 800x800x300 | 1250 | 130 | **129,60** |
| FILTF09024* | 444x840x48 | BOX FILTER 950x950x300 | 1800 | 130 | **196,90** |
| FILTF09037 | 243x280x24 | BOX FILTER 342x342x180 | 300 | 130 | **34,50** |
| FILTF09036 | 268x231x24 | BOX FILTER 330x330x180 | 250 | 130 | **33,80** |
| FILTF09038 | 355x318x24 | BOX FILTER 417x417x80 | 450 | 130 | **42,90** |
| FILTF09039 | 450x410x48 | BOX FILTER 512x512x240 | 1000 | 130 | **65,40** |
| FILTF09040 | 500x560x48 | BOX FILTER 562x562x240 | 1400 | 130 | **108,40** |
| FILTF09041 | 630x590x48 | BOX FILTER 692x692x240 | 2100 | 130 | **122,80** |
| FILTF09051* | 475x261,5x48 | BOX FILTER 585x585x300 | Consult \|Consultar | Consult \|Consultar | **70,00** |
| FILTF09052* | 540x294x48 | BOX FILTER 650x650x300 | Consult \|Consultar | Consult \|Consultar | **78,00** |
| FILTF09053* | 620x334x48 | BOX FILTER 730x730x300 | Consult \|Consultar | Consult \|Consultar | **84,00** |
| FILTF09054* | 770x409x48 | BOX FILTER 880x880x300 | Consult \|Consultar | Consult \|Consultar | **90,00** |
| FILTF09055* | 830x439x48 | BOX FILTER 940x940x300 | Consult \|Consultar | Consult \|Consultar | **106,00** |
| FILTF09056* | 920x484x48 | BOX FILTER 1030x1030x300 | Consult \|Consultar | Consult \|Consultar | **126,00** |
| FILTF09057* | 1010x529x48 | BOX FILTER 1120x1120x300 | Consult \|Consultar | Consult \|Consultar | **140,00** |
| FILTF09067 | 670x710x48 | BOX FILTER 772x772x240 | Consult \|Consultar | Consult \|Consultar | **137,50** |
| FILTF09068 | 760x800x48 | BOX FILTER 862x862x240 | Consult \|Consultar | Consult \|Consultar | **170,00** |
| FILTF09069 | 860x900x48 | BOX FILTER 962x962x240 | Consult \|Consultar | Consult \|Consultar | **220,00** |

* Please, once you place the order indicate 2 units for this code.
* Por favor, cuando haga el pedido indique dos unidades de este código.

# CPCC



## FILTER-SUPPORT CASING FOR CIRCULAR DUCTS

### MANUFACTURING FEATURES

- Filter-support casing for circular duct made of galvanized steel for direct connection to circular duct. Specially designed to make maintenance easier for the end user since filters can be removed and replaced without tools.
- Possibility of having a double filtration stage. Combination of filters ISO ePM1≥50% (F7), ISO ePM1≥80% (F9) and ISO COARSE≥60% (G4).
- CPCC of Ø100, 125 and 160 have two 24mm rails for the double filtration stage.
- CPCC models with larger diameters up to 630mm, have two 48mm rails for the double filtration stage.

### UNDER REQUEST

- Made of stainless steel 304 and 316.

## CAJÓN PORTAFILTROS PARA CONDUCTO CIRCULAR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Cajón de portafiltros para conducto circular fabricado en acero galvanizado para una directa conexión a conducto circular. Especialmente diseñado para facilitar el mantenimiento al usuario final ya que se pueden sacar y remplazar los filtros sin herramientas.
- Posibilidad de tener una doble etapa de filtración. Combinación de filtros ISO ePM1≥50% (F7), ISO ePM1≥80% (F9) y ISO COARSE≥60% (G4).
- Los CPCC de Ø100, 125 y 160 llevan dos raíles de 24mm para la doble etapa de filtración.
- Los CPCC de diámetros superiores hasta 630mm, llevan dos raíles de 48mm para la doble etapa de filtración.

### UNDER REQUEST

- Construcción en inox 304 y 316.

| Code | Model | Ø | Dimensions (mm) | Max. airflow m³/h | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|
| Código | Modelo | Ø | Dimensiones (mm) | Caudal máx. m³/h | Peso Kg | P.V.P € |
| CPCC100 | CPCC 100 | 98,00 | 195 x 195 x 24 | 150 | 1 | **66,10** |
| CPCC125 | CPCC 125 | 123,00 | 195 x 195 x 24 | 250 | 1 | **70,60** |
| CPCC160 | CPCC 160 | 158,00 | 287 x 287 x 24 | 400 | 1,5 | **74,90** |
| CPCC200 | CPCC 200 | 198,00 | 287 x 287 x 48 | 650 | 2 | **88,00** |
| CPCC250 | CPCC 250 | 248,00 | 287 x 395 x 48 | 900 | 2,5 | **95,80** |
| CPCC315 | CPCC 315 | 313,00 | 395 x 395 x 48 | 1250 | 3 | **105,20** |
| CPCC400 | CPCC 400 | 398,00 | 490 x 490 x 48 | 2000 | 4,5 | **130,80** |
| CPCC500 | CPCC 500 | 498,00 | 592 x 592 x 48 | 3000 | 6 | **161,80** |
| CPCC630 | CPCC 630 | 628,00 | 725 x 725 x 48 | 4500 | 8 | **219,10** |

# CPCR



## BOX FILTER FOR RECTANGULAR DUCT

### MANUFACTURING FEATURES

- 1mm thick galvanized steel box.
- Suitable for medium and high efficiency filters from ISO COARSE≥60% (G4) up to ISO ePM1> 80% (F9).
- The CPCR is available in 2 sizes (S and M) that allow to combine up to 3 different filtration stages, varying only the length of the boxes.
- The height of boxes is always the same. With two in-line S boxes it would be possible to make a CPCR L for 3 stages of filtration with bag filters.
- The CPCR allows duct mounting for all types of filters (compact, dihedral, bags).

### UNDER REQUEST

- Stainless steel or painted steel.
- Outdoor mounting: with outdoor flange and cowl.
- Flat or conical connections to adapt the CPCR to a circular duct.
- Assembly of drawers in battery (horizontal or vertical).
- Active Carbon Filters (CA).
- ATEX version: only for the 1 and 2 stage filtration versions. With grounding and equipotential bonding of all the elements of the drawer (The filters are ATEX specific with antistatic polyester frames).

## CAJÓN PORTAFILTROS PARA CONDUCTO RECTANGULAR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Cajón de acero galvanizado de 1mm de grosor.
- Apto para filtros de media y alta eficiencia desde ISO COARSE≥60% (G4) hasta ISO ePM1≥80% (F9).
- El CPCR tiene 2 tipos de cajones distintos (S y M) que permiten llegar a combinar hasta 3 etapas de filtración distintas variando solamente la longitud de los cajones.
- La altura de dichos cajones es siempre la misma. Con dos cajones S en línea se lograría hacer un CPCR L para 3 etapas de filtración con filtros de bolsas.
- El CPCR permite el montaje en conducto para todo tipo de filtros (compactos, diédricos, bolsas).

### UNDER REQUEST

- Acero inoxidable o acero pintado.
- Montaje en exterior: con visera y tejadillo.
- Conexiones planas o cónicas para adaptar el CPCR a un conducto circular.
- Montaje de cajones en batería (horizontal o vertical).
- Filtros de Carbón Activo (CA).
- Versión ATEX: solo para las versiones de 1 y 2 etapas de filtración. Con toma de tierra y unión equipotencial de todos los elementos del cajón (Los filtros son específicos ATEX con cuadros de poliéster antiestático).

| Code | Model | Dimensions B x H x L | Dimen. Filters L x H x e | Quantity Filter x CPCR | Weight (Kg) | R.R.P € |
|---|---|---|---|---|---|---|
| Código | Modelo | Dimensiones B x H x L | Dimen. Filtros L x H x e | Cantidad Filtro x CPCR | Peso (Kg) | P.V.P € |
| CPCR309900 | CPCR M 0,5 | 309x614x900 | 287 x 592 x 48 | 1 | 23 | **893,60** |
| CPCR614900 | CPCR M 1 | 614x614x900 | 592 x 592 x 48 | 1 | 32 | **932,10** |
| CPCR920900 | CPCR M 1,5 | 920x614x900 | 287 x 592 x 48 + 592 x 592 x 48 | 1 | 41 | **1.088,20** |
| CPCR1225900 | CPCR M 2 | 1225x614x900 | 592 x 592 x 48 | 2 | 59 | **1.203,40** |
| CPCR1835900 | CPCR M 3 | 1835x614x900 | 592 x 592 x 48 | 3 | 80 | **1.408,80** |
| CPCR309650 | CPCR S 0,5 | 309x614x650 | 287 x 592 x 48 | 1 | 18 | **679,90** |
| CPCR614650 | CPCR S 1 | 614x614x650 | 592 x 592 x 48 | 1 | 23 | **708,50** |
| CPCR920650 | CPCR S 1,5 | 920x614x650 | 287 x 592 x 48 + 592 x 592 x 48 | 1 | 30 | **815,80** |
| CPCR1225650 | CPCR S 2 | 1225x614x650 | 592 x 592 x 48 | 2 | 35 | **927,40** |
| CPCR1835650 | CPCR S 3 | 1835x614x650 | 592 x 592 x 48 | 3 | 47 | **1.110,20** |

## FILTER FOR CPCC/CPCR | FILTROS PARA CPCC/CPCR



### CFF

Filter cells with FiberPlast frame /
Filtro de celdas con marco FiberPlast

**ISO COARSE ≥60% (G4)**

| Code / Código | Dimensions (mm) / Dimensiones (mm) | Application / Aplicable | Rat. Air flow m³/h / Q nom. m³/h | Initial Press. Loss (Pa) / Pérd. Carga inicial (Pa) | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| FILTG04028 | 195x195x24 | CPCC 100 & CPCC 125 | 300 | 57 | **51,30** |
| FILTG04024 | 287x287x24 | CPCC 160 | 650 | 57 | **39,50** |



### CFGF

Cell filter with galvanized frame /
Filtro de celdas con marco galvanizado

**ISO COARSE ≥60% (G4)**

| Code / Código | Dimensions (mm) / Dimensiones (mm) | Application / Aplicable | Rat. Air flow m³/h / Q nom. m³/h | Initial Press. Loss (Pa) / Pérd. Carga inicial (Pa) | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| FILTG04030 | 287x287x48 | CPCC 200 | 850 | 60 | **17,10** |
| FILTG04031 | 287x395x48 | CPCC 250 | 1100 | 60 | **18,20** |
| FILTG04032 | 395x395x48 | CPCC 315 | 1500 | 60 | **20,90** |
| FILTG04033 | 490x490x48 | CPCC 400 | 2350 | 60 | **25,50** |
| FILTG04026 | 592x592x48 | CPCC 500 & CPCR S 1-1,5-2-3 , CPCR M 1-1,5-2-3 | 3400 | 60 | **34,10** |
| FILTG04034 | 725x725x48 | CPCC 630 | 5200 | 60 | **71,70** |



### CHEF

High efficiency, rigid and compact filters /
Filtro compacto rígido de alta eficacia

**ePM1≥50% (F7)**

| Code / Código | Dimensions (mm) / Dimensiones (mm) | Application / Aplicable | Rat. Air flow m³/h / Q nom. m³/h | Initial Press. Loss (Pa) / Pérd. Carga inicial (Pa) | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| FILTF07038 | 195x195x24 | CPCC 100 & CPCC 125 | 160 | 90 | **80,70** |
| FILTF07039 | 287x287x24 | CPCC 160 | 350 | 90 | **62,10** |
| FILTF07040 | 287x287x48 | CPCC 200 | 625 | 90 | **40,10** |
| FILTF07041 | 287x395x48 | CPCC 250 | 800 | 90 | **47,00** |
| FILTF07042 | 395x395x48 | CPCC 315 | 1150 | 90 | **74,50** |
| FILTF07043 | 490x490x48 | CPCC 400 | 1750 | 90 | **93,60** |
| FILTF07044 | 592x592x48 | CPCC 500 & CPCR S 1-1,5-2-3 , CPCR M 1-1,5-2-3 | 2500 | 90 | **109,60** |
| FILTF07045 | 725x725x48 | CPCC 630 | 3850 | 90 | **243,20** |

**ePM1≥80% (F9)**

| Code / Código | Dimensions (mm) / Dimensiones (mm) | Application / Aplicable | Rat. Air flow m³/h / Q nom. m³/h | Initial Press. Loss (Pa) / Pérd. Carga inicial (Pa) | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| FILTF09011 | 195x195x24 | CPCC 100 & CPCC 125 | 110 | 130 | **84,90** |
| FILTF09012 | 287x287x24 | CPCC 160 | 200 | 130 | **65,20** |
| FILTF09028 | 287x287x48 | CPCC 200 | 400 | 130 | **42,10** |
| FILTF09029 | 287x395x48 | CPCC 250 | 550 | 130 | **49,60** |
| FILTF09030 | 395x395x48 | CPCC 315 | 760 | 130 | **78,30** |
| FILTF09031 | 490x490x48 | CPCC 400 | 1170 | 130 | **98,20** |
| FILTF09032 | 592x592x48 | CPCC 500 & CPCR S 1-1,5-2-3 , CPCR M 1-1,5-2-3 | 1700 | 130 | **114,70** |
| FILTF09033 | 725x725x48 | CPCC 630 | 2560 | 130 | **346,80** |

# PL_CPCR



PLATE FOR JOINING CPCR DRAWERS

- Plate for joining cpcr drawers

PLETINA PARA UNIÓN CAJONES CPCR

- Pletina para unión de cajones CPCR

| Code / Código | Model / Modelo | Weight (Kg) / Peso (Kg) | R.R.P € / P.V.P € |
|---|---|---|---|
| CPCR309614SP01 | PL_CPCR S/M 0,5 (2ut.) | 0,56 | **51,20** |
| CPCR614650SP01 | PL_CPCR S/M 1 (2ut.) | 1,26 | **76,71** |
| CPCR920614SP01 | PL_CPCR S/M 1,5 (2ut.) | 1,92 | **112,63** |
| CPCR1225614SP01 | PL_CPCR S/M 2 (2ut.) | 2,58 | **153,37** |
| CPCR1835614SP01 | PL_CPCR S/M 3 (2ut.) | 3,90 | **204,76** |

# HCPCR



## FILTER-HOLDER BOX FOR HEPA FILTERS IN LINE WITH BAG-IN BAG-OUT SYSTEM

### MANUFACTURING FEATURES

- Robust and compact filter-holder box.
- Adjustment HEPA and high efficiency filters quick and easy.
- BAG-IN BAG-OUT system.
- Housing and connection plane made of 2 mm thick sheet steel, waterproofed with white RAL 9010 epoxy paint.
- Clamping system using a stainless steel frame that presses the entire filter frame. Frame supported by two pivoting levers.
- Installation of the plastic containment bag by means of an elastic ring in the double throat flange (supplied with the product).
- Closing door in white painted sheet steel with 2 handles. It is equipped with a safety device that does not allow the housing to be closed only on condition that the filter is correctly positioned.
- Connection of the box to the network by means of a pre-drilled rectangular flange.
- Pressure taps without connection upstream and downstream of the filter.
- 1 filter-holder box dimensions for folded and compact filters: (610 x 610).
- 1 filter depth: 292 mm.
- Types of filters that can be used:
  High efficiency filters ePM1≥50% (F7) and ePM1≥80% (F9) folding (PL) and compact (CM).
  Filters HEPA H13 and H14 folding (PL) and compact (CM).
  Filters active carbon compact (CM).

### APPLICATIONS

- Assembly designed for BAG-IN BAG-OUT changes of high security filters.
- Indoor air quality: Filtration of dust (F7, F9) / active carbon / HEPA.
- Air extracted in a microbiological safety laboratory (P3 or P4 confinement). Clean rooms and pre-filtration.
- Health sector.
- Tertiary sector.
- Industrial sector.
- CURAT SYSTEM.

### UNDER REQUEST

- AISI 314 stainless steel or painted steel.
- 3 Dimensions of filter-holder box for folded and compact filters: (305x305), (457x457), (305x610) 48mm, 150mm and 292mm deep.

## CAJÓN DE FILTRACIÓN PARA FILTROS HEPA EN LÍNEA CON SISTEMA BAG-IN BAG-OUT

### CARACTERÍSTICAS CONSTRUCTIVAS

- Cajón robustos y compactos.
- Ajuste de los filtros de alta eficiencia y HEPA fácil y rápido.
- Sistema BAG-IN BAG-OUT.
- Carcasa y plano de unión de chapa de acero de 2 mm de espesor, impermeabilizados con pintura epoxy blanca RAL 9010.
- Sistema de sujeción mediante marco de acero inoxidable que presiona todo el marco del filtro. Marco sujeto por dos palancas pivotantes.
- Instalación de la bolsa de contención de plástico mediante anillo elástico en la brida doble garganta (suministrada con el producto).
- Puerta de cierre en chapa de acero pintada de blanco con 2 tiradores. Está equipado con un dispositivo de seguridad que no permite el cierre de la carcasa solo con la condición de que el filtro esté correctamente colocado.
- Conexión de la caja a la red mediante brida rectangular pretaladrada.
- Tomas de presión sin conexión aguas arriba y aguas abajo del filtro.
- 1 dimensiones de cajón para filtros plegados y compactos: (610 x 610).
- 1 profundidad de filtro: 292 mm
- Tipos de filtros que pueden ser usados:
  Filtros de alta eficiencia ePM1≥50% (F7) y ePM1≥80% (F9) Plegados (PL) y Compactos (CM).
  Filtros HEPA H13 y H14 Plegados (PL) y compactos (CM).
  Filtros de carbono activo compactos (CM).

### APLICACIONES

- Montaje diseñado para cambios BAG-IN BAG-OUT de filtros de alta seguridad.
- Calidad de aire interior: Filtración de polvo (F7, F9) / carbón activo / HEPA.
- Aire extraído en laboratorio de seguridad microbiológica (Confinamiento P3 o P4). Salas limpias y prefiltración.
- Sector sanitario.
- Sector terciario.
- Sector industrial.
- CURAT SYSTEM.

### BAJO DEMANDA

- Acero inoxidable AISI 314 o acero pintado
- 3 Dimensiones de cajones para filtros plegados y compactos: (305x305), (457x457),(305x610) de profundidad 48mm, 150mm y 292mm.

| Code<br>Código | Model<br>Modelo | Dimensions B x H x L<br>Dimensiones B x H x L | Dim. Filters L x H x e<br>Dim. Filtros L x H x e | Weight (Kg)<br>Peso (Kg) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| HCPCR610292 | HCPCR 1 | 711 x 711 x 722 | 610 x 610 x 292 | 37 | **1.992,10** |

## FILTERS FOR CPCR & HCPCR | FILTROS PARA CPCR & HCPCR



### CFGF

Cell filter with galvanized frame /
Filtro de celdas con marco galvanizado

### ISO COARSE ≥60% (G4)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTG04029 | 287x592x48 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1700 | 60 | **32,30** |
| FILTG04026 | 592x592x48 | CPCR 1,1, 5, 2 & 3 S/M | 3400 | 60 | **34,10** |



## CHEF

High efficiency, rigid and compact filters /
Filtro compacto rígido de alta eficacia

### ePM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF07013 | 287x592x48 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1250 | 90 | **99,20** |
| FILTF07044 | 592x592x48 | CPCC 500 & CPCR S 1-1,5-2-3 , CPCR M 1-1,5-2-3 | 2500 | 90 | **109,60** |

### ePM1≥80% (F9)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF09013 | 287x592x48 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 850 | 130 | **104,30** |
| FILTF09032 | 592x592x48 | CPCC 500 & CPCR S 1-1,5-2-3 , CPCR M 1-1,5-2-3 | 1700 | 130 | **114,70** |



## BCF

High Efficiency Bag Filter /
Filtro de bolsas de alta eficacia

### ePM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF07012 | 287x592x500 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1700 | 115 | **62,30** |
| FILTF07014 | 592x592x500 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 3400 | 115 | **110,20** |

### ePM1≥80% (F9)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF09002 | 287x592x500 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1000 | 106 | **66,50** |
| FILTF09003 | 592x592x500 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 2000 | 106 | **119,40** |



## CHEF2

Rigid and compact filter with high efficiency and low pressure drop /
Filtro compacto rígido de alta eficacia y baja pérdida de carga

### ePM1≥50% (F7)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF07062 | 287x592x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1250 | 90 | **114,20** |
| FILTF07015 | 592x592x48 | CPCC 500 & CPCR S 1-1,5-2-3 , CPCR M 1-1,5-2-3 | 2500 | 90 | **190,90** |

### ePM1≥80% (F9)

| Code | Dimensions (mm) | Application | Rat. Air flow m³/h | Initial Press. Loss (Pa) | R.R.P € |
|---|---|---|---|---|---|
| Código | Dimensiones (mm) | Aplicable | Q nom. m³/h | Pérd. Carga inicial (Pa) | P.V.P € |
| FILTF09000 | 287x592x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1700 | 110 | **150,70** |
| FILTF09001 | 592x592x292 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 3400 | 110 | **272,80** |



## HEPAF2

Absolute filter for terminal filtration and drawers /
Filtro absoluto para filtración terminal y cajones

### HEPA 13 (H13)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTH13001 | 287x592x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1600 | 250 | **182,60** |
| FILTH13003 | 592x592x292 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 3200 | 250 | **337,40** |
| FILTH13000 | 305x610x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1700 | 250 | **395,70** |
| FILTH13002 | 610x610x292 | CPCR S 1-1,5-2-3, CPCR M 1-1,5-2-3 & HCPCR 1 | 3400 | 250 | **671,10** |

### HEPA 14 (H14)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTH14003 | 287x592x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1250 | 250 | **219,10** |
| FILTH14004 | 592x592x292 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 2500 | 250 | **371,80** |
| FILTH14000 | 305x610x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1400 | 250 | **406,90** |
| FILTH14001 | 610x610x292 | CPCR S 1-1,5-2-3, CPCR M 1-1,5-2-3 & HCPCR 1 | 2800 | 250 | **694,60** |



## CAF

Active carbon filter /
Filtro de carbón activado

### ACTIVE CARBON / CARBÓN ACTIVO (CA)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTCAR002 | 287x592x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1.700 | 75 | **461,80** |
| FILTCAR003 | 592x592x292 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 3.400 | 75 | **1.080,90** |



## CARF

Activated carbon filling filter /
Filtro relleno de carbón activado

### ACTIVE CARBON / CARBÓN ACTIVO (CA)

| Code<br>Código | Dimensions (mm)<br>Dimensiones (mm) | Application<br>Aplicable | Rat. Air flow m³/h<br>Q nom. m³/h | Initial Press. Loss (Pa)<br>Pérd. Carga inicial (Pa) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| FILTCAR000 | 287x592x292 | CPCR S 0,5-1,5 & CPCR M 0,5-1,5 | 1.250 | 125 | **779,40** |
| FILTCAR001 | 592x592x292 | CPCR S 1-1,5-2-3 & CPCR M 1-1,5-2-3 | 2.500 | 125 | **1.463,30** |

# S



## MOUNTING SUPPORT FOR LOW PRESSURE FANS

### MANUFACTURING FEATURES

- Support to fix centrifugal low pressure fans on flat surfaces.
- Fans from 7/7 to 12/12 are supplied with S support included in price.

## PIE SOPORTE PARA VENTILADORES DE BAJA PRESIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Pie soporte de acero galvanizado para fijar ventiladores centrífugos de baja presión a superficies planas.
- Los ventiladores del tamaño 7/7 hasta 12/12 llevan el accesorio S (pie soporte base) incluido en el precio.

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| 960500100 | S 7/9 | BD 7/7, BD 9/7, BV 9/9 | **25,60** |
| 960520100 | S 10 | BD 10/8, BD 10/10, BV 10/10 | **28,70** |
| 960530100 | S 12 | BD 12/9, BD 12/12, BV 12/12 | **36,40** |
| 960540100 | S 15/18 | BV 15/15, BV 18/18 | **39,00** |

# DKF



## DHUMAT FEET KIT

### MANUFACTURING FEATURES

- Support made of galvanized steel.

## CONJUNTO DE PIES SOPORTE PARA DHUMAT

### CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte fabricado en acero galvanizado.

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 245319201 | DKF 315-355 | DHUMAT 315-355 | 3,3 | **123,00** |
| 245409201 | DKF 400-450 | DHUMAT 400-450 | 3,7 | **131,60** |
| 245569201 | DKF 500-560 | DHUMAT 500-560 | 4,5 | **144,70** |
| 245639201 | DKF 630 | DHUMAT 630 | 5 | **175,20** |
| 245719201 | DKF 710-800 | DHUMAT 710-800 | 6 | **229,20** |

# PO



## CASED FANS MOUNTING SUPPORT

### MANUFACTURING FEATURES

- Made of steel and protected against corrosion with polyester resin powder.

## CONJUNTO DE PIES SOPORTE PARA VENTILADORES TUBULARES

### CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricado en acero y protegido contra la corrosión con polvo de resina de poliéster.

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 960001653 | PO 35 | HC-HM-HH 35 | 1,60 | **40,10** |
| 960001654 | PO 40 | HC-HM-HH 40 | 1,80 | **41,30** |
| 960001655 | PO 45 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX-HH 45 | 2 | **42,00** |
| 960001656 | PO 50 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX 50 | 3,60 | **70,50** |
| 960001657 | PO 56 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX-HH 56 | 4,60 | **71,90** |
| 960001658 | PO 63 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX-HH 63 | 4,90 | **77,20** |
| 960001659 | PO 71 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX-HH 71 | 5,70 | **85,20** |
| 960001660 | PO 80 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX 80 | 6 | **87,50** |
| 960001661 | PO 90 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX-HH 90 | 8,30 | **106,10** |
| 960001662 | PO 100 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX 100 | 9 | **108,90** |
| 960001664 | PO 112 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX 112 | 9,50 | **119,00** |
| 960001663 | PO 125 | HC-HM-HCF-HMF-HCFX-HMFX-HCX-HMX 125 | 10 | **127,60** |

# BS



## MOTOR SUPPORT FOR BVC AND BVCR FANS

### MANUFACTURING FEATURES

- Accessory designed to assemble the motor on the fan in range BVC and BVCR in order to tighten the belts.

## SOPORTE MOTOR PARA VENTILADORES BVC Y BVCR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Accesorio para sujetar de motor en la gama BVC y BVCR sobre el ventilador y tensar las correas.

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| 960000100 | BS 9 | BVC 9/9 | **135,20** |
| 960000101 | BS 10 | BVC 10/10 | **163,20** |
| 960000102 | BS 12 | BVC 12/12 | **169,80** |
| 960000103 | BS 15 | BVC-BVCR 15/15 | **189,00** |
| 960000104 | BS 18 | BVC-BVCR 18/18 | **171,30** |

# KF



## FIXING KIT FOR CTH3-A

**MANUFACTURING FEATURES**

- Fixing kit for CTH3-A roof fan made of galvanized steel.

## KIT DE FIJACIÓN PARA CTH3-A

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Kit de fijación para ventilador de tejado CTH3-A fabricado en acero galvanizado.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960004620 | KF 280-315 | CTH3-A ATEX 315 | **142,00** |
| 960004630 | KF 355-400-450 | CTH3-A ATEX 355-400-450 | **198,40** |
| 960004650 | KF 500-560-630 | CTH3-A ATEX 500-560-630 | **247,50** |
| 960004660 | KF 710-800 | CTH3-A F400 & ATEX 710-800 | **272,20** |

# KB



## CTH3-A TILTING KIT

**MANUFACTURING FEATURES**

- Tilting kit made of galvanized steel.
- It allows fan inclination to make cleaning of duct and impeller easier.

## KIT BASCULANTE PARA CTH3-A

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Kit basculante fabricado en acero galvanizado.
- Permite la inclinación de la torreta para facilitar la limpieza del conducto y la turbina.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960004520 | KB 280-315 | CTH3-A ATEX 315 | **279,60** |
| 960004530 | KB 355-400-450 | CTH3-A ATEX 355-400-450 | **309,90** |
| 960004550 | KB 500-560-630 | CTH3-A ATEX 500-560-630 | **378,20** |
| 960004560 | KB 710-800 | CTH3-A F400 & ATEX 710-800 | **416,10** |

# FS



Generic image. In some models the image shown may differ from normal.

Imagen genérica. En algunos modelos la imagen mostrada puede diferir de lo normal.

## FRONT SUPPORT FOR MEDIUM AND HIGH PRESSURE FANS

**MANUFACTURING FEATURES**

- FS gives the fan better grip and robustness.
- Manufactured in carbon laminated steel, protected against corrosion by a polyester resin powder coating of RAL 5010 color. Finish C3.
- These front supports are dimensioned according to the type of fan and impeller dimension (mm).

MB Series
- FS is optional between sizes 22 and 45.

NIMUS-NIMAX-IGNÉO Series
- FS is optional up to size 450.
- For sizes 500 and larger, FS is included in the fan structure

Direct and belt driven medium pressure series
- FS is optional up to size 500.
- For sizes 560 and larger, FS is included in the fan structure.

MBGR/MTGR* MBRU/MTRU* MBRM/MTRM* MTRL* MBCA/MTCA* MBZM/MTZM*

Direct high pressure series
- FS is optional up to size 630.
- For sizes 710 and larger this front support is welded and must be ordered when placing the order of the fan (please, consult price increase).

AAZA AAVC AAVP AAVG AAVM AAVA.

High pressure transmission series
- FS is optional up to size 630.
- For sizes 710 and above this front support is included in the fan structure.
- For system 12 fans, a special base for the front foot (*) is required.

AATZA* AATVC* AATVP* AATVG* AATVM*.

- For system 12 fans, a special base for the FS is required (*).

## PIE SOPORTE DELANTERO PARA VENTILADORES DE MEDIA Y ALTA PRESIÓN

**CARACTERÍSTICAS CONSTRUCTIVAS**

- FS dota al ventilador de mejor sujeción y robustez.
- Fabricado en acero laminado al carbono, protegido contra la corrosión mediante un recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Estos pie soporte delanteros se dimensionan en función del tipo de ventilador y dimensión de la turbina (mm).

Serie MB
- FS es opcional entre los tamaños 22 y 45.

Series NIMUS-NIMAX-IGNÉO
- FS es opcional hasta el tamaño 450.
- Para los tamaños 500 y superiores el pie delantero va incluido en la estructura del ventilador.

Series de media presión directos y a transmisión
- FS es opcional hasta el tamaño 500.
- Para los tamaños 560 y superiores el pie delantero ve incluido en la estructura del ventilador.

MBGR/MTGR* MBRU/MTRU* MBRM/MTRM* MTRL* MBCA/MTCA* MBZM/MTZM*

Series de alta presión directos
- FS es opcional hasta el tamaño 630.
- Para los tamaños 710 y superiores este soporte delantero va soldado y debe pedirse junto al ventilador (consulte incremento de precio).

AAZA AAVC AAVP AAVG AAVM AAVA.

Series de alta presión a transmisión
- FS es opcional hasta el tamaño 630.
- Para los tamaños 710 y superiores este soporte delantero va incluido en la estructura del ventilador.
- Para ventiladores sistema 12 es necesaria una bancada especial para pie delantero (*).

AATZA* AATVC* AATVP* AATVG* AATVM*.

- Para ventiladores sistema 12 es necesaria una bancada especial para pie delantero (*).

| Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|
| FS 180 | MBCA 180. | **104,70** |
| FS 200 | MBCA 200. | **104,70** |
| FS 220 | MB 22, MBCA 220, MBRM 220, MBZM 220, MTCA 220, MTRM 220, MTZM 220. | **104,70** |
| FS 250 | MB 25, MBCA, 250, MBRM 250, MBRU 250, MBZM 250, MTCA, 250, MTRM 250, MTRU 250, MTZM 250, MTRL 250. | **104,70** |
| FS 280 | MB 28, MBCA 280, MBRM 280, MBRU 280, MBZM 280, MTCA 280, MTRM 280, MTRU 280, MTZM 280, MTRL 280. | **104,70** |
| FS 310 | MB 31, MBCA 310, MBRM 310, MBRU 310, MBZM 310, MTCA 310, MTRM 310, MTRU 310, MTZM 310, MTRL 310, NS 310, NX 310, IGNÉO 310, AAVA 310. | **109,50** |
| FS 350 | MB 35, MBCA 350, MBRM 350, MBRU 350, MBZM 350, MTCA 350, MTRM 350, MTRU 350, MTZM 350, MTRL 350, NS 350, NX 350, IGNÉO 350, AAVA 350, AAVM 350, AATVA 350, AATVM 350. | **122,00** |
| FS 400 | MB 40, MBCA 400, MBRM 400, MBRU 400, MBGR 400, MBZM 400, MTCA 400, MTRM 400, MTRU 400, MTGR 400, MTZM 400, MTRL 450, NS 400, NX 400, IGNÉO 400, AAVA 400, AAVP 400, AAVM 400, AAZA 400, AATVA 400, AATVP 400, AAVTM 400, AATZA 400. | **122,00** |
| FS 450 | MB 45, MBCA 450, MBRM 450, MBRU 450, MBGR 450, MBZM 450, MTCA 450, MTRM 450, MTRU 450, MTGR 450, MTZM 450, MTRL 450, NS 450, NX 450, IGNÉO 450, AAVA 450, AAVP 450, AAVG 450, AAVM 450, AAZA 450, AATVA 450, AATVP 450, AATVG 450, AATVM 450, AATZA 450. | **131,60** |
| FS 500 | MBCA 500, MBRM 500, MBRU 500, MBGR 500, MBZM 500, MTCA 500, MTRM 500, MTRU 500, MTGR 500, MTZM 500, MTRL 500, NS 500, NX 500, IGNÉO 500, AAVA 500, AAVC 500, AAVP 500, AAVG 500, AAVM 500, AAZA 500, AATVA 500, AATVC 500, AATVP 500, AATVG 500, AATVM 500, AATZA 500. | **141,20** |
| FS 560 | AAVA 560, AAVC 560, AAVP 560, AAVG 560, AAVM 560, AAZA 560, AATVA 560, AATVC 560, AATVP 560, AATVG 560, AATVM 560, AATZA 560. | **146,10** |
| FS 630 | AAVA 630, AAVC 630, AAVP 630, AAVG 630, AAVM 630, AAZA 630, AATVA 630, AATVC 630, AATVP 630, AATVG 630, AATVM 630, AATZA 630. | **158,30** |

# CPD



## FRONTAL FEET SUPORT

**MANUFACTURING FEATURES**

- Frontal support for fans NIMUS NIMAX or IGNÉO.
- For mounting positions LG/RD0, LG/RD90 and LG/RD270.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Made of steel with polyester resin powder coating.

## CONJUNTO PIE SOPORTE DELANTERO

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Pie soporte frontal para ventiladores NIMUS NIMAX o IGNÉO.
- Para posiciones de montaje LG/RD0, LG/RD90 y LG/RD270.
- Los modelos de tamaño 500 y superiores se suministran con un pie soporte delantero, para los otros modelos, el pie soporte delantero es opcional.
- Fabricados en acero con recubrimiento de polvo de resina de poliéster.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight (kg)<br>Peso (kg) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| A-CPD-N31 | CPD-N31 | NIMUS, NIMUS ATEX, IGNÉO 311/NIMAX 314 | 3,43 | **109,50** |
| A-CPD-N35 | CPD-N35 | NIMUS, NIMUS ATEX, IGNÉO 351/NIMAX 354 | 3,96 | **122,00** |
| A-CPD-N40 | CPD-N40 | NIMUS, NIMUS ATEX, IGNÉO 401/NIMAX 404 | 4,17 | **122,00** |
| A-CPD-N45 | CPD-N45 | NIMUS, NIMUS ATEX, IGNÉO 451/NIMAX 454 | 5,36 | **131,60** |
| A-CPD-N50 | CPD-N50 | NIMUS, NIMUS ATEX, IGNÉO 501/NIMAX 504 | 5,62 | **141,20** |
| A-CPD-N56 | CPD-N56 | NIMUS, NIMUS ATEX, IGNÉO 561/NIMAX 564 | 5,98 | **146,10** |
| A-CPD-N63 | CPD-N63 | NIMUS, NIMUS ATEX, IGNÉO 631/NIMAX 634 | 6,38 | **158,30** |
| A-CPD-N71 | CPD-N71 | NIMUS, NIMUS ATEX, IGNÉO 711/NIMAX 714 | 6,83 | **170,00** |
| A-CPD-N80 | CPD-N80 | NIMUS, NIMUS ATEX, IGNÉO 801/NIMAX 804 | 14,37 | **287,00** |
| A-CPD-N90 | CPD-N90 | NIMUS, NIMUS ATEX, IGNÉO 901/NIMAX 904 | 15,47 | **310,00** |
| A-CPD-N100 | CPD-N100 | NIMUS, NIMUS ATEX, IGNÉO 1001/NIMAX 1004 | 16,60 | **330,00** |

# CPD-NT

NEW NUEVO



## FRONTAL FEET SUPORT FOR NIMUS-TR

**MANUFACTURING FEATURES**

- Frontal support for fans NIMUS-TR.
- For mounting positions LG/RD0, LG/RD90 and LG/RD270.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Made of steel with polyester resin powder coating.

## CONJUNTO PIE SOPORTE DELANTERO PARA NIMUS-TR

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Pie soporte frontal para ventiladores NIMUS-TR.
- Para posiciones de montaje LG/RD0, LG/RD90 y LG/RD270.
- Los modelos de tamaño 500 y superiores se suministran con un pie soporte delantero, para los otros modelos, el pie soporte delantero es opcional.
- Fabricados en acero con recubrimiento de polvo de resina de poliéster.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight (kg)<br>Peso (kg) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| A-CPD-NT31 | CPD-NT31 | NIMUS-TR 315 | 7 | **199,00** |
| A-CPD-NT35 | CPD-NT35 | NIMUS-TR 350 | 7,50 | **217,00** |
| A-CPD-NT40 | CPD-NT40 | NIMUS-TR 400 | 8 | **217,00** |
| A-CPD-NT45 | CPD-NT45 | NIMUS-TR 450 | 10 | **236,60** |

# CPDMP



## MULTIPOSITION FRONTAL FEET SUPPORT

### MANUFACTURING FEATURES

- Frontal support for fans NIMUS NIMAX or IGNÉO.
- For mounting all available positions.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Made of steel with polyester resin powder coating.

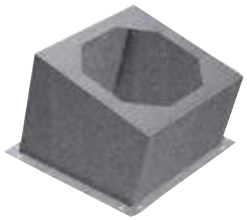
## CONJUNTO PIE FRONTAL MULTIPOSICIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS

- Pie soporte frontal para ventiladores NIMUS NIMAX o IGNÉO.
- Para todas las posiciones de montaje disponibles.
- Los modelos de tamaño 500 y superiores se suministran con un pie soporte delantero, para los otros modelos, el pie soporte delantero es opcional.
- Fabricados en acero con recubrimiento de polvo de resina de poliéster.

| Code | Model | Application | Weight (kg) | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso (kg) | P.V.P € |
| A-CPDMP-N31 | CPDMP-N31 | NIMUS, NIMUS ATEX, IGNÉO 311/NIMAX 314 | 4,58 | **328,50** |
| A-CPDMP-N35 | CPDMP-N35 | NIMUS, NIMUS ATEX, IGNÉO 351/NIMAX 354 | 5,13 | **366,00** |
| A-CPDMP-N40 | CPDMP-N40 | NIMUS, NIMUS ATEX, IGNÉO 401/NIMAX 404 | 5,45 | **366,00** |
| A-CPDMP-N45 | CPDMP-N45 | NIMUS, NIMUS ATEX, IGNÉO 451/NIMAX 454 | 7,36 | **394,80** |
| A-CPDMP-N50 | CPDMP-N50 | NIMUS, NIMUS ATEX, IGNÉO 501/NIMAX 504 | 7,83 | **423,60** |
| A-CPDMP-N56 | CPDMP-N56 | NIMUS, NIMUS ATEX, IGNÉO 561/NIMAX 564 | 8,38 | **438,30** |
| A-CPDMP-N63 | CPDMP-N63 | NIMUS, NIMUS ATEX, IGNÉO 631/NIMAX 634 | 9 | **474,90** |
| A-CPDMP-N71 | CPDMP-N71 | NIMUS, NIMUS ATEX, IGNÉO 711/NIMAX 714 | 9,71 | **510,00** |
| A-CPDMP-N80 | CPDMP-N80 | NIMUS, NIMUS ATEX, IGNÉO 801/NIMAX 804 | 20,11 | **861,00** |
| A-CPDMP-N90 | CPDMP-N90 | NIMUS, NIMUS ATEX, IGNÉO 901/NIMAX 904 | 22,73 | **930,00** |
| A-CPDMP-N100 | CPDMP-N100 | NIMUS, NIMUS ATEX, IGNÉO 1001/NIMAX 1004 | 24,60 | **990,00** |

# BTI



## INCLINED ROOF FAN SUPPORT

### MANUFACTURING FEATURES

- Inclined support for roof fans CTH3-A, ENKELROOF and KENTALROOF, and the resulting fans combining with the KIT TE and KIT TM.

### UNDER REQUEST

- Specific inclination.

## SOPORTE INCLINADO PARA VENTILADORES DE TEJADO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte inclinado para ventiladores de tejado CTH3-A, ENKELROOF y KENTALROOF, y los ventiladores resultantes del KIT TE y KIT TM.

### BAJO DEMANDA

- Inclinación determinada.

| Code | Model | Weight (kg) * | Application | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Peso (kg) * | Aplicable | P.V.P € |
| A-50870310XX | BTI 310 | 5 | ENKELROOF EC 150-190 | **400,00** |
| A-50870410XX | BTI 410 | 7 | ENKELROOF EC 220-250 | **450,00** |
| A-50870485XX | BTI 485 | 9 | - | **480,00** |
| A-50870535XX | BTI 535 | 10 | - | **500,00** |
| A-50870570XX | BTI 570 | 11 | CTH3-A ATEX 315, KIT TE-TM 35-40, ENKELROOF EC 315-355-450, KENTALROOF 315 | **560,00** |
| A-50870640XX | BTI 640 | 13 | CTH3-A ATEX 355-400-450, KIT TE-TM 45, KENTALROOF 355-400 | **575,00** |
| A-50870715XX | BTI 715 | 15 | - | **810,00** |
| A-50870815XX | BTI 815 | 18 | KIT TE-TM 50-56 | **810,00** |
| A-50870915XX | BTI 915 | 21 | CTH3-A ATEX 500-560-630, KIT TE-TM 63, KENTALROOF 450-500-560 | **970,00** |
| A-508701015XX | BTI 1015 | 23 | CTH3-A F400 & ATEX 710-800, KIT TE-TM 71-80, KENTALROOF 630 | **990,00** |

* For 0° inclination / por inclinación 0º

# ACC. ENKELROOF & KENTALROOF

ACCESSORIES FOR ENKELROOF ECC & KENTALROOF

ACCESORIOS PARA ENKELROOF ECC & KENTALROOF



## ACMP

CMP-HUT damper connection support accessory /
Accesorio soporte de conexión de la compuerta CMP-HUT

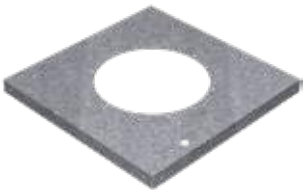
| Code | Model | Weight (kg) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso (kg) | P.V.P € |
| A-5087057000BCMP30 | ACMP 570 | 3 | **35,00** |
| A-5087064000BCMP50 | ACMP 640 | 2,20 | **40,00** |
| A-5087091500BCMP50 | ACMP 915 | 7,50 | **65,00** |
| A-50870101500BCMP80 | ACMP 1015 | 5 | **70,00** |



## AMC

Support for ASIL accessory /
Soporte para el accesorio ASIL

| Code | Model | Weight (kg) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso (kg) | P.V.P € |
| A-5087031000BSA | AMC 310 | 0,80 | **15,00** |
| A-5087041000BSA | AMC 410 | 1,20 | **18,50** |
| A-5087048500BSA | AMC 485 | 1,40 | **21,00** |
| A-5087053500BSA | AMC 535 | 1,60 | **22,50** |
| A-5087057000BSA | AMC 570 | 1,60 | **25,00** |
| A-5087064000BSA | AMC 640 | 2,90 | **31,50** |
| A-5087071500BSA | AMC 715 | 2,10 | **35,00** |
| A-5087081500BSA | AMC 815 | 2,40 | **38,00** |
| A-5087091500BSA | AMC 915 | 4,70 | **50,00** |
| A-50870101500BSA | AMC 1015 | 6 | **60,00** |



## ASIL

Support for circular accessories such as silencers, BAD anti-vibration flanges and AC connection flanges/
Soporte para accesorios circulares tipo silenciadores, bridas antivibratórias BAD y bridas de conexión AC

| Code | Model | Weight (kg) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso (kg) | P.V.P € |
| A-5087031000BSILCM160C | ASIL 310-160 | 1 | **20,00** |
| A-5087041000BSILCM200C | ASIL 410-200 | 1,60 | **23,00** |
| A-5087041000BSILCM250C | ASIL 410-250 | 1,40 | **25,00** |
| A-5087057000BSILC315 | ASIL 570-315 | 3,10 | **35,00** |
| A-5087057000BSILCM355C | ASIL 570-355 | 2,90 | **40,00** |
| A-5087057000BSILCM400C | ASIL 570-400 | 2,50 | **45,00** |
| A-5087064000BSILC355 | ASIL 640-355 | 3,20 | **47,00** |
| A-5087064000BSILC400 | ASIL 640-400 | 2,90 | **50,00** |
| A-5087091500BSILC450 | ASIL 915-450 | 6,30 | **65,00** |
| A-5087091500BSILC500 | ASIL 915-500 | 5,90 | **67,00** |
| A-5087091500BSILC560 | ASIL 915-560 | 5,30 | **70,00** |
| A-50870101500BSILC630 | ASIL 1015-630 | 5,80 | **75,00** |



## BTI+ACMP

Suitable for installa CMP-HUT in a roof fan using a BTI/
Accesorio adecuado para instalar una CMP-HUT a un ventildor de tejado con BTI

| Code | Model | Weight (kg) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso (kg) | P.V.P € |
| BTIACMP570XX | BTI+ACMP 570 | 3 | **583,10** |
| BTIACMP640XX | BTI+ACMP 640 | 2,20 | **602,70** |
| BTIACMP915XX | BTI+ACMP 915 | 7,50 | **1.014,30** |
| BTIACMP1015XX | BTI+ACMP 1015 | 5 | **1.038,80** |



## BTI+AMC

Suitable for install a ASIL in a roof fan using a BTI/
Accesorio adecuado para instalar una ASIL a un ventildor de tejado con BTI

| Code | Model | Weight (kg) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso (kg) | P.V.P € |
| BTIAMC310XX | BTI+AMC 310 | 0,80 | **410,90** |
| BTIAMC410XX | BTI+AMC 410 | 1,20 | **463,80** |
| BTIAMC485XX | BTI+AMC 485 | 1,40 | **496,00** |
| BTIAMC535XX | BTI+AMC 535 | 1,60 | **517,30** |
| BTIAMC570XX | BTI+AMC 570 | 1,60 | **579,20** |
| BTIAMC640XX | BTI+AMC 640 | 2,90 | **600,40** |
| BTIAMC715XX | BTI+AMC 715 | 2,10 | **836,60** |
| BTIAMC815XX | BTI+AMC 815 | 2,40 | **839,50** |
| BTIAMC915XX | BTI+AMC 915 | 4,70 | **1.009,80** |
| BTIAMC1015XX | BTI+AMC 1015 | 6 | **1.039,50** |



## BTI+ACMP+AMC

Suitable for install both CMP-HUT and ASIL in a roof fan using a BTI/
Accesorio adecuado para instalar a la vez CMP-HUT y ASIL a un ventildor de tejado con BTI

| Code<br>Código | Model<br>Modelo | Weight (kg)<br>Peso (kg) | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BTIACMPAMC570XX | BTI+ACMP+AMC 570 | 3,80 | **601,40** |
| BTIACMPAMC640XX | BTI+ACMP+AMC 640 | 3,40 | **627,10** |
| BTIACMPAMC915XX | BTI+ACMP+AMC 915 | 8,90 | **1.052,50** |
| BTIACMPAMC1015XX | BTI+ACMP+AMC 1015 | 6,60 | **1.086,40** |

# TM



MOTOR SUPPORT FOR BV FANS

SOPORTE MOTOR PARA VENTILADORES BV

**MANUFACTURING FEATURES**

• Belt tensioning device to be fitted in low pressure centrifugal fans.

**CARACTERÍSTICAS CONSTRUCTIVAS**

• Soporte motor con tensor de correas para ventiladores centrífugos de baja presión.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960720100 | TM 7/7-9/7 | BV 7/7-BV 9/7 | **23,60** |
| 960730100 | TM 9/9 | BV 9/9 | **29,30** |
| 960740100 | TM 10/8 | BV 10/8 | **27,50** |
| 960750100 | TM 10/10 | BV 10/10 | **28,80** |
| 960760100 | TM 12/9 | BV 12/9 | **31,70** |
| 960770100 | TM 12/12 | BV 12/12 | **39,70** |
| 960780100 | TM 15/15 | BV 15/15 | **44,40** |
| 960790100 | TM 18/18 | BV 18/18 | **49,00** |

# AC



AC 80-225



AC 250-1250

## CONNECTION FLANGE

### MANUFACTURING FEATURES
- For axial (inlet and outlet) and centrifugal (inlet) fans.

### UNDER REQUEST
- Versions in stainless 304 and stainless 316.

## BRIDA DE CONEXIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS
- Para ventiladores axiales (aspiración y impulsión) y centrífugos (aspiración).

### BAJO DEMANDA
- Versiones en Inoxidable 304 e Inoxidable 316.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| 960003201 | AC 80 | MA 18-24 | 0,20 | **29,20** |
| 960003202 | AC 100 | MB 12/5, MA 25-26 | 0,20 | **29,50** |
| 960003203 | AC 130 | MB 14/5, MA 27-28 | 0,20 | **30,40** |
| 960003204 | AC 150 | MB 16/6, MA 31, AA 47-53 | 0,30 | **33,50** |
| 960003205 | AC 175 | MB 18/7, AA 45/5-59-66-70 | 0,30 | **33,00** |
| 960003206 | AC 200 | MB 20/6-20/8 | 0,30 | **34,40** |
| 960003207 | AC 225 | MB 22/9, AA 50/5 | 0,40 | **35,50** |
| 960003208 | AC 250 | MB-MBC 25/10, AA 60/7 | 0,50 | **44,70** |
| 960003209 | AC 300 | MB-MBC 28/11-31/12 | 0,70 | **51,10** |
| 960003211 | AC 350 | HB-HM-HH-HC 35, MB-MBC 35/14 | 0,70 | **52,50** |
| 960003212 | AC 400 | HB-HM-HC 40, MB-MBC 40/16 | 0,80 | **59,10** |
| 960003213 | AC 450 | HB-HBF-HM-HMF-HH-HC-HCF 45, MB-MBC 45/18 | 1,00 | **60,80** |
| 960003214 | AC 500 | HB-HBF-HM-HMF-HC-HCF 50 | 1,10 | **69,90** |
| 960003215 | AC 560 | HB-HBF-HM-HMF-HH-HC-HCF 56 | 1,30 | **77,10** |
| 960003216 | AC 630 | HB-HBF-HM-HMF-HH-HC-HCF 63 | 1,40 | **91,80** |
| 960003217 | AC 710 | HB-HBF-HM-HMF-HH-HC-HCF 71 | 1,60 | **106,20** |
| 960003218 | AC 800 | HB-HBF-HM-HMF-HC-HCF 80 | 1,80 | **111,70** |
| 960003219 | AC 900 | HB-HBF-HM-HMF-HH-HC-HCF 90 | 2,20 | **173,90** |
| 960003220 | AC 1000 | HB-HBF-HM-HMF-HC-HCF 100 | 2,90 | **193,20** |
| 960003221 | AC 1120 | HB-HBF-HM-HMF-HC-HCF 112 | 3,30 | **231,80** |
| 960003222 | AC 1250 | HB-HBF-HM-HMF-HC-HCF 125 | 4,30 | **267,90** |

Check the most appropriate guard for each fan consulting the guide table that you can find in following pages. Additional models under request.
Para saber el modelo de reja aplicable a un ventilador, consulte tabla de guía que encontrara en las próximas páginas. Resto de modelos bajo consulta.

## SELECTION TABLE FOR AC INLET FLANGE | TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EN ASPIRACIÓN AC

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of AC inlet flange for each fan.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión AC. Los tamaños indicados corresponden a las bridas de conexión AC.

| Ø | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAZC/ AAZZC | AAVM/ AATVM | AAVG/ AAZVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AAZA/ AATZA | MBCA/ MTCA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | - | - | - | - | - | - | - | - | - | - | - | AC-200 | AC-200 |
| 200 | - | - | - | - | - | - | - | - | - | - | - | AC-200 | AC-200 |
| 220 | AC-130 | - | - | - | AC-130 | - | - | - | - | - | - | AC-225 | AC-225 |
| 250 | AC-200 | AC-200 | - | AC-250 | AC-200 | - | - | - | - | - | - | AC-250 | AC-250 |
| 280 | AC-200 | AC-225 | - | AC-300 | AC-200 | - | - | - | - | - | - | AC-300 | AC-300 |
| 310 | AC-225 | AC-250 | - | AC-300 | AC-225 | - | - | - | - | AC-150 | AC-150 | AC-300 | AC-300 |
| 350 | AC-250 | AC-300 | - | AC-350 | AC-250 | AC-200 | - | - | - | AC-150 | AC-150 | AC-350 | AC-350 |
| 400 | AC-300 | AC-300 | AC-250 | AC-400 | AC-300 | AC-200 | - | AC-150 | - | AC-150 | AC-150 | AC-400 | AC-400 |
| 450 | AC-300 | AC-350 | AC-300 | AC-450 | AC-300 | AC-225 | AC-225 | AC-175 | - | AC-150 | AC-150 | AC-450 | AC-450 |
| 500 | AC-360 | AC-400 | AC-300 | AC-500 | AC-350 | AC-250 | AC-250 | AC-200 | AC-150 | AC-150 | AC-150 | AC-500 | AC-500 |
| 560 | AC-400 | AC-450 | AC-350 | AC-560 | AC-400 | AC-300 | AC-300 | AC-200 | AC-175 | AC-150 | AC-150 | AC-560 | AC-560 |
| 630 | AC-450 | AC-500 | AC-400 | AC-630 | AC-450 | AC-300 | AC-300 | AC-225 | AC-200 | AC-150 | AC-150 | AC-630 | - |
| 710 | AC-500 | AC-560 | AC-450 | AC-710 | AC-500 | AC-350 | AC-350 | AC-250 | AC-200 | AC-175 | AC-175 | AC-710 | - |
| 800 | AC-560 | AC-630 | AC-500 | AC-800 | AC-560 | AC-400 | AC-400 | AC-300 | AC-225 | AC-175 | AC-175 | AC-800 | - |
| 900 | AC-630 | AC-710 | AC-560 | AC-900 | AC-630 | AC-450 | AC-450 | AC-300 | AC-250 | AC-200 | AC-200 | AC-900 | - |
| 1000 | AC-710 | AC-800 | AC-630 | AC-1000 | AC-710 | AC-500 | AC-500 | AC-350 | AC-300 | AC-200 | AC-200 | AC-1000 | - |

## SELECTION TABLE FOR AC INLET FLANGE FOR STORM | TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EN ASPIRACIÓN AC PARA STORM

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of AC inlet applied to the STORM* fans: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión AC aplicada en los ventiladores STORM: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

| Storm fan size*<br>Tamaño ventilador Storm* | AC<br>AC |
|---|---|
| 311 | AC 300 |
| 312 | AC 300 |
| 313 | AC 300 |
| 314 | AC 300 |
| 351 | AC 350 |
| 352 | AC 350 |
| 353 | AC 350 |
| 354 | AC 350 |
| 401 | AC 400 |
| 402 | AC 400 |
| 403 | AC 400 |
| 404 | AC 400 |
| 451 | AC 450 |
| 452 | AC 450 |
| 453 | AC 450 |
| 454 | AC 450 |
| 501 | AC 500 |

| Storm fan size*<br>Tamaño ventilador Storm* | AC<br>AC |
|---|---|
| 502 | AC 500 |
| 503 | AC 500 |
| 504 | AC 500 |
| 561 | AC 560 |
| 562 | AC 560 |
| 563 | AC 560 |
| 564 | AC 560 |
| 631 | AC 630 |
| 632 | AC 630 |
| 633 | AC 630 |
| 634 | AC 630 |
| 711 | AC 710 |
| 712 | AC 710 |
| 713 | AC 710 |
| 714 | AC 710 |
| 801 | AC 800 |
| 802 | AC 800 |

| Storm fan size*<br>Tamaño ventilador Storm* | AC<br>AC |
|---|---|
| 803 | AC 800 |
| 804 | AC 800 |
| 901 | AC 900 |
| 902 | AC 900 |
| 903 | AC 900 |
| 904 | AC 900 |
| 1001 | AC 1000 |
| 1002 | AC 1000 |
| 1003 | AC 1000 |
| 1004 | AC 1000 |
| 1121 | AC 112 |
| 1122 | AC 112 |
| 1251 | AC 125 |
| 1252 | AC 125 |
| 1401 | AC 140 |
| 1402 | AC 140 |

* The Storm fan can be a NIMUS, NIMAX, PRESTUR, PREXTUR or IGNÉO.
* El ventilador Storm puede ser NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

# EI





## CIRCULAR OUTLET CONNECTION FLANGE

### MANUFACTURING FEATURES
- Connection to be fitted in the centrifugal fans outlet.
- Manufactured in galvanized steel.

### UNDER REQUEST
- Versions in stainless 304 and stainless 316.

## EMBOCADURA DE CONEXIÓN PARA IMPULSIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS
- Brida de conexión para boca de impulsión rectangular de ventiladores centrífugos facilitando el conexionado a conducto circular.
- Fabricados en acero galvanizado.

### BAJO DEMANDA
- Versiones en Inoxidable 304 e Inoxidable 316.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| 962120111 | EI 12/5 | MB 12/5 | 1,20 | **176,10** |
| 962140111 | EI 14/5 | MB 14/5 | 1,20 | **185,10** |
| 962160111 | EI 16/6 | MB 16/6 | 1,60 | **192,50** |
| 962180111 | EI 18/7 | MB 18/7 | 1,90 | **192,50** |
| 962200111 | EI 20/6 | MB 20/6 | 1,60 | **181,60** |
| 962200112 | EI 20/8 | MB 20/8 | - | **206,60** |
| 962220111 | EI 22/9 | MB 22/9 | 2,50 | **219,50** |
| 962250111 | EI 25/10 | MB-MBC 25/10 | 3,80 | **253,00** |
| 962280111 | EI 28/11 | MB-MBC 28/11 | - | **263,20** |
| 962310111 | EI 31/12 | MB-MBC 31/12 | - | **267,30** |
| 962350111 | EI 35/14 | MB-MBC 35/14 | - | **290,80** |
| 962400111 | EI 40/16 | MB-MBC 40/16 | - | **320,50** |
| 962450112 | EI 45/5 | AA 45/5 | - | **203,50** |
| 962450111 | EI 45/18 | MB-MBC 45/18 | - | **352,70** |
| 962470111 | EI 47 | AA 47-53-59-66-70 | - | **171,00** |
| 962500112 | EI 50/5 | AA 50/5 | - | **241,80** |
| 962600111 | EI 60/7 | AA 60/7 | - | **241,20** |

| Code<br>Código | Model<br>Modelo | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 510200500 | EI 54x4-54 | - | **166,30** |
| 510200600 | EI 66x4-66 | 1,60 | **169,60** |
| 510200800 | EI 83x4-80 | 1,70 | **173,30** |
| 510200900 | EI 95x68-130 | 1,90 | **174,70** |
| 510201000 | EI 105x76-150 | - | **179,60** |
| 510201100 | EI 117x85-175 | 2 | **179,60** |
| 510201200 | EI 124x103-130 | 2,10 | **183,10** |
| 510201300 | EI 131x95-200 | - | **183,10** |
| 510201400 | EI 146x105-200 | - | **191,40** |
| 510201602 | EI 166x117-200 | - | **199,70** |
| 510201603 | EI 166x117-225 | 2,30 | **199,70** |
| 510201801 | EI 185x131-200 | 2,40 | **216,30** |
| 510201802 | EI 185x131-225 | 2,60 | **216,30** |
| 510201803 | EI 185x131-250 | - | **216,30** |
| 510202001 | EI 207x148-200 | - | **266,10** |
| 510202002 | EI 207x148-225 | 2,80 | **266,10** |
| 510202004 | EI 207x148-300 | - | **266,10** |
| 510202300 | EI 231x166-200 | - | **283,10** |
| 510202301 | EI 231x166-225 | - | **283,10** |
| 510202303 | EI 231x166-300 | - | **283,10** |
| 510202500 | EI 258x185-225 | - | **299,60** |
| 510202501 | EI 258x185-250 | - | **299,60** |
| 510202502 | EI 258x185-300 | - | **299,60** |
| 510202504 | EI 258x185-350 | 3 | **299,60** |
| 510202800 | EI 288x205-250 | - | **308,00** |
| 510202801 | EI 288x205-300 | - | **308,00** |

| Code<br>Código | Model<br>Modelo | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 510202803 | EI 288x205-350 | 3,50 | **308,00** |
| 510202804 | EI 288x205-400 | - | **308,00** |
| 510203200 | EI 322x229-300 | - | **316,20** |
| 510203203 | EI 322x229-400 | 4,80 | **316,20** |
| 510203205 | EI 322x229-450 | 5,10 | **316,20** |
| 510203600 | EI 361x256-300 | - | **332,90** |
| 510203601 | EI 361x256-350 | - | **332,90** |
| 510203603 | EI 361x256-450 | 5,40 | **332,90** |
| 510204000 | EI 404x288-350 | 5,60 | **349,20** |
| 510204001 | EI 404x288-400 | 6 | **349,20** |
| 510204003 | EI 404x288-500 | 6,30 | **349,20** |
| 510204500 | EI 453x322-400 | - | **416,10** |
| 510204501 | EI 453x322-450 | - | **416,10** |
| 510205000 | EI 507x361-450 | 6,40 | **432,40** |
| 510205001 | EI 507x361-500 | - | **432,40** |
| 510205600 | EI 569x404-500 | 7,30 | **465,80** |
| 510205601 | EI 569x404-560 | - | **465,80** |
| 510206300 | EI 638x453-560 | 8,10 | **582,40** |
| 510206301 | EI 638x453-630 | 8,90 | **582,40** |
| 510207100 | EI 715x507-630 | - | **915,00** |
| 510207101 | EI 715x507-710 | 9,70 | **915,00** |
| 510208000 | EI 801x569-710 | 10,70 | **1.081,60** |
| 510208002 | EI 801x569-800 | 11,80 | **1.081,60** |
| 510208900 | EI 898x638-900 | - | **1.247,80** |
| 510210000 | EI 1007x715-1000 | 13 | **1.430,90** |

Check the most appropriate guard for each fan consulting the following selection table. Additional models under request.
Para saber el modelo de reja aplicable a un ventilador, consulte la siguiente tabla de selección. Resto de modelos bajo consulta.

## SELECTION TABLE FOR EI OUTLET CONNECTION FLANGE | TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EI

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of EI outlet connection flange for each fan. The indicated sizes correspond to the flanges EI.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión en impulsión EI. Los tamaños indicados corresponden a las bridas EI.

| Tamaño ventilador | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAVM/ AATVM | AAVG/ AATVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AATA/ AATZA | MBCA/ MTCA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | - | - | - | - | - | - | - | - | - | - | - | 185x131 (Ø200) |
| 200 | - | - | - | - | - | - | - | - | - | - | - | 207x148 (Ø200) |
| 220 | 124x103 (Ø130) | - | - | - | 124x103 (Ø130) | - | - | - | - | - | - | 231x166 (Ø225) |
| 250 | 207x148 (Ø200) | 207x148 (Ø200) | - | 258x185 (Ø250) | 207x148 (Ø200) | - | - | - | - | - | - | 258x185 (Ø250) |
| 280 | 231x166 (Ø200) | 231x166 (Ø225) | - | 288x205 (Ø300) | 231x166 (Ø200) | - | - | - | - | - | - | 288x205 (Ø300) |
| 310 | 258x185 (Ø225) | 258x185 (Ø250) | - | 322x229 (Ø300) | 258x185 (Ø225) | - | - | - | - | 54x4 (Ø54) | - | 322x229 (Ø300) |
| 350 | 288x205 (Ø250) | 288x205 (Ø300) | - | 361x256 (Ø350) | 288x205 (Ø250) | 146x105 (Ø200) | - | - | - | 54x4 (Ø54) | - | 361x256 (Ø350) |
| 400 | 322x229 (Ø300) | 322x229 (Ø300) | 258x185 (Ø250) | 404x288 (Ø400) | 322x229 (Ø300) | 166x117 (Ø200) | - | 105x76 (Ø150) | - | 54x4 (Ø54) | 95x68 (Ø130) | 404x288 (Ø400) |
| 450 | 361x256 (Ø300) | 361x256 (Ø350) | 288x205 (Ø300) | 453x322 (Ø450) | 361x256 (Ø300) | 185x131 (Ø225) | 185x131 (Ø225) | 117x85 (Ø175) | - | 54x4 (Ø54) | 105x76 (Ø150) | 453x322 (Ø450) |
| 500 | 404x288 (Ø350) | 404x288 (Ø400) | 322x229 (Ø300) | 507x361 (Ø500) | 404x288 (Ø350) | 207x148 (Ø250) | 207x148 (Ø250) | 131x95 (Ø200) | 105x76 (Ø150) | 54x4 (Ø54) | 117x85 (Ø175) | 507x361 (Ø500) |
| 560 | 453x322 (Ø400) | 453x322 (Ø450) | 361x256 (Ø350) | 569x404 (Ø560) | 453x322 (Ø400) | 231x166 (Ø300) | 231x166 (Ø300) | 146x105 (Ø200) | 117x85 (Ø175) | 54x4 (Ø54) | 131x95 (Ø200) | 569x404 (Ø560) |
| 630 | 507x361 (Ø450) | 507x361 (Ø500) | 404x288 (Ø400) | 638x453 (Ø630) | 507x361 (Ø450) | 258x185 (Ø300) | 258x185 (Ø300) | 166x117 (Ø225) | 131x95 (Ø200) | 54x4 (Ø54) | 146x105 (Ø200) | 638x453 (Ø630) |
| 710 | 569x404 (Ø500) | 569x404 (Ø560) | 453x322 (Ø450) | 715x507 (Ø710) | 569x404 (Ø500) | 288x205 (Ø350) | 288x205 (Ø350) | 185x131 (Ø250) | 146x105 (Ø200) | 66x4 (Ø66) | 166x117 (Ø225) | - |
| 800 | 638x453 (Ø560) | 638x453 (Ø630) | 507x361 (Ø500) | 801x569 (Ø800) | 638x453 (Ø560) | 322x229 (Ø400) | 322x229 (Ø400) | 207x148 (Ø300) | 166x117 (Ø225) | 66x4 (Ø66) | 185x131 (Ø250) | - |
| 900 | 715x507 (Ø630) | 715x507 (Ø710) | 569x404 (Ø560) | 898x638 (Ø900) | 715x507 (Ø630) | 361x256 (Ø450) | 361x256 (Ø450) | 231x166 (Ø300) | 185x131 (Ø250) | 83x4 (Ø83) | 207x148 (Ø300) | - |
| 1000 | 801x569 (Ø710) | 801x569 (Ø800) | 638x453 (Ø630) | 1007x715 (Ø1000) | 801x569 (Ø710) | 404x288 (Ø500) | 404x288 (Ø500) | 258x185 (Ø350) | 207x148 (Ø300) | 83x4 (Ø83) | 231x166 (Ø300) | - |

# EI DHUMAT



## OUTLET FLANGE FOR DHUMAT

**MANUFACTURING FEATURES**

- Connection flange for rectangular outlet of DHUMAT, to make the connection to a circular duct easier.
- Made of galvanized steel.

## EMBOCADURA IMPULSIÓN DHUMAT

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de conexión para boca de impulsión rectangular de ventiladores DHUMAT facilitando el conexionado a conducto circular.
- Fabricada en acero galvanizado.

| Code | Model | Weight Kg | R.R.P € |
|---|---|---|---|
| Código | Modelo | Peso Kg | P.V.P € |
| 965310111 | EI DHUMAT 315 | 7 | **332,60** |
| 965350111 | EI DHUMAT 355 | 7 | **359,90** |
| 965400111 | EI DHUMAT 400 | 12 | **470,00** |
| 965450111 | EI DHUMAT 450 | 13 | **470,00** |
| 965500111 | EI DHUMAT 500 | 15 | **700,20** |
| 965560111 | EI DHUMAT 560 | 16 | **700,20** |
| 965630111 | EI DHUMAT 630 | 20 | **860,10** |
| 965710111 | EI DHUMAT 710 | 32 | **1.060,20** |
| 965800111 | EI DHUMAT 800 | 32 | **1.060,20** |

# EIS



## STORM OUTLET FLANGE

### MANUFACTURING FEATURES
- Connection flange for rectangular outlet of STORM centrifugal fans making the connection to circular duct easier.
- Manufactured in galvanized steel.

### UNDER REQUEST
- Versions in stainless 304 and stainless 316.

## EMBOCADURA DE IMPULSIÓN STORM

### CARACTERÍSTICAS CONSTRUCTIVAS
- Brida de conexión para boca de impulsión rectangular de los ventiladores centrífugos Storm facilitando el conexionado a conducto circular.
- Fabricado en acero galvanizado.

### BAJO DEMANDA
- Versiones en Inoxidable 304 e Inoxidable 316.

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| EIS-3119831 | EIS 315x198-315 | **308,80** |
| EIS-3122131 | EIS 315x221-315 | **308,80** |
| EIS-3522435 | EIS 355x224-355 | **318,30** |
| EIS-3525035 | EIS 355x250-355 | **318,30** |
| EIS-4025240 | EIS 400x252-400 | **327,90** |
| EIS-4028140 | EIS 400x281-400 | **366,50** |
| EIS-4528445 | EIS 450x284-450 | **366,50** |
| EIS-4531645 | EIS 450x316-450 | **414,80** |
| EIS-5031650 | EIS 500x316-500 | **443,60** |
| EIS-5035250 | EIS 500x352-500 | **443,60** |
| EIS-5635456 | EIS 560x354-560 | **443,60** |
| EIS-5639456 | EIS 560x394-560 | **501,60** |
| EIS-6339863 | EIS 630x398-630 | **501,60** |
| EIS-6344363 | EIS 630x443-630 | **520,70** |
| EIS-7144971 | EIS 710x449-710 | **783,60** |
| EIS-7150071 | EIS 710x500-710 | **783,60** |
| EIS-8050580 | EIS 800x505-800 | **1.041,60** |
| EIS-8056280 | EIS 800x562-800 | **1.041,60** |
| EIS-9056790 | EIS 900x567-900 | **1.114,00** |
| EIS-9063390 | EIS 900x633-900 | **1.186,40** |
| EIS-100633100 | EIS 1000x633-1000 | **1.273,00** |
| EIS-100704100 | EIS 1000x704-1000 | **1.330,80** |
| EIS-112801-112 | EIS 1130x801-1120 | **Consult\|Consultar** |
| EIS-125898-125 | EIS 1267x898-1250 | **Consult\|Consultar** |
| EIS-1401007-140 | EIS 1421x1007-1400 | **Consult\|Consultar** |

## SELECTION TABLE FOR EIS OUTLET CONNECTION FLANGE FOR STORM |
## TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EIS PARA STORM

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of EIS outlet flange applied to the STORM* fans: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión en impulsión EIS aplicada en ventiladores STORM*: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

| Storm fan size*<br>Tamaño ventilador Storm* | EIS<br>EIS |
|---|---|
| 311 | EIS 315x198-315 |
| 312 | EIS 315x198-315 |
| 313 | EIS 315x221-315 |
| 314 | EIS 315x221-315 |
| 351 | EIS 355x224-350 |
| 352 | EIS 355x224-350 |
| 353 | EIS 355x250-350 |
| 354 | EIS 355x250-350 |
| 401 | EIS 400x252-400 |
| 402 | EIS 400x252-400 |
| 403 | EIS 400x281-400 |
| 404 | EIS 400x281-400 |
| 451 | EIS 450x284-450 |
| 452 | EIS 450x284-450 |
| 453 | EIS 450x316-450 |
| 454 | EIS 450x316-450 |
| 501 | EIS 500x316-500 |

| Storm fan size*<br>Tamaño ventilador Storm* | EIS<br>EIS |
|---|---|
| 502 | EIS 500x316-500 |
| 503 | EIS 500x352-500 |
| 504 | EIS 500x352-500 |
| 561 | EIS 560x354-560 |
| 562 | EIS 560x354-560 |
| 563 | EIS 560x394-560 |
| 564 | EIS 560x394-560 |
| 631 | EIS 630x398-630 |
| 632 | EIS 630x398-630 |
| 633 | EIS 630x443-630 |
| 634 | EIS 630x443-630 |
| 711 | EIS 710x449-710 |
| 712 | EIS 710x449-710 |
| 713 | EIS 710x500-710 |
| 714 | EIS 710x500-710 |
| 801 | EIS 800x505-800 |
| 802 | EIS 800x505-800 |

| Storm fan size*<br>Tamaño ventilador Storm* | EIS<br>EIS |
|---|---|
| 803 | EIS 800x562-800 |
| 804 | EIS 800x562-800 |
| 901 | EIS 900x567-900 |
| 902 | EIS 900x567-900 |
| 903 | EIS 900x633-900 |
| 904 | EIS 900x633-900 |
| 1001 | EIS 1000x633-1000 |
| 1002 | EIS 1000x633-1000 |
| 1003 | EIS 1000x704-1000 |
| 1004 | EIS 1000x704-1000 |
| 1121 | Consult\|Consultar |
| 1122 | Consult\|Consultar |
| 1251 | Consult\|Consultar |
| 1252 | Consult\|Consultar |
| 1401 | Consult\|Consultar |
| 1402 | Consult\|Consultar |

# MBI



## OUTLET FLANGE FOR BD AND BV FANS

### MANUFACTURING FEATURES

- To be installed in the outlet of low pressure fans (BD, BV) and made the connection to the duct easier.
- Made of galvanized steel.

### UNDER REQUEST

- Possible spot welding on fans outlet.

## MARCO BRIDA DE IMPULSIÓN PARA VENTILADORES BD O BV

### CARACTERÍSTICAS CONSTRUCTIVAS

- Para instalarlo en la boca de impulsión de los ventiladores de baja presión (BD, BV) y facilitar el conexionado del conducto.
- Fabricado en acero galvanizado.

### BAJO DEMANDA

- Pueden subministrarse soldados por puntos en la boca de impulsión de los ventiladores.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| A-251161691 | MBI 7/7 | BD-BV 7/7 | **16,50** |
| A-251261691 | MBI 9/7 | BD-BV 9/7 | **18,20** |
| A-251281691 | MBI 9/9 | BD-BV 9/9 | **21,00** |
| A-251331691 | MBI 10/8 | BD-BV 10/8 | **29,70** |
| A-251371691 | MBI 10/10 | BD-BV 10/10 | **23,30** |
| A-251601691 | MBI 12/9 | BD-BV 12/9 | **27,90** |
| A-251521691 | MBI 12/12 | BD-BV 12/12 | **26,40** |
| A-252371691 | MBI 15/15 | BD-BV 15/15 | **35,60** |
| A-252451691 | MBI 18/18 | BV 18/18 | **49,80** |

UNDER REQUEST: Possible spot welding on fans outlet.
BAJO DEMANDA: Pueden ser soldados por puntos en la boca de impulsión.

# MC HB



## SQUARE FRAME FOR HB FANS

### MANUFACTURING FEATURES

- Square support frame for HB fans.
- Made of steel and protected against corrosion with polyester resin powder.

## MARCO SOPORTE CUADRADO PARA HB

### CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte cuadrado para ventiladores HB.
- Fabricado en acero y protegido contra la corrosión con polvo de resina de poliéster.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960003152 | MC HB 35 | HB-HBF-HBX 35 | **103,80** |
| 960003153 | MC HB 40 | HB-HBF-HBX 40 | **123,00** |
| 960003154 | MC HB 45 | HB-HBF-HBX 45 | **139,00** |
| 960003155 | MC HB 50 | HB-HBF-HBX 50 | **154,20** |
| 960003156 | MC HB 56 | HB-HBF-HBX 56 | **167,10** |
| 960003157 | MC HB 63 | HB-HBF-HBX 63 | **185,80** |
| 960003158 | MC HB 71 | HB-HBF-HBX 71 | **193,00** |
| 960003159 | MC HB 80 | HB-HBF-HBX 80 | **234,40** |
| 960003160 | MC HB 90 | HB-HBF-HBX 90 | **312,20** |
| 960003161 | MC HB 100 | HB-HBF-HBX 100 | **384,20** |

# BA-400



## FLEXIBLE FLANGE 400ºC/2H

**MANUFACTURING FEATURES**

- Flexible polyurethane coupling flange with fiberglass fabric to avoid possible vibrations to the installation.
- 160 mm width and supplied with 2 fixing clamps.
- Certified according to the European standard EN 12101-3 400ºC/2h. Fire classification: M0..

## BRIDA ANTIVIBRATORIA 400ºC/2H

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento flexible de poliuretano con tejido de fibra de vidrio para evitar posibles vibraciones en la instalación.
- Ancho de 160 mm y suministrada con 2 abrazaderas de fijación.
- Homologada según norma europea EN 12101-3 400ºC/2h. Clasificación al fuego: M0.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960002068 | BA-400 10/12 | 100/125 | **39,90** |
| 960002067 | BA-400 15/16 | 150/160 | **43,80** |
| 960002066 | BA-400 20 | 200 | **45,90** |
| 960002051 | BA-400 25 | 250 | **48,90** |
| 960002052 | BA-400 30/31 | 300/315 | **55,60** |
| 960002053 | BA-400 35 | 355 | **57,40** |
| 960002054 | BA-400 40 | 400 | **62,20** |
| 960002055 | BA-400 45 | 450 | **65,70** |
| 960002064 | BA-400 50 | 500 | **71,00** |
| 960002056 | BA-400 56 | 560 | **74,90** |
| 960002057 | BA-400 63 | 630 | **80,40** |
| 960002058 | BA-400 71 | 710 | **90,40** |
| 960002059 | BA-400 80 | 800 | **96,80** |
| 960002061 | BA-400 90 | 900 | **110,40** |
| 960002062 | BA-400 100 | 1000 | **116,40** |
| 960002063 | BA-400 112 | 1120 | **188,10** |
| 960002069 | BA-400 125 | 1250 | **193,30** |

# JE 45



## ANTI-VIBRATION JOINT

**MANUFACTURING FEATURES**

- Flexible joint to clinch the fan to the duct.
- Avoids transmission of vibrations for circular and rectangular connection.
- Dimensions: two metallic flanges of 45mm each one and a flexible flange of 60mm.
- The reel is 30,5m lenght.
- Maximum pressure: 20 mmca.
- Fire resistance M0 from -50ºC to +200ºC in continuous and 400ºC/2h.

## BRIDA ANTIVIBRATORIA

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Junta elástica para remachar entre el ventilador y el conducto.
- Evita la transmisión de vibraciones para conexión circular y rectangular.
- Dimensiones: dos bandas metálicas de 45mm y una banda elástica de 60mm.
- Se suministra en bobina de 30,5m.
- Presión máxima: 20mmca.
- Resistencia al fuego M0 de -50ºC a +200ºC en continuo y 400ºC/2h.

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| 300719201 | JE 45 | **208,60** |

# BAD



## CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE

**MANUFACTURING FEATURES**

- Circular-circular coupling flange through anti-vibration canvas.
- Fire resistance M0: from -50ºC to +200ºC in continuous and 400ºC/2h.

## BRIDA ANTIVIBRATORIA CIRCULAR-CIRCULAR

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento circular-circular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50ºC a +200ºC en continuo y 400ºC/2h.

| Code<br>Código | Model<br>Modelo | Ø Input-Output<br>Ø Entrada-Salida | R.R.P €<br>P.V.P € |
|---|---|---|---|
| 960003451 | BAD 1 | 80 | **129,20** |
| 960003452 | BAD 2 | 100 | **130,00** |
| 960003453 | BAD 3 | 130 | **132,40** |
| 960003454 | BAD 4 | 150 | **143,60** |
| 960003455 | BAD 5 | 175 | **146,20** |
| 960003456 | BAD 6 | 200 | **149,50** |
| 960003457 | BAD 7 | 225 | **156,10** |
| 960003458 | BAD 8 | 250 | **181,90** |
| 960003459 | BAD 9 | 300 | **200,10** |
| 960003460 | BAD 10 | 350 | **207,40** |
| 960003461 | BAD 11 | 400 | **227,70** |
| 960003462 | BAD 12 | 450 | **236,60** |
| 960003463 | BAD 13 | 500 | **269,40** |
| 960003464 | BAD 14 | 560 | **298,20** |
| 960003465 | BAD 15 | 630 | **329,40** |
| 960003466 | BAD 16 | 710 | **401,00** |
| 960003467 | BAD 17 | 800 | **394,40** |
| 960003468 | BAD 18 | 900 | **561,00** |
| 960003469 | BAD 19 | 1000 | **606,80** |
| 960003470 | BAD 20 | 1120 | **842,40** |
| 960003471 | BAD 21 | 1250 | **922,30** |

# BADS



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE

BRIDA ANTIVIBRATORIA CIRCULAR-CIRCULAR

**MANUFACTURING FEATURES**

- Circular-circular coupling flange through anti-vibration canvas.
- Supplied with two "O"shaped plates made of galvanized sheet metal and necessary screws.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento circular-circular mediante lona anti-vibratoria.
- Se suministra con 2 pletinas en forma de "O" de chapa galvanizada y tornillería.

## ANTI-VIBRATION FLANGE FOR STORM | BRIDA ANTIVIBRATORIA PARA STORM

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BADS-3131 | BADS 315 | NIMUS-PRESTUR-KASTORM 311, NIMAX-PREXTUR-KASTORM 314, NIMUS-TR 315 | **236,70** |
| BADS-3535 | BADS 350 | NIMUS-PRESTUR-KASTORM 351, NIMAX-PREXTUR-KASTORM 354, NIMUS-TR 350 | **259,40** |
| BADS-4040 | BADS 400 | NIMUS-PRESTUR-KASTORM 401, NIMAX-PREXTUR-KASTORM 404, NIMUS-TR 400 | **292,10** |
| BADS-4545 | BADS 450 | NIMUS-PRESTUR-KASTORM 451, NIMAX-PREXTUR-KASTORM 454, NIMUS-TR 450 | **335,10** |
| BADS-5050 | BADS 500 | NIMUS-PRESTUR-KASTORM 501, NIMAX-PREXTUR-KASTORM 504 | **388,20** |
| BADS-5656 | BADS 560 | NIMUS-PRESTUR-KASTORM 561, NIMAX-PREXTUR-KASTORM 564 | **437,30** |
| BADS-6363 | BADS 630 | NIMUS-PRESTUR-KASTORM 631, NIMAX-PREXTUR-KASTORM 634 | **503,20** |
| BADS-7171 | BADS 710 | NIMUS-PRESTUR-KASTORM 711, NIMAX-PREXTUR-KASTORM 714 | **598,60** |
| BADS-8080 | BADS 800 | NIMUS-PRESTUR 801, NIMAX-PREXTUR 804 | **691,70** |
| BADS-9090 | BADS 900 | NIMUS 901 | **814,30** |
| BADS-100100 | BADS 1000 | NIMUS 1001 | **963,60** |
| BADS-112112 | BADS 1120 | NIMUS 1121,1122 | **1.112,90** |
| BADS-125125 | BADS 1250 | NIMUS 1251,1252 | **1.262,20** |
| BADS-140140 | BADS 1400 | NIMUS 1401,1402 | **1.411,50** |

## ANTI-VIBRATION FLANGE FOR | BRIDA ANTIVIBRATORIA PARA :

| | | | | |
|---|---|---|---|---|
| º MBCA º MTCA | º MBGR º MTGR | º MBRM º MTRM | º MBRU º MTRU | º MBZM P/R º MTZM P/R |
| º MTRL | º AAVA º AATVA | º AAVC/N º AATVC | º AAVG/N º AATVG/N | º AAVM º AATVM |
| º AAVP/N º AATVP/N | º AAZA º AATZA | º AAZB º AATZB | º AAZC º AATZC | |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BADS130-4 | BADS 130-4 | **178,00** |
| BADS145-8 | BADS 145-8 | **190,10** |
| BADS165-8 | BADS 165-8 | **198,30** |
| BADS185-8 | BADS 185-8 | **198,30** |
| BADS205-8 | BADS 205-8 | **210,40** |
| BADS224-8 | BADS 224-8 | **234,80** |
| BADS228-8 | BADS 228-8 | **234,80** |
| BADS255-8 | BADS 255-8 | **251,10** |
| BADS285-8 | BADS 285-8 | **259,20** |
| BADS320-8 | BADS 320-8 | **285,60** |
| BADS360-8 | BADS 360-8 | **317,60** |
| BADS405-8 | BADS 405-8 | **342,00** |
| BADS405-12 | BADS 405-12 | **342,00** |
| BADS455-8 | BADS 455-8 | **370,30** |
| BADS455-12 | BADS 455-12 | **370,30** |
| BADS505-8 | BADS 505-8 | **406,70** |
| BADS505-12 | BADS 505-12 | **406,70** |
| BADS565-12 | BADS 565-12 | **442,50** |
| BADS565-16 | BADS 565-16 | **442,50** |
| BADS635-12 | BADS 635-12 | **518,80** |
| BADS635-16 | BADS 635-16 | **518,80** |
| BADS715-16 | BADS 715-16 | **612,10** |
| BADS805-16 | BADS 805-16 | **715,40** |
| BADS905-16 | BADS 905-16 | **847,40** |
| BADS1007-16 | BADS 1007-16 | **951,20** |
| BADS1007-24 | BADS 1007-24 | **951,20** |
| BADS1130-24 | BADS 1130-24 | **1.141,20** |
| BADS1260-24 | BADS 1260-24 | **1.317,10** |
| BADS1420-32 | BADS 1420-32 | **1.527,70** |
| BADS1610-32 | BADS 1610-32 | **1.829,30** |

# BADS ATEX



CIRCULAR-CIRCULAR COUPLING FLANGE ATEX

BRIDA ANTIVIBRATORIA CIRCULAR-CIRCULAR ATEX

**MANUFACTURING FEATURES**

- Circular-circular coupling flange through anti-vibration canvas ATEX.
- Supplied with two "O"shaped plates made of galvanized sheet metal and necessary screws.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento circular-circular mediante lona antivibratoria ATEX.
- Se suministra con 2 pletinas en forma de "O" de chapa galvanizada y tornillería.

## ANTI-VIBRATION FLANGE ATEX FOR STORM | BRIDA ANTIVIBRATORIA ATEX PARA STORM

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BADS-3131X0 | BADS 315 ATEX | NIMUS-PRESTUR-KASTORM ATEX 311 | **348,80** |
| BADS-3535X0 | BADS 350 ATEX | NIMUS-PRESTUR-KASTORM ATEX 351 | **374,30** |
| BADS-4040X0 | BADS 400 ATEX | NIMUS-PRESTUR-KASTORM ATEX 401 | **439,40** |
| BADS-4545X0 | BADS 450 ATEX | NIMUS-PRESTUR-KASTORM ATEX 451 | **492,50** |
| BADS-5050X0 | BADS 500 ATEX | NIMUS-PRESTUR-KASTORM ATEX 501 | **565,70** |
| BADS-5656X0 | BADS 560 ATEX | NIMUS-PRESTUR-KASTORM ATEX 561 | **634,50** |
| BADS-6363X0 | BADS 630 ATEX | NIMUS-PRESTUR-KASTORM ATEX 631 | **723,80** |
| BADS-7171X0 | BADS 710 ATEX | NIMUS-PRESTUR-KASTORM ATEX 711 | **845,70** |
| BADS-8080X0 | BADS 800 ATEX | NIMUS-PRESTUR ATEX 801 | **968,70** |
| BADS-9090X0 | BADS 900 ATEX | NIMUS ATEX 901 | **1.124,50** |
| BADS-100100X0 | BADS 1000 ATEX | NIMUS ATEX 1001 | **1.307,20** |
| BADS-112112X0 | BADS 1120 ATEX | - | **1.486,90** |
| BADS-125125X0 | BADS 1250 ATEX | - | **1.672,60** |
| BADS-140140X0 | BADS 1400 ATEX | - | **1.855,30** |

## ANTI-VIBRATION FLANGE ATEX FOR | BRIDA ANTIVIBRATORIA ATEX PARA :

| | | |
|---|---|---|
| º MBCA ATEX º MTCA ATEX | º MBGR ATEX º MTGR ATEX | º MBRM ATEX º MTRM ATEX |
| º MBRU ATEX º MTRU ATEX | º MBZM P/R ATEX º MTZM P/R ATEX | º MTRL ATEX |
| º AAVA ATEX º AATVA ATEX | º AAVC/N ATEX º AATVC ATEX | º AAVG/N ATEX º AATVG/N ATEX |
| º AAVM ATEX º AATVM ATEX | º AAVP/N ATEX º AATVP/N ATEX | º AAZA ATEX º AATZA ATEX |
| º AAZB ATEX º AATZB ATEX | º AAZC ATEX º AATZC ATEX | |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BADS130-4X0 | BADS ATEX 130-4 | **251,70** |
| BADS145-8X0 | BADS ATEX 145-8 | **263,80** |
| BADS165-8X0 | BADS ATEX 165-8 | **272,00** |
| BADS185-8X0 | BADS ATEX 185-8 | **272,00** |
| BADS205-8X0 | BADS ATEX 205-8 | **284,20** |
| BADS224-8X0 | BADS ATEX 224-8 | **308,50** |
| BADS228-8X0 | BADS ATEX 228-8 | **308,50** |
| BADS255-8X0 | BADS ATEX 255-8 | **324,80** |
| BADS285-8X0 | BADS ATEX 285-8 | **332,90** |
| BADS320-8X0 | BADS ATEX 320-8 | **377,90** |
| BADS360-8X0 | BADS ATEX 360-8 | **422,60** |
| BADS405-8X0 | BADS ATEX 405-8 | **446,90** |
| BADS405-12X0 | BADS ATEX 405-12 | **446,90** |
| BADS455-8X0 | BADS ATEX 455-8 | **487,20** |
| BADS455-12X0 | BADS ATEX 455-12 | **487,20** |
| BADS505-8X0 | BADS ATEX 505-8 | **539,80** |
| BADS505-12X0 | BADS ATEX 505-12 | **539,80** |
| BADS565-12X0 | BADS ATEX 565-12 | **580,30** |
| BADS565-16X0 | BADS ATEX 565-16 | **580,30** |
| BADS635-12X0 | BADS ATEX 635-12 | **674,10** |
| BADS635-16X0 | BADS ATEX 635-16 | **674,10** |
| BADS715-16X0 | BADS ATEX 715-16 | **782,10** |
| BADS805-16X0 | BADS ATEX 805-16 | **900,00** |
| BADS905-16X0 | BADS ATEX 905-16 | **1.044,50** |
| BADS1007-16X0 | BADS ATEX 1007-16 | **1.173,40** |
| BADS1007-24X0 | BADS ATEX 1007-24 | **1.173,40** |
| BADS1130-24X0 | BADS ATEX 1130-24 | **1.355,20** |
| BADS1260-24X0 | BADS ATEX 1260-24 | **1.573,50** |
| BADS1420-32X0 | BADS ATEX 1420-32 | **1.803,30** |
| BADS1610-32X0 | BADS ATEX 1610-32 | **2.134,30** |

# BADS M0



CIRCULAR-CIRCULAR COUPLING FLANGE FOR HIGH TEMPERATURES

BRIDA ANTIVIBRATORIA CIRCULAR-CIRCULAR PARA ALTA TEMPERATURA

**MANUFACTURING FEATURES**

- Circular-circular coupling flange through anti-vibration canvas.
- Fire resistance M0 (from -50ºC to 200ºC in continious).
- Supplied with two O-shaped plates made of galvanized sheet metal and necessary screws.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento circular-circular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50ºC a 200ºC en contínuo.
- Se suministra con 2 pletinas en forma de "O" de chapa galvanizada y tornillería.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BADS-3131F4 | BADS M0 315 | IGNÉO 311 | **244,80** |
| BADS-3535F4 | BADS M0 350 | IGNÉO 351 | **275,00** |
| BADS-4040F4 | BADS M0 400 | IGNÉO 401 | **315,90** |
| BADS-4545F4 | BADS M0 450 | IGNÉO 451 | **354,90** |
| BADS-5050F4 | BADS M0 500 | IGNÉO 501 | **410,70** |
| BADS-5656F4 | BADS M0 560 | IGNÉO 561 | **462,60** |
| BADS-6363F4 | BADS M0 630 | IGNÉO 631 | **531,40** |
| BADS-7171F4 | BADS M0 710 | IGNÉO 711 | **630,40** |
| BADS-8080F4 | BADS M0 800 | - | **727,70** |
| BADS-9090F4 | BADS M0 900 | - | **854,80** |
| BADS-100100F4 | BADS M0 1000 | - | **1.008,70** |
| BADS-112112F4 | BADS M0 1120 | - | **1.162,60** |
| BADS-125125F4 | BADS M0 1250 | - | **1.316,50** |
| BADS-140140F4 | BADS M0 1400 | - | **1.470,40** |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BADS130-4F4 | BADS M0 130-4 | **203,20** |
| BADS145-8F4 | BADS M0 145-8 | **215,30** |
| BADS165-8F4 | BADS M0 165-8 | **223,50** |
| BADS185-8F4 | BADS M0 185-8 | **223,50** |
| BADS205-8F4 | BADS M0 205-8 | **235,60** |
| BADS224-8F4 | BADS M0 224-8 | **260,00** |
| BADS228-8F4 | BADS M0 228-8 | **260,00** |
| BADS255-8F4 | BADS M0 255-8 | **276,30** |
| BADS285-8F4 | BADS M0 285-8 | **284,40** |
| BADS320-8F4 | BADS M0 320-8 | **313,40** |
| BADS360-8F4 | BADS M0 360-8 | **349,20** |
| BADS405-8F4 | BADS M0 405-8 | **373,60** |
| BADS405-12F4 | BADS M0 405-12 | **373,60** |
| BADS455-8F4 | BADS M0 455-8 | **404,90** |
| BADS455-12F4 | BADS M0 455-12 | **404,90** |
| BADS505-8F4 | BADS M0 505-8 | **444,70** |
| BADS505-12F4 | BADS M0 505-12 | **444,70** |
| BADS565-12F4 | BADS M0 565-12 | **482,90** |
| BADS565-16F4 | BADS M0 565-16 | **482,90** |
| BADS635-12F4 | BADS M0 635-12 | **560,20** |
| BADS635-16F4 | BADS M0 635-16 | **560,20** |
| BADS715-16F4 | BADS M0 715-16 | **656,50** |
| BADS805-16F4 | BADS M0 805-16 | **768,40** |
| BADS905-16F4 | BADS M0 905-16 | **903,80** |
| BADS1007-16F4 | BADS M0 1007-16 | **1.012,10** |
| BADS1007-24F4 | BADS M0 1007-24 | **1.012,10** |
| BADS1130-24F4 | BADS M0 1130-24 | **1.188,20** |
| BADS1260-24F4 | BADS M0 1260-24 | **1.393,80** |
| BADS1420-32F4 | BADS M0 1420-32 | **1.611,20** |
| BADS1610-32F4 | BADS M0 1610-32 | **1.923,40** |

## SELECTION TABLE FOR BADS | TABLA DE SELECCIÓN PARA BADS

| Ø | GR | RU | RM | RL | CA | ZA | ZB | ZC | ZM | VC | VP | VG | VM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | | | | | 185-8 | | | | | | | | |
| 200 | | | | | 205-8 | | | | | | | | |
| 220 | | | 130-4 | | 228-8 | | | | 130-4 | | | | |
| 250 | | 205-8 | 185-8 | 255-8 | 255-8 | | | | 185-8 | | | | |
| 280 | | 228-8 | 205-8 | 285-8 | 285-8 | | | | 205-8 | | | | |
| 310 | | 255-8 | 224-8 | 320-8 | 320-8 | | | | 228-8 | | | | |
| 350 | | 285-8 | 255-8 | 360-8 | 360-8 | | | | 255-8 | | | | 185-8 |
| 400 | 255-8 | 320-8 | 285-8 | 405-8 | 405-8 | 130-4 | 185-8 | 255-8 | 285-8 | | 145-8 | 185-8 | 205-8 |
| 450 | 285-8 | 360-8 | 320-8 | 455-8 | 455-8 | 145-8 | 205-8 | 285-8 | 320-8 | | 165-8 | 205-8 | 228-8 |
| 500 | 320-8 | 405-12 | 360-8 | 505-8 | 505-8 | 165-8 | 228-8 | 320-8 | 360-8 | 145-8 | 185-8 | 228-8 | 255-8 |
| 560 | 360-8 | 455-12 | 405-12 | 565-16 | 565-16 | 185-8 | 255-8 | 360-8 | 405-12 | 165-8 | 205-8 | 255-8 | 285-8 |
| 630 | 405-12 | 505-12 | 455-12 | 635-16 | 635-16 | 205-8 | 285-8 | 405-12 | 455-12 | 185-8 | 228-8 | 285-8 | 320-8 |
| 710 | 455-12 | 565-12 | 505-12 | 715-16 | 715-16 | 228-8 | 320-8 | 455-12 | 505-12 | 205-8 | 255-8 | 320-8 | 360-8 |
| 800 | 505-12 | 635-12 | 565-12 | 805-16 | 805-16 | 255-8 | 360-8 | 505-12 | 565-12 | 228-8 | 285-8 | 360-8 | 405-12 |
| 900 | 565-12 | 715-16 | 635-12 | 905-16 | 905-16 | 285-8 | 405-12 | 565-12 | 635-12 | 255-8 | 320-8 | 405-12 | 455-12 |
| 1000 | 635-12 | 805-16 | 715-16 | 1007-16 | 1007-16 | 320-8 | 455-12 | 635-12 | 715-16 | 285-8 | 360-8 | 455-12 | 505-12 |
| 1120 | 715-16 | 905-16 | 805-16 | 1130-24 | | | 505-12 | 715-16 | 805-16 | 320-8 | 405-12 | 505-12 | 565-12 |
| 1250 | 805-16 | 1007-24 | 905-16 | 1260-24 | | | 565-12 | 805-16 | 905-16 | 360-8 | 455-12 | 565-12 | 635-12 |
| 1400 | 905-16 | 1130-24 | 1007-24 | 1420-32 | | | | | | | 505-12 | 635-12 | 715-16 |
| 1600 | 1007-24 | 1260-24 | 1130-24 | 1610-32 | | | | | | | 565-12 | 715-16 | 805-16 |
| 1800 | 1130-24 | 1420-32 | 1260-24 | 1810-32 | | | | | | | | | 905-16 |
| 2000 | 1260-24 | 1610-32 | 1420-32 | 2010-32 | | | | | | | | | 1007-24 |

# BID

NEW NUEVO



**FOR | PARA SB-3 EEC**

RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE

**MANUFACTURING FEATURES**

- Rectangular-rectangular coupling flange through anti-vibration canvas.
- Supplied with four L-shaped plates made of galvanized sheet metal and necessary screws.

BRIDA ANTIVIBRATORIA RECTANGULAR-RECTANGULAR

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria.
- Se suministra con 4 pletinas en forma de "L" de chapa galvanizada y tornillería

## ANTI-VIBRATION FLANGE FOR SB-3 EEC | BRIDA ANTIVIBRATORIA PARA SB-3 EEC

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BID-3015 | BID SB-3 3015 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 3015 | **165,00** |
| BID-4020 | BID SB-3 4020 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 4020 | **175,00** |
| BID-5035 | BID SB-3 5035 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 5035 | **240,00** |
| BID-6040 | BID SB-3 6040 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 6040 | **275,00** |
| BID-7050 | BID SB-3 7050 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 7050 | **320,00** |
| BID-8060 | BID SB-3 8060 | SB-3 EEC, SB-3 PLUS EEC, SB-3 FILTER EEC, SB-3 PLUS FILTER EEC 8060 | **320,00** |

# BIDS



RECTANGULAR-RECTANGULAR ANTI-VIBRATION FLANGE FOR STORM

BRIDA ANTIVIBRATORIA RECTANGULAR-RECTANGULAR PARA STORM

**MANUFACTURING FEATURES**

- Rectangular-rectangular coupling flange through anti-vibration canvas.
- Supplied with four "L" shaped plates made of galvanized sheet metal and necessary screws.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria.
- Se suministra con 4 pletinas en forma de "L" de chapa galvanizada y tornillería.

## ANTI-VIBRATION FLANGE FOR STORM | BRIDA ANTIVIBRATORIA PARA STORM

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BIDS-31198 | BIDS 198x315-200 | NIMUS-PRESTUR-KASTORM 311, NIMUS-TR 315 | **210,00** |
| BIDS-31221 | BIDS 221x315-200 | NIMAX-PREXTUR-KASTORM 314 | **230,00** |
| BIDS-35224 | BIDS 224x355-200 | NIMUS-PRESTUR-KASTORM 351, NIMUS-TR 350 | **252,00** |
| BIDS-35250 | BIDS 250x355-200 | NIMAX-PREXTUR-KASTORM 354 | **253,00** |
| BIDS-40252 | BIDS 252x400-200 | NIMUS-PRESTUR-KASTORM 401, NIMUS-TR 400 | **227,20** |
| BIDS-40281 | BIDS 281x400-200 | NIMAX-PREXTUR-KASTORM 404 | **231,70** |
| BIDS-45284 | BIDS 284x450-200 | NIMUS-PRESTUR-KASTORM 451, NIMUS-TR 450 | **333,60** |
| BIDS-45316 | BIDS 316x450-200 | NIMAX-PREXTUR-KASTORM 454 | **348,20** |
| BIDS-50316 | BIDS 316x500-200 | NIMUS-PRESTUR-KASTORM 501 | **370,90** |
| BIDS-50352 | BIDS 352x500-200 | NIMAX-PREXTUR-KASTORM 504 | **387,30** |
| BIDS-56354 | BIDS 354x560-200 | NIMUS-PRESTUR-KASTORM 561 | **415,50** |
| BIDS-56394 | BIDS 394x560-200 | NIMAX-PREXTUR-KASTORM 564 | **433,60** |
| BIDS-63398 | BIDS 398x630-200 | NIMUS-PRESTUR-KASTORM 631 | **447,00** |
| BIDS-63443 | BIDS 443x630-200 | NIMAX-PREXTUR-KASTORM 634 | **466,50** |
| BIDS-71449 | BIDS 449x710-200 | NIMUS-PRESTUR-KASTORM 711 | **503,90** |
| BIDS-71500 | BIDS 500x710-200 | NIMAX-PREXTUR-KASTORM 714 | **526,10** |
| BIDS-80505 | BIDS 505x800-200 | NIMUS-PRESTUR-KASTORM 801 | **593,20** |
| BIDS-80562 | BIDS 562x800-200 | NIMAX-PREXTUR 804 | **619,10** |
| BIDS-90567 | BIDS 567x900-200 | NIMUS-PRESTUR 901 | **666,80** |
| BIDS-90633 | BIDS 633x900-200 | NIMAX-PREXTUR 904 | **696,80** |
| BIDS-100633 | BIDS 633x1000-200 | NIMUS-PRESTUR 1001 | **816,50** |
| BIDS-100704 | BIDS 704x1000-200 | NIMAX-PREXTUR 1004 | **852,00** |

## ANTI-VIBRATION FLANGE FOR | BRIDA ANTIVIBRATORIA PARA :

| | | | | |
|---|---|---|---|---|
| **º MBCA º MTCA** | **º MBGR º MTGR** | **º MBRM º MTRM** | **º MBRU º MTRU** | **º MBZM P/R º MTZM P/R** |
| **º MTRL** | **º AAVA º AATVA** | **º AAVC/N º AATVC** | **º AAVG/N º AATVG/N** | **º AAVM º AATVM** |
| **º AAVP/N º AATVP/N** | **º AAZA º AATZA** | **º AAZB º AATZB** | **º AAZC º AATZC** | |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BIDS-695 | BIDS 68x95-200 | **144,40** |
| BIDS-7105 | BIDS 76x105-200 | **144,40** |
| BIDS-8117 | BIDS 85x117-200 | **144,40** |
| BIDS-9131 | BIDS 95x131-200 | **144,40** |
| BIDS-10124 | BIDS 103x124-200 | **172,90** |
| BIDS-10146 | BIDS 105x146-200 | **156,60** |
| BIDS-11166 | BIDS 117x166-200 | **156,60** |
| BIDS-13185 | BIDS 131x185-200 | **172,90** |
| BIDS-14207 | BIDS 148x207-200 | **185,10** |
| BIDS-16231 | BIDS 166x231-200 | **189,10** |
| BIDS-18258 | BIDS 185x258-200 | **193,20** |
| BIDS-20288 | BIDS 205x288-200 | **202,80** |
| BIDS-22322 | BIDS 229x322-200 | **250,50** |
| BIDS-25361 | BIDS 256x361-200 | **254,60** |
| BIDS-28404 | BIDS 288x404-200 | **306,60** |
| BIDS-32453 | BIDS 322x453-200 | **358,50** |
| BIDS-36507 | BIDS 361x507-200 | **406,00** |
| BIDS-40569 | BIDS 404x569-200 | **421,20** |
| BIDS-45638 | BIDS 453x638-200 | **489,70** |
| BIDS-50715 | BIDS 507x715-200 | **545,60** |
| BIDS-56801 | BIDS 569x801-200 | **641,20** |
| BIDS-63898 | BIDS 638x898-200 | **735,20** |
| BIDS-711007 | BIDS 715x1007-200 | **855,60** |
| BIDS-801130 | BIDS 801x1130-200 | **1.000,50** |
| BIDS-891267 | BIDS 898x1267-200 | **1.157,40** |
| BIDS-1001421 | BIDS 1007x1421-200 | **1.253,10** |

# BIDS ATEX



RECTANGULAR-RECTANGULAR COUPLING FLANGE ATEX FOR STORM

BRIDA ANTIVIBRATORIA RECTANGULAR-RECTANGULAR ATEX PARA STORM

**MANUFACTURING FEATURES**

- Rectangular-rectangular coupling flange through anti-vibration canvas ATEX.
- Supplied with four "L" shaped plates made of galvanized sheet metal and necessary screws.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria ATEX.
- Se suministra con 4 pletinas en forma de "L" de chapa galvanizada y tornillería.

## ANTI-VIBRATION FLANGE ATEX FOR STORM | BRIDA ANTIVIBRATORIA ATEX PARA STORM

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BIDS-31198X0 | BIDS ATEX 198x315-200 | NIMUS-PRESTUR-KASTORM ATEX 311 | **295,00** |
| BIDS-31221X0 | BIDS ATEX 221x315-200 | KASTORM ATEX 314 | **310,00** |
| BIDS-35224X0 | BIDS ATEX 224x355-200 | NIMUS-PRESTUR-KASTORM ATEX 351 | **351,00** |
| BIDS-35250X0 | BIDS ATEX 250x355-200 | KASTORM ATEX 354 | **352,00** |
| BIDS-40252X0 | BIDS ATEX 252x400-200 | NIMUS-PRESTUR-KASTORM ATEX 401 | **373,30** |
| BIDS-40281X0 | BIDS ATEX 281x400-200 | KASTORM ATEX 404 | **384,00** |
| BIDS-45284X0 | BIDS ATEX 284x450-200 | NIMUS-PRESTUR-KASTORM ATEX 451 | **430,00** |
| BIDS-45316X0 | BIDS ATEX 316x450-200 | KASTORM ATEX 454 | **450,00** |
| BIDS-50316X0 | BIDS ATEX 316x500-200 | NIMUS-PRESTUR-KASTORM ATEX 501 | **495,00** |
| BIDS-50352X0 | BIDS ATEX 352x500-200 | KASTORM ATEX 504 | **520,00** |
| BIDS-56354X0 | BIDS ATEX 354x560-200 | NIMUS-PRESTUR-KASTORM ATEX 561 | **540,00** |
| BIDS-56394X0 | BIDS ATEX 394x560-200 | KASTORM ATEX 564 | **545,00** |
| BIDS-63398X0 | BIDS ATEX 398x630-200 | NIMUS-PRESTUR-KASTORM ATEX 631 | **611,70** |
| BIDS-63443X0 | BIDS ATEX 443x630-200 | KASTORM ATEX 634 | **628,30** |
| BIDS-71449X0 | BIDS ATEX 449x710-200 | NIMUS-PRESTUR-KASTORM ATEX 711 | **659,90** |
| BIDS-71500X0 | BIDS ATEX 500x710-200 | KASTORM ATEX 714 | **678,60** |
| BIDS-80505X0 | BIDS ATEX 505x800-200 | NIMUS-PRESTUR-KASTORM ATEX 801 | **763,60** |
| BIDS-80562X0 | BIDS ATEX 562x800-200 | - | **784,60** |
| BIDS-90567X0 | BIDS ATEX 567x900-200 | NIMUS-PRESTUR ATEX 901 | **823,10** |
| BIDS-90633X0 | BIDS ATEX 633x900-200 | - | **847,40** |
| BIDS-100633X0 | BIDS ATEX 633x1000-200 | NIMUS-PRESTUR ATEX 1001 | **934,30** |
| BIDS-100704X0 | BIDS ATEX 704x1000-200 | - | **960,50** |

## ANTI-VIBRATION FLANGE ATEX FOR | BRIDA ANTIVIBRATORIA ATEX PARA :

| | | |
|---|---|---|
| º MBCA ATEX º MTCA ATEX | º MBGR ATEX º MTGR ATEX | º MBRM ATEX º MTRM ATEX |
| º MBRU ATEX º MTRU ATEX | º MBZM P/R ATEX º MTZM P/R ATEX | º MTRL ATEX |
| º AAVA ATEX º AATVA ATEX | º AAVC/N ATEX º AATVC ATEX | º AAVG/N ATEX º AATVG/N ATEX |
| º AAVM ATEX º AATVM ATEX | º AAVP/N ATEX º AATVP/N ATEX | º AAZA ATEX º AATZA ATEX |
| º AAZB ATEX º AATZB ATEX | º AAZC ATEX º AATZC ATEX | |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BIDS-695X0 | BIDS ATEX 68x95-200 | **214,20** |
| BIDS-7105X0 | BIDS ATEX 76x105-200 | **214,20** |
| BIDS-8117X0 | BIDS ATEX 85x117-200 | **214,20** |
| BIDS-9131X0 | BIDS ATEX 95x131-200 | **214,20** |
| BIDS-10124X0 | BIDS ATEX 103x124-200 | **242,60** |
| BIDS-10146X0 | BIDS ATEX 105x146-200 | **226,40** |
| BIDS-11166X0 | BIDS ATEX 117x166-200 | **226,40** |
| BIDS-13185X0 | BIDS ATEX 131x185-200 | **242,60** |
| BIDS-14207X0 | BIDS ATEX 148x207-200 | **254,80** |
| BIDS-16231X0 | BIDS ATEX 166x231-200 | **258,90** |
| BIDS-18258X0 | BIDS ATEX 185x258-200 | **262,90** |
| BIDS-20288X0 | BIDS ATEX 205x288-200 | **290,80** |
| BIDS-22322X0 | BIDS ATEX 229x322-200 | **350,00** |
| BIDS-25361X0 | BIDS ATEX 256x361-200 | **354,00** |
| BIDS-28404X0 | BIDS ATEX 288x404-200 | **417,60** |
| BIDS-32453X0 | BIDS ATEX 322x453-200 | **484,90** |
| BIDS-36507X0 | BIDS ATEX 361x507-200 | **536,90** |
| BIDS-40569X0 | BIDS ATEX 404x569-200 | **568,60** |
| BIDS-45638X0 | BIDS ATEX 453x638-200 | **651,00** |
| BIDS-50715X0 | BIDS ATEX 507x715-200 | **713,50** |
| BIDS-56801X0 | BIDS ATEX 569x801-200 | **828,50** |
| BIDS-63898X0 | BIDS ATEX 638x898-200 | **930,80** |
| BIDS-711007X0 | BIDS ATEX 715x1007-200 | **1.071,50** |
| BIDS-801130X0 | BIDS ATEX 801x1130-200 | **1.234,40** |
| BIDS-891267X0 | BIDS ATEX 898x1267-200 | **1.418,80** |
| BIDS-1001421X0 | BIDS ATEX 1007x1421-200 | **1.533,70** |

# BIDS M0





## RECTANGULAR-RECTANGULAR COUPLING FLANGE FOR HIGH TEMPERATURES

### MANUFACTURING FEATURES

- Rectangular-rectangular coupling flange through anti-vibration canvas.
- Fire resistance M0 (from -50ºC to 200ºC in continious)
- Supplied with four L-shaped plates made of galvanized sheet metal and necessary screws.

## BRIDA ANTIVIBRATORIA RECTANGULAR-RECTANGULAR PARA ALTA TEMPERATURA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50ºC a 200ºC en contínuo
- Se suministra con 4 pletinas en forma de "L" de chapa galvanizada y tornillería.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicables | R.R.P €<br>P.V.P € |
|---|---|---|---|
| BIDS-31198F4 | BIDS M0 198x315-200 | IGNÉO 311 | **235,00** |
| BIDS-31221F4 | BIDS M0 221x315-200 | - | **250,00** |
| BIDS-35224F4 | BIDS M0 224x355-200 | IGNÉO 351 | **282,00** |
| BIDS-35250F4 | BIDS M0 250x355-200 | - | **284,00** |
| BIDS-40252F4 | BIDS M0 252x400-200 | IGNÉO 401 | **300,00** |
| BIDS-40281F4 | BIDS M0 281x400-200 | - | **315,00** |
| BIDS-45284F4 | BIDS M0 284x450-200 | IGNÉO 451 | **350,00** |
| BIDS-45316F4 | BIDS M0 316x450-200 | - | **360,00** |
| BIDS-50316F4 | BIDS M0 316x500-200 | IGNÉO 501 | **420,00** |
| BIDS-50352F4 | BIDS M0 352x500-200 | - | **430,00** |
| BIDS-56354F4 | BIDS M0 354x560-200 | IGNÉO 561 | **450,00** |
| BIDS-56394F4 | BIDS M0 394x560-200 | - | **455,00** |
| BIDS-63398F4 | BIDS M0 398x630-200 | IGNÉO 631 | **480,00** |
| BIDS-63443F4 | BIDS M0 443x630-200 | - | **500,00** |
| BIDS-71449F4 | BIDS M0 449x710-200 | IGNÉO 711 | **550,00** |
| BIDS-71500F4 | BIDS M0 500x710-200 | - | **570,00** |
| BIDS-80505F4 | BIDS M0 505x800-200 | - | **620,00** |
| BIDS-80562F4 | BIDS M0 562x800-200 | - | **650,00** |
| BIDS-90567F4 | BIDS M0 567x900-200 | - | **720,00** |
| BIDS-90633F4 | BIDS M0 633x900-200 | - | **750,00** |
| BIDS-100633F4 | BIDS M0 633x1000-200 | - | **850,00** |
| BIDS-100704F4 | BIDS M0 704x1000-200 | - | **900,00** |

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| BIDS-695F4 | BIDS M0 68x95-200 | **168,70** |
| BIDS-7105F4 | BIDS M0 76x105-200 | **168,70** |
| BIDS-8117F4 | BIDS M0 85x117-200 | **168,70** |
| BIDS-9131F4 | BIDS M0 95x131-200 | **168,70** |
| BIDS-10124F4 | BIDS M0 103x124-200 | **197,10** |
| BIDS-10146F4 | BIDS M0 105x146-200 | **180,90** |
| BIDS-11166F4 | BIDS M0 117x166-200 | **180,90** |
| BIDS-13185F4 | BIDS M0 131x185-200 | **197,10** |
| BIDS-14207F4 | BIDS M0 148x207-200 | **209,30** |
| BIDS-16231F4 | BIDS M0 166x231-200 | **213,40** |
| BIDS-18258F4 | BIDS M0 185x258-200 | **217,40** |
| BIDS-20288F4 | BIDS M0 205x288-200 | **229,10** |
| BIDS-22322F4 | BIDS M0 229x322-200 | **280,80** |
| BIDS-25361F4 | BIDS M0 256x361-200 | **284,80** |
| BIDS-28404F4 | BIDS M0 288x404-200 | **339,30** |
| BIDS-32453F4 | BIDS M0 322x453-200 | **394,60** |
| BIDS-36507F4 | BIDS M0 361x507-200 | **444,70** |
| BIDS-40569F4 | BIDS M0 404x569-200 | **460,70** |
| BIDS-45638F4 | BIDS M0 453x638-200 | **531,60** |
| BIDS-50715F4 | BIDS M0 507x715-200 | **591,60** |
| BIDS-56801F4 | BIDS M0 569x801-200 | **695,00** |
| BIDS-63898F4 | BIDS M0 638x898-200 | **792,40** |
| BIDS-711007F4 | BIDS M0 715x1007-200 | **918,80** |
| BIDS-801130F4 | BIDS M0 801x1130-200 | **1.069,70** |
| BIDS-891267F4 | BIDS M0 898x1267-200 | **1.237,10** |
| BIDS-1001421F4 | BIDS M0 1007x1421-200 | **1.338,90** |

## SELECTION TABLE FOR BIDS | TABLA DE SELECCIÓN PARA BIDS

| Ø | GR | RU | RM | RL | CA | ZA | ZB | ZC | ZM | VC | VP | VG | VM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | | | | | 131x185 | | | | | | | | |
| 200 | | | | | 148x207 | | | | | | | | |
| 220 | | | 103x124 | | 166x231 | | | | 103x124 | | | | |
| 250 | | 148x207 | 148x207 | 185x258 | 185x258 | | | | 148x207 | | | | |
| 280 | | 166x231 | 166x231 | 205x288 | 205x288 | | | | 166x231 | | | | |
| 310 | | 185x258 | 185x258 | 229x322 | 229x322 | | | | 185x258 | | | | |
| 350 | | 205x288 | 205x288 | 256x361 | 256x361 | | | | 205x288 | | | | 105x146 |
| 400 | 185x258 | 229x322 | 229x322 | 288x404 | 288x404 | 68x95 | 117x166 | 185x258 | 229x322 | | 76x105 | 95x131 | 117x166 |
| 450 | 205x288 | 256x361 | 256x361 | 322x453 | 322x453 | 76x105 | 131x185 | 205x288 | 256x361 | | 85x117 | 105x146 | 131x185 |
| 500 | 229x322 | 288x404 | 288x404 | 361x507 | 361x507 | 85x117 | 148x207 | 229x322 | 288x404 | 76x105 | 95x131 | 117x166 | 148x207 |
| 560 | 256x361 | 322x453 | 322x453 | 404x569 | 404x569 | 95x131 | 166x231 | 256x361 | 322x453 | 85x117 | 105x146 | 131x185 | 166x231 |
| 630 | 288x404 | 361x507 | 361x507 | 453x638 | 453x638 | 105x146 | 185x258 | 288x404 | 361x507 | 95x131 | 117x166 | 148x207 | 185x258 |
| 710 | 322x453 | 404x569 | 404x569 | 507x715 | 507x715 | 117x166 | 205x288 | 322x453 | 404x569 | 105x146 | 131x185 | 166x231 | 205x288 |
| 800 | 361x507 | 453x638 | 453x638 | 569x801 | 569x801 | 131x185 | 229x322 | 361x507 | 453x638 | 117x166 | 148x207 | 185x258 | 229x322 |
| 900 | 404x569 | 507x715 | 507x715 | 638x898 | 638x898 | 148x207 | 256x361 | 404x569 | 507x715 | 131x185 | 166x231 | 205x288 | 256x361 |
| 1000 | 453x638 | 569x801 | 569x801 | 715x1007 | 715x1007 | 166x231 | 288x404 | 453x638 | 569x801 | 148x207 | 185x258 | 229x322 | 288x404 |
| 1120 | 507x715 | 638x898 | 638x898 | 801x1130 | | | 322x453 | 507x715 | 638x898 | 166x231 | 205x288 | 256x361 | 322x453 |
| 1250 | 569x801 | 715x1007 | 715x1007 | 898x1267 | | | 361x507 | 569x801 | 715x1007 | 185x258 | 229x322 | 288x404 | 361x507 |
| 1400 | 638x898 | 801x1130 | 801x1130 | 1007x1421 | | | | | | | 256x361 | 322x453 | 404x569 |
| 1600 | 715x1007 | 898x1267 | 898x1267 | 1130x1593 | | | | | | | 288x404 | 361x507 | 453x638 |
| 1800 | 801x1130 | 1007x1421 | 1007x1421 | 1267x1786 | | | | | | | | | 507x715 |
| 2000 | 898x1267 | 1130x1593 | 1130x1593 | 1421x2003 | | | | | | | | | 569x801 |

# DBIC



CIRCULAR OUTLET DISC

DISCO BOCA IMPULSIÓN CIRCULAR

**MANUFACTURING FEATURES**

- The DBIC for HMR EVO is suitble for installing circular ducts on the oulet
- Made of galvanized steel.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- El DBIC para HMR EVO permite acoplar conducto circular a la boca de impulsión.
- Fabricado en acero galvanizado.

| Code | Model | Application | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicables | Peso kg | P.V.P € |
| 261500100 | DBIC HMR 315 | HMR EVO 315 | 4 | **90,00** |
| 261560100 | DBIC HMR 355 | HMR EVO 355 | 5,50 | **97,00** |
| 261630100 | DBIC HMR 400 | HMR EVO 400 | 5,50 | **107,00** |
| 261710100 | DBIC HMR 450 | HMR EVO 450 | 6,50 | **120,00** |
| 261800100 | DBIC HMR 500 | HMR EVO 500 | 8 | **135,00** |
| 261900100 | DBIC HMR 560 | HMR EVO 560 | 10 | **160,00** |
| 261100100 | DBIC HMR 630 | HMR EVO 630 | 12,50 | **205,00** |

# TCA



## INLET BLIND COVER

### MANUFACTURING FEATURES
- Allows customization of inlet's position and shape.
- Made of galvanized steel.

## TAPA CIEGA ASPIRACIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS
- Permite personalizar la posición y forma de la aspiración.
- Fabricada en acero galvanizado.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|
| A-960001111 | TCA 6 | BOX BD 7/7, BOX BV 7/7 | **30,60** |
| A-960001112 | TCA 7 | BOX BD 9/9, BOX BV 9/9 | **35,50** |
| A-960001113 | TCA 8 | BOX BD 10/10, BOX BV 10/10 | **37,20** |
| A-960001114 | TCA 9 | BOX BD 12/12, BOX BV 12/12 | **39,10** |
| A-960001115 | TCA 10 | BOX BD 15/15, BOX BV 15/15 | **43,20** |
| A-960001121 | TCA 11 | BOX BV 18/18 | **46,50** |
| A-960001122 | TCA 12 | BVFC 9/9 | **35,50** |
| A-960001123 | TCA 13 | BVFC 10/10 | **37,20** |
| A-960001124 | TCA 14 | BVFC 12/12 | **39,10** |
| A-960001125 | TCA 15 | BVFC 15/15 | **43,20** |
| A-960001131 | TCA 16 | BVFC 18/18 | **46,50** |

# TIC



## OUTLET BLIND COVER

### MANUFACTURING FEATURES
- Allows customization of outlet's position and shape.
- Made of galvanized steel.

## TAPA CIEGA IMPULSIÓN

### CARACTERÍSTICAS CONSTRUCTIVAS
- Permite personalizar la posición y forma de la impulsión.
- Fabricada en acero galvanizado.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| A-TICEB155 | TIC ENKB 155 | ENKELBOX EEC 155 | 0,60 | **10,60** |
| A-TICEB190 | TIC ENKB 190 | ENKELBOX EEC 190 | 0,90 | **14,70** |
| A-TICEB250 | TIC ENKB 250 | ENKELBOX EEC 250 | 1,50 | **21,90** |
| A-TICEB315 | TIC ENKB 315 | ENKELBOX EEC 315 | 2,20 | **31,50** |
| A-TICEB355 | TIC ENKB 355 | ENKELBOX EEC 355 | 3 | **42,00** |
| A-TICEB450 | TIC ENKB 450 | ENKELBOX EEC 450 | 4,88 | **60,90** |
| A-TICEBP155 | TIC ENKBP 155 | ENKELBOX PLUS EEC 155 | 0,50 | **13,10** |
| A-TICEBP190 | TIC ENKBP 190 | ENKELBOX PLUS EEC 190 | 0,60 | **13,10** |
| A-TICEBP250 | TIC ENKBP 250 | ENKELBOX PLUS EEC 250 | 1 | **17,70** |
| A-TICEBP315 | TIC ENKBP 315 | ENKELBOX PLUS EEC 315 | 1,50 | **25,90** |
| A-TICEBP355 | TIC ENKBP 355 | ENKELBOX PLUS EEC 355 | 2 | **30,50** |
| A-TICEBP450 | TIC ENKBP 450 | ENKELBOX PLUS EEC 450 | 3 | **40,30** |
| A-TICEBP500 | TIC ENKBP 500 | ENKELBOX PLUS EEC 500 | 4 | **45,70** |
| A-TICEBP560 | TIC ENKBP 560 | ENKELBOX PLUS EEC 560 | 5 | **48,70** |
| A-TICEBP630 | TIC ENKBP 630 | ENKELBOX PLUS EEC 630 | 6,50 | **56,00** |

## TIC FOR KENTALBOX PLUS & KENTALCOOK |
## TIC PARA KENTALBOX PLUS & KENTALCOOK

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| A-TICKBP315 | TIC KENTALBOX PLUS 315 | KENTALBOX PLUS & KENTALCOOK 315 | 4,20 | **32,10** |
| A-TICKBP355 | TIC KENTALBOX PLUS 355 | KENTALBOX PLUS & KENTALCOOK 355 | 5,30 | **34,20** |
| A-TICKBP400 | TIC KENTALBOX PLUS 400 | KENTALBOX PLUS & KENTALCOOK 400 | 6,80 | **40,30** |
| A-TICKBP450 | TIC KENTALBOX PLUS 450 | KENTALBOX PLUS & KENTALCOOK 450 | 10,20 | **48,60** |
| A-TICKBP500 | TIC KENTALBOX PLUS 500 | KENTALBOX PLUS & KENTALCOOK 500 | 11,80 | **51,90** |
| A-TICKBP560 | TIC KENTALBOX PLUS 560 | KENTALBOX PLUS & KENTALCOOK 560 | 14,50 | **56,90** |
| A-TICKBP630 | TIC KENTALBOX PLUS 630 | KENTALBOX PLUS & KENTALCOOK 630 | 17 | **61,90** |

# TBIC



## OUTLET ROUND COVER

## TAPA IMPULSIÓN CIRCULAR

**MANUFACTURING FEATURES**
- Allows duct connection.
- Made of galvanized steel.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Tapa que permite la conexión a conducto circular.
- Fabricada en acero galvanizado.

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso kg | P.V.P € |
| TBICEB155 | TBIC ENKB 155 | ENKELBOX EEC 155 | 0,60 | **30,60** |
| TBICEB190 | TBIC ENKB 190 | ENKELBOX EEC 190 | 1 | **39,50** |
| TBICEB250 | TBIC ENKB 250 | ENKELBOX EEC 250 | 1,50 | **52,70** |
| TBICEB315 | TBIC ENKB 315 | ENKELBOX EEC 315 | 2 | **65,10** |
| TBICEB355 | TBIC ENKB 355 | ENKELBOX EEC 355 | 3 | **82,70** |
| TBICEB450 | TBIC ENKB 450 | ENKELBOX EEC 450 | 4,50 | **104,50** |
| TBICEBP155 | TBIC ENKBP 155 | ENKELBOX PLUS EEC 155 | 0,60 | **33,10** |
| TBICEBP190 | TBIC ENKBP 190 | ENKELBOX PLUS EEC 190 | 0,70 | **37,90** |
| TBICEBP250 | TBIC ENKBP 250 | ENKELBOX PLUS EEC 250 | 1 | **48,50** |
| TBICEBP315 | TBIC ENKBP 315 | ENKELBOX PLUS EEC 315 | 1,50 | **59,60** |
| TBICEBP355 | TBIC ENKBP 355 | ENKELBOX PLUS EEC 355 | 2 | **71,10** |
| TBICEBP450 | TBIC ENKBP 450 | ENKELBOX PLUS EEC 450 | 3 | **83,90** |
| TBICEBP500 | TBIC ENKBP 500 | ENKELBOX PLUS EEC 500 | 4 | **85,80** |
| TBICEBP560 | TBIC ENKBP 560 | ENKELBOX PLUS EEC 560 | 5 | **95,40** |
| TBICEBP630 | TBIC ENKBP 630 | ENKELBOX PLUS EEC 630 | 6,50 | **130,20** |

### TBIC FOR KENTALBOX PLUS & KENTALCOOK |
### TBIC PARA KENTALBOX PLUS & KENTALCOOK

| Code | Model | Application | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| TBICKBP315 | TBIC KENTALBOX PLUS 315 | KENTALBOX PLUS & KENTALCOOK 315 | 3,20 | **69,00** |
| TBICKBP355 | TBIC KENTALBOX PLUS 355 | KENTALBOX PLUS & KENTALCOOK 355 | 4 | **74,30** |
| TBICKBP400 | TBIC KENTALBOX PLUS 400 | KENTALBOX PLUS & KENTALCOOK 400 | 5 | **87,70** |
| TBICKBP450 | TBIC KENTALBOX PLUS 450 | KENTALBOX PLUS & KENTALCOOK 450 | 8 | **105,70** |
| TBICKBP500 | TBIC KENTALBOX PLUS 500 | KENTALBOX PLUS & KENTALCOOK 500 | 9 | **112,90** |
| TBICKBP560 | TBIC KENTALBOX PLUS 560 | KENTALBOX PLUS & KENTALCOOK 560 | 10,50 | **123,70** |
| TBICKBP630 | TBIC KENTALBOX PLUS 630 | KENTALBOX PLUS & KENTALCOOK 630 | 12 | **134,50** |

# TIAC



## INLET-OUTLET ROUND FLANGES

## TAPA DE ASPIRACIÓN / IMPULSIÓN CIRCULAR

**MANUFACTURING FEATURES**
- Allows duct connection.
- Made of galvanized steel.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Tapa que permite la conexión a conducto circular.
- Fabricada en acero galvanizado.

| Code | Model | Ø Out | Application | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Ø Salida | Aplicable | P.V.P € |
| 960001351 | TIAC 1 (OUT) | 250 | IMPULSIÓN BOX BD, BOX BV 7/7 | **48,00** |
| 960001352 | TIAC 2 (OUT) | 300 | IMPULSIÓN BOX BD, BOX BV, BVFC 9/9 | **59,30** |
| 960001353 | TIAC 3 (OUT) | 355 | IMPULSIÓN BOX BD, BOX BV, BVFC 10/10 | **64,00** |
| 960001354 | TIAC 4 (OUT) | 400 | IMPULSIÓN BOX BD, BOX BV, BVFC 12/12 | **74,30** |
| 960001355 | TIAC 5 (OUT) | 500 | IMPULSIÓN BOX BD, BOX BV, BVFC 15/15 | **83,80** |
| 960001356 | TIAC 6 (OUT) | 600 | IMPULSIÓN BOX BV, BVFC 18/18 | **125,30** |
| 960001357 | TIAC 7 (IN) | 300 | ASPIRACIÓN BVFC 9/9 | **63,80** |
| 960001358 | TIAC 8 (IN) | 355 | ASPIRACIÓN BVFC 10/10 | **67,70** |
| 960001359 | TIAC 9 (IN) | 400 | ASPIRACIÓN BVFC 12/12 | **81,10** |
| 960001360 | TIAC 10 (IN) | 500 | ASPIRACIÓN BVFC 15/15 | **107,70** |
| 960001361 | TIAC 11 (IN) | 600 | ASPIRACIÓN BVFC 18/18 | **135,70** |
| 960001362 | TIAC 12 (IN) | 250 | ASPIRACIÓN BOX BD 7/7, BOX BV 7/7 | **48,00** |
| 960001363 | TIAC 13 (IN) | 300 | ASPIRACIÓN BOX BD 9/9, BOX BV 9/9 | **59,30** |
| 960001364 | TIAC 14 (IN) | 355 | ASPIRACIÓN BOX BD 10/10, BOX BV 10/10 | **64,00** |
| 960001365 | TIAC 15 (IN) | 400 | ASPIRACIÓN BOX BD 12/12, BOX BV 12/12 | **74,30** |
| 960001366 | TIAC 16 (IN) | 500 | ASPIRACIÓN BOX BD 15/15, BOX BV 15/15 | **83,80** |
| 960001367 | TIAC 17 (IN) | 600 | ASPIRACIÓN BOX BV 18/18 | **125,30** |
| 960001940 | TIAC 40 | - | BOX RL/RLF/RLFX 400 | **177,30** |
| 960001945 | TIAC 45 | - | BOX RL/RLF/RLFX 450 | **183,80** |
| 960001950 | TIAC 50 | - | BOX RL/RLF/RLFX 500 | **194,40** |
| 960001956 | TIAC 56 | - | BOX RL/RLF/RLFX 560 | **199,30** |
| 960001963 | TIAC 63 | - | BOX RL/RLF/RLFX 630 | **209,90** |
| 960001971 | TIAC 71 | - | BOX RL/RLF/RLFX 710 | **226,10** |
| 960001980 | TIAC 80 | - | BOX RL/RLF/RLFX 800 | **254,20** |

| Code | Model | Ø Out | Application | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Ø Salida | Aplicable | P.V.P € |
| 251161932R | TIAC BOX BD/BV PLUS 7/7 (Ø250) | 250 | BOX BD/BV PLUS 7/7 | **134,30** |
| 251261932R | TIAC BOX BD/BV PLUS 9/7 (Ø315) | 315 | BOX BD/BV PLUS 9/7 | **142,20** |
| 251281932R | TIAC BOX BD/BV PLUS 9/9 (Ø355) | 355 | BOX BD/BV PLUS 9/9 | **142,20** |
| 251331932R | TIAC BOX BD/BV PLUS 10/8 (Ø355) | 355 | BOX BD/BV PLUS 10/8 | **170,10** |
| 251371932R | TIAC BOX BD/BV PLUS 10/10 (Ø400) | 400 | BOX BD/BV PLUS 10/10 | **170,10** |
| 251601932R | TIAC BOX BD/BV PLUS 12/9 (Ø400) | 400 | BOX BD/BV PLUS 12/9 | **235,30** |
| 251521932R | TIAC BOX BD/BV PLUS 12/12 (Ø450) | 450 | BOX BD/BV PLUS 12/12 | **235,30** |

# BAC



## RECTANGULAR-CIRCULAR ANTI-VIBRATION FLANGE

### MANUFACTURING FEATURES

- Accessory for connection of BOX BD, BOX BV and BVFC F400 cabinet fans to a circular duct using anti-vibration canvas.
- Fire resistance M0 of -50ºC to 200ºC in continuous and 400ºC/2h.

## BRIDA ANTIVIBRATORIA RECTANGULAR-CIRCULAR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Accesorio para conexión de cajas tipo BOX BD, BOX BV y BVFC F400 a conducto circular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50ºC a 200ºC en continuo y 400ºC/2h.

| Code<br>Código | Model<br>Modelo | Ø Outlet<br>Ø Salida | Application<br>Aplicable | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| 960002951 | BAC 1 (OUT 7/7) | 250 | IMPULSION BOX BD/BV 7/7 | **80,30** |
| 960002952 | BAC 2 (OUT 9/9) | 300 | IMPULSION BOX BD/BV/BVFC 9/9 | **94,10** |
| 960002953 | BAC 3 (OUT 10/10) | 355 | IMPULSION BOX BD/BV/BVFC 10/10 | **103,80** |
| 960002954 | BAC 4 (OUT 12/12) | 400 | IMPULSION BOX BD/BV/BVFC 12/12 | **117,70** |
| 960002955 | BAC 5 (OUT 15/15) | 500 | IMPULSION BOX BD/BV/BVFC 15/15 | **137,90** |
| 960002956 | BAC 6 (OUT 18/18) | 600 | IMPULSION BOX BV/BVFC 18/18 | **195,60** |
| 960002957 | BAC 7 (IN BVFC 9/9) | 300 | ASPIRACION BVFC 9/9 | **98,90** |
| 960002958 | BAC 8 (IN BVFC 10/10) | 355 | ASPIRACION BVFC 10/10 | **107,40** |
| 960002959 | BAC 9 (IN BVFC 12/12) | 400 | ASPIRACION BVFC 12/12 | **124,70** |
| 960002960 | BAC 10 (IN BVFC 15/15) | 500 | ASPIRACION BVFC15/15 | **162,10** |
| 960002961 | BAC 11 (IN BVFC 18/18) | 600 | ASPIRACION BVFC18/18 | **206,20** |
| 960002962 | BAC 12 (IN BOX BD/BV 7/7) | 250 | ASPIRACION BOX BD/BV 7/7 | **80,30** |
| 960002963 | BAC 13 (IN BOX BD/BV 9/9) | 300 | APIRACION BOX BD/BV 9/9 | **94,10** |
| 960002964 | BAC 14 (IN BOX BD/BV 10/10) | 355 | APIRACION BOX BD/BV 10/10 | **103,80** |
| 960002965 | BAC 15 (IN BOX BD/BV 12/12) | 400 | APIRACION BOX BD/BV 12/12 | **117,70** |
| 960002966 | BAC 16 (IN BOX BD/BV 15/15) | 500 | APIRACION BOX BD/BV 15/15 | **137,90** |
| 960002967 | BAC 17 (IN BOX BV 18/18) | 600 | APIRACION BOX BD/BV 18/18 | **195,60** |

# CLBI



## INLET FOR PLUG FAN IN CABINET

### MANUFACTURING FEATURES

- Inlet cone for CLIBOS-TR, CLIBOS, CIKSTORM made of carbon steel and protected against corrosion by black anti-heat powder coating polyester resin.

## BOCA DE ASPIRACIÓN PARA PLUG FAN EN CABINA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Boca de aspiración desbocada para CLIBOS-TR, CLIBOS, CIKSTORM fabricada en acero al carbono y pintada con pintura anticalórica de color negro.

| Code<br>Código | Model<br>Modelo | Application<br>Aplicable | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| BAD-N45-A5 | CLBI 45 | CLIBOS-TR / CLIBOS / CIKSTORM 451-454 | 8,2 | **116,00** |
| BAD-N50-A5 | CLBI 50 | CLIBOS-TR / CLIBOS / CIKSTORM 501-504 | 9,1 | **127,50** |
| BAD-N56-A5 | CLBI 56 | CLIBOS-TR / CLIBOS / CIKSTORM 561-564 | 10,2 | **144,40** |
| BAD-N63-A5 | CLBI 63 | CLIBOS-TR / CLIBOS / CIKSTORM 631-634 | 13,9 | **209,00** |
| BAD-N71-A5 | CLBI 71 | CLIBOS-TR / CLIBOS / CIKSTORM 711-714 | 13 | **243,30** |
| BAD-N80-A5 | CLBI 80 | CLIBOS-TR / CLIBOS / CIKSTORM 801-804 | 18,3 | **261,90** |

# VIS



**VIS IN - VIS OUT**

**VIS OUT**
Outlet | Impulsión
**VIS IN**
Inlet | Aspiración

## OUTDOOR FLANGE WITH BIRD GUARD

**MANUFACTURING FEATURES**
- Outdoor flange with bird guard.
- Made of galvanized Steel.

## VISERA PARA INTEMPERIE CON MALLA ANTI-PÁJAROS

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Visera para intemperie con malla antipájaros
- Fabricada en acero galvanizado.

| Code / Código | Model / Modelo | Dimensions / Dimensiones | Application / Aplicable | | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| 960000051 | VIS IN 7 - OUT 10 | 360x320 | OUT: BOX BD, BV, BVFC 10/10 | IN: BOX BD, BV 7/7 | **104,70** |
| 960000052 | VIS IN 9 - OUT 12 | 435X370 | OUT: BOX BD, BV, BVFC 12/12 | IN: BOX BD, BV 9/9 | **114,70** |
| 960000053 | VIS IN 10 - OUT 15 | 505X427 | OUT: BOX BD, BV, BVFC 15/15 | IN: BOX BD, BV 10/10 | **127,70** |
| 960000054 | VIS IN 12 - OUT 18 | 590X511 | OUT: BOX BD, BV, BVFC 18/18 | IN: BOX BD, BV 12/12 | **144,70** |
| 960000060 | VIS IN 15 | 660x660 | IN: BOX BV 15/15 | | **232,50** |
| 960000061 | VIS IN 18 | 760x760 | IN: BOX BV 18/18 | | **255,40** |
| 960000059 | VIS OUT 7 | 265x235 | OUT: BOX BD, BOX BV 7/7 | | **85,20** |
| 960000050 | VIS OUT 9 | 330x290 | OUT: BOX BD, BOX BV, BVFC 9/9 | | **90,30** |
| 960000055 | VIS OUT 20 | 660x650 | OUT: BOX BV - BVFC 20/20 | | **212,80** |
| 960000056 | VIS OUT 22 | 720x720 | OUT: BOX BV - BVFC 22/22 | | **255,30** |
| 960000057 | VIS OUT 25 | 820x825 | OUT: BOX BV - BVFC 25/25 | | **323,40** |
| 960000058 | VIS OUT 30 | 945x975 | OUT: BOX BV - BVFC 30/28 | | **385,70** |

## OUTDOOR FLANGE FOR DHUMAT | VISERA PARA DHUMAT

| Code / Código | Model / Modelo | Dimensions / Dimensiones | Weight Kg / Peso Kg | Application / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| 965310001 | VIS DHUMAT 315-355 | 503x503x150 | 2,5 | DHUMAT 315-355 | **166,10** |
| 965400001 | VIS DHUMAT 400-450 | 603x603x150 | 3,5 | DHUMAT 400-450 | **221,90** |
| 965500001 | VIS DHUMAT 500-560 | 803x803x150 | 5,25 | DHUMAT 500-560 | **443,50** |
| 965560001 | VIS DHUMAT 630 | 903x903x150 | 7 | DHUMAT 630 | **554,40** |
| 965710001 | VIS DHUMAT 710-800 | 1103x1103x200 | 9 | DHUMAT 710-800 | **665,50** |



## OUTDOOR FLANGE FOR SB-3 EEC | VISERA PARA SB-3 EEC

| Code / Código | Model / Modelo | Dimensions / Dimensiones | Weight Kg / Peso Kg | Application / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| VISSB3F3015 | VIS SB-3 3015 | 330x180x150 | 1 | SB-3, SB-3 PLUS, SB-3 FILTER, SB-3 PLUS FILTER 3015 EEC | **142,60** |
| VISSB3F4020 | VIS SB-3 4020 | 430x230x150 | 1,20 | SB-3, SB-3 PLUS, SB-3 FILTER, SB-3 PLUS FILTER 4020 EEC | **170,50** |
| VISSB3F5035 | VIS SB-3 5035 | 530x383x150 | 2 | SB-3, SB-3 PLUS, SB-3 FILTER, SB-3 PLUS FILTER 5035 EEC | **237,70** |
| VISSB3F6040 | VIS SB-3 6040 | 630x430x150 | 2,50 | SB-3, SB-3 PLUS, SB-3 FILTER, SB-3 PLUS FILTER 6040 EEC | **241,20** |
| VISSB3F7050 | VIS SB-3 7050 | 730x530x150 | 3 | SB-3, SB-3 PLUS, SB-3 FILTER, SB-3 PLUS FILTER 7050 EEC | **323,20** |
| VISSB3F8060 | VIS SB-3 8060 | 830x631x150 | 4 | SB-3, SB-3 PLUS, SB-3 FILTER, SB-3 PLUS FILTER 8060 EEC | **390,60** |

## OUTDOOR FLANGE FOR BOX HB SERIES (VISB) | VISERA PARA SERIE BOX HB (VISB)

| Code / Código | Model / Modelo | Dimensions / Dimensiones | Weight Kg / Peso Kg | Application / Aplicable | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| VISB0510150 | VISERA BOX HB 45-50 | 510x510x150 | 2,50 | BOX HB/HBA, BOX HBF F300/F400, BOX HBFX F300/F400, BOX HBX 45-50 | **141,50** |
| VISB0640150 | VISERA BOX HB 56-63 | 640x640x150 | 3,50 | BOX HB/HBA, BOX HBF F300/F400, BOX HBFX F300/F400, BOX HBX 56-63 | **154,80** |
| VISB0810150 | VISERA BOX HB 71-80 | 810x810x150 | 5 | BOX HB/HBA, BOX HBF F300/F400, BOX HBFX F300/F400, BOX HBX 71-80 | **278,60** |
| VISB1010150 | VISERA BOX HB 90-100 | 1010x1010x150 | 6,50 | BOX HB/HBA, BOX HBF F300/F400, BOX HBFX F300/F400, BOX HBX 90-100 | **336,10** |
| VISB1260150 | VISERA BOX HB 112-125 | 1260x1260x150 | 9 | BOX HB/HBA, BOX HBF F300/F400, BOX HBFX F300/F400, BOX HBX 112-125 | **380,30** |

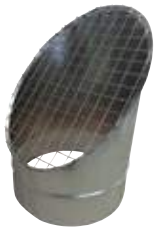
# VISC

## CIRCULAR OUTDOOR FLANGE WITH BIRD GUARD

**MANUFACTURING FEATURES**
- Circular outdoor flange made of galvanized steel.

## VISERA PARA INTEMPERIE CON MALLA ANTIPÁJAROS PARA BOCA CIRCULAR

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Visera circular en acero galvanizado.



### WEATHER PROTECTIVE ROOF FOR SBC-3 EEC & VARIANTS |I
### TEJADILLO INTEMPERIE PARA SBC-3 EEC Y VARIANTES

| Code | Model | Application | W. Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicación | P. Kg | P.V.P € |
| VISC100 | VISC Ø100 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø100 | 0,50 | **60,60** |
| VISC125 | VISC Ø125 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø125 | 0,70 | **62,80** |
| VISC150 | VISC Ø150 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø150 | 0,80 | **75,00** |
| VISC160 | VISC Ø160 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø160 | 0,90 | **70,30** |
| FX0050064 | VISC Ø200 | SBC-3 EEC / SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø200 | 1,10 | **81,70** |
| FX0045450 | VISC Ø250 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø250 | 1,70 | **96,30** |
| FX0050065 | VISC Ø315 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø315 | 2,40 | **104,70** |
| FX0050066 | VISC Ø355 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø355 | 3,00 | **106,10** |
| VISC500 | VISC Ø500 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø500 | 5,00 | **156,80** |
| VISC560 | VISC Ø560 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø560 | 7,00 | **171,80** |
| VISC630 | VISC Ø630 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø630 | 9,00 | **197,70** |
| VISC710 | VISC Ø710 | SBC-3 EEC/ SBC-3 PLUS EEC / SBC-3 FILTER EEC / SBC-3 PLUS FILTER EEC Ø710 | 12,80 | **211,40** |

### WEATHER PROTECTIVE ROOF FOR ENKELBOX EEC & ENKELBOX FILTER EEC & ENKELBOX PLUS EEC |
### TEJADILLO INTEMPERIE PARA ENKELBOX EEC & ENKELBOX FILTER EEC & ENKELBOX PLUS EEC

| Code | Model | Application | W. Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicación | P. Kg | P.V.P € |
| FX0050064 | VISC Ø200 | ENKELBOX EEC / ENKELBOX FILTER EEC / ENKELBOX PLUS EEC 155 | 1,10 | **81,70** |
| VISC225 | VISC Ø225 | ENKELBOX EEC / ENKELBOX FILTER EEC / ENKELBOX PLUS EEC 190 | 1,50 | **89,00** |
| FX0050065 | VISC Ø315 | ENKELBOX EEC / ENKELBOX FILTER EEC / ENKELBOX PLUS EEC 250 | 2,40 | **104,70** |
| FX0050066 | VISC Ø355 | ENKELBOX EEC / ENKELBOX FILTER EEC / ENKELBOX PLUS EEC 315 | 3,00 | **106,10** |
| FX0045452 | VISC Ø400 | ENKELBOX EEC / ENKELBOX FILTER EEC / ENKELBOX PLUS EEC 355 | 4,00 | **128,40** |
| FX0050067 | VISC Ø450 | ENKELBOX EEC / ENKELBOX FILTER EEC / ENKELBOX PLUS EEC 450 | 4,50 | **142,20** |
| VISC560 | VISC Ø560 | ENKELBOX PLUS EEC 500 | 7 | **171,80** |
| VISC630 | VISC Ø630 | ENKELBOX PLUS EEC 560 | 9 | **197,70** |
| VISC710 | VISC Ø710 | ENKELBOX PLUS EEC 630 | 12,8 | **211,40** |

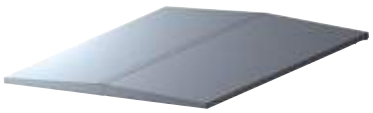
# TEJ

## PROTECTION COWL FOR OUTDOOR

**MANUFACTURING FEATURES**
- Protection cowl made of galvanized Steel.

## TEJADILLO PARA LA INTEMPERIE

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Tejadillo de acero galvanizado.



### WEATHER PROTECTIVE ROOF FOR BVFC & BOX BV & BOX BV PLUS & BOX BD PLUS |
### TEJADILLO INTEMPERIE PARA BVFC & BOX BV & BOX BV PLUS & BOX BD PLUS

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| 960003510 | TEJ BVFC 20/20 | BVFC 20/20 | **236,20** |
| 960003520 | TEJ BVFC 22/22 | BVFC 22/22 | **258,20** |
| 960003530 | TEJ BVFC 25/25 | BVFC 25/25 | **282,00** |
| 960003540 | TEJ BVFC 30/28 | BVFC 30/28 | **305,80** |

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| 960003550 | TEJ BOX BV 20/20 | BOX BV 20/20 | **175,60** |
| 960003560 | TEJ BOX BV 22/22 | BOX BV 22/22 | **199,70** |
| 960003570 | TEJ BOX BV 25/25 | BOX BV 25/25 | **223,50** |
| 960003580 | TEJ BOX BV 30/28 | BOX BV 30/28 | **245,70** |
| A-251161012 | TEJ BOX BD PLUS 7/7 | BOX BD PLUS 7/7 | **34,30** |
| A-251281012 | TEJ BOX BD PLUS 9/9 | BOX BD PLUS 9/9 | **47,90** |
| A-251371012 | TEJ BOX BD PLUS 10/10 | BOX BD PLUS 10/10 | **61,70** |
| A-251521012 | TEJ BOX BD PLUS 12/12 | BOX BD PLUS 12/12 | **81,80** |
| A-252371013 | TEJ BOX BD PLUS 15/15 | BOX BD PLUS 15/15 | **111,30** |
| A-252091012 | TEJ BOX BV PLUS 7/7 | BOX BV PLUS 7/7 | **51,30** |
| A-252181012 | TEJ BOX BV PLUS 9/9 | BOX BV PLUS 9/9 | **71,70** |
| A-252211012 | TEJ BOX BV PLUS 10/10 | BOX BV PLUS 10/10 | **92,50** |
| A-252301012 | TEJ BOX BV PLUS 12/12 | BOX BV PLUS 12/12 | **122,90** |
| A-252371012 | TEJ BOX BV PLUS 15/15 | BOX BV PLUS 15/15 | **166,10** |
| A-252451012 | TEJ BOX BV PLUS 18/18 | BOX BV PLUS 18/18 | **224,20** |



### WEATHER PROTECTIVE ROOF FOR SB-3 EEC & SBC-3 EEC & VARIANTS |
### TEJADILLO INTEMPERIE PARA SB-3 EEC & SBC-3 EEC Y VARIANTES

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| A-TEJSB33015 | TEJ SB-3 3015 | SB-3 3015, SBC 125 // SB-3 PLUS 3015, SBC PLUS 125 // SB-3 FILTER 3015, SBC FILTER 125 // SB-3 FILTER PLUS 3015, SBC FILTER PLUS 125 | **113,40** |
| A-TEJSB34020 | TEJ SB-3 4020 | SB-3 4020, SBC 150 & 160 // SB-3 PLUS 4020, SBC PLUS 150 & 160 // SB-3 FILTER 4020, SBC FILTER 150 & 160 // SB-3 FILTER PLUS 4020, SBC FILTER PLUS 150 & 160 | **125,50** |
| A-TEJSB35035 | TEJ SB-3 5035 | SB-3 5035, SBC 200,250 & 315 // SB-3 PLUS 5035, SBC PLUS 200,250 & 315 // SB-3 FILTER 5035, SBC FILTER 200,250 & 315 // SB-3 FILTER PLUS 5035, SBC FILTER PLUS 200,250 & 315 | **148,80** |
| A-TEJSB36040 | TEJ SB-3 6040 | SB-3 6040, SBC 355 // SB-3 PLUS 6040, SBC PLUS 355 // SB-3 FILTER 6040, SBC FILTER 355 // SB-3 FILTER PLUS 6040, SBC FILTER PLUS 355 | **170,10** |
| A-TEJSB37050 | TEJ SB-3 7050 | SB-3 7050, SBC 400 & 450 // SB-3 PLUS 7050, SBC PLUS 400 & 450 // SB-3 FILTER 7050, SBC FILTER 400 & 450 // SB-3 FILTER PLUS 7050, SBC FILTER PLUS 400 & 450 | **193,70** |
| A-TEJSB38060 | TEJ SB-3 8060 | SB-3 8060, SBC 500 & 560 // SB-3 PLUS 8060, SBC PLUS 500 & 560 // SB-3 FILTER 8060, SBC FILTER 500 & 560 // SB-3 FILTER PLUS 8060, SBC FILTER PLUS 500 & 560 | **220,00** |





**ENKELBOX PLUS EEC, KENTALBOX PLUS & KENTALCOOK + TEJADILLO**

## WEATHER PROTECTIVE ROOF FOR ENKELBOX PLUS EEC, KENTALBOX PLUS & KENTALCOOK | TEJADILLO INTEMPERIE PARA ENKELBOX PLUS EEC, KENTALBOX PLUS & KENTALCOOK

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| A-TEJEKXP155 | TEJ ENKELBOX PLUS 155 | ENKELBOX PLUS 155 EEC | 1,20 | **26,90** |
| A-TEJEKXP190 | TEJ ENKELBOX PLUS 190 | ENKELBOX PLUS 190 EEC | 1,30 | **28,00** |
| A-TEJEKXP250 | TEJ ENKELBOX PLUS 250 | ENKELBOX PLUS 250 EEC | 1,80 | **34,50** |
| A-TEJEKXP310 | TEJ ENKELBOX PLUS 310 | ENKELBOX PLUS 310 EEC | 2,60 | **44,10** |
| A-TEJEKXP355 | TEJ ENKELBOX PLUS 355 | ENKELBOX PLUS 355 EEC | 3,10 | **50,20** |
| A-TEJEKXP450 | TEJ ENKELBOX PLUS 450 | ENKELBOX PLUS 450 EEC | 4,50 | **67,10** |
| A-TEJEKXP500 | TEJ ENKELBOX PLUS 500 | ENKELBOX PLUS 500 EEC | 5,50 | **82,50** |
| A-TEJEKXP560 | TEJ ENKELBOX PLUS 560 | ENKELBOX PLUS 560 EEC | 7 | **97,80** |
| A-TEJEKXP630 | TEJ ENKELBOX PLUS 630 | ENKELBOX PLUS 630 EEC | 8,50 | **119,60** |
| A-TEJKBP315 | TEJ KENTALBOX PLUS 315 | KENTALBOX PLUS & KENTALCOOK 315 | 3,60 | **60,00** |
| A-TEJKBP355 | TEJ KENTALBOX PLUS 355 | KENTALBOX PLUS & KENTALCOOK 355 | 4,30 | **70,00** |
| A-TEJKBP400 | TEJ KENTALBOX PLUS 400 | KENTALBOX PLUS & KENTALCOOK 400 | 5,30 | **90,00** |
| A-TEJKBP450 | TEJ KENTALBOX PLUS 450 | KENTALBOX PLUS & KENTALCOOK 450 | 7,40 | **120,00** |
| A-TEJKBP500 | TEJ KENTALBOX PLUS 500 | KENTALBOX PLUS & KENTALCOOK 500 | 8 | **145,00** |
| A-TEJKBP560 | TEJ KENTALBOX PLUS 560 | KENTALBOX PLUS & KENTALCOOK 560 | 9,80 | **175,00** |
| A-TEJKBP630 | TEJ KENTALBOX PLUS 630 | KENTALBOX PLUS & KENTALCOOK 630 | 11,50 | **200,00** |



**ENKELBOX PLUS EEC + BOX FILTER + TEJADILLO**

## WEATHER PROTECTIVE ROOF FOR ENKELBOX PLUS EEC WITH BOX FILTER TEJADILLO INTEMPERIE PARA ENKELBOX PLUS EEC CON BOX FILTER

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| A-TEJEKX155 | TEJ ENKELBOX PLUS FILTER 155 | ENKELBOX PLUS 155 EEC+BOX FILTER | 1,75 | **33,80** |
| A-TEJEKX190 | TEJ ENKELBOX PLUS FILTER 190 | ENKELBOX PLUS 190 EEC+BOX FILTER | 2 | **35,10** |
| A-TEJEKX250 | TEJ ENKELBOX PLUS FILTER 250 | ENKELBOX PLUS 250 EEC+BOX FILTER | 2,50 | **43,30** |
| A-TEJEKX310 | TEJ ENKELBOX PLUS FILTER 310 | ENKELBOX PLUS 310 EEC+BOX FILTER | 3,75 | **57,20** |
| A-TEJEKX355 | TEJ ENKELBOX PLUS FILTER 355 | ENKELBOX PLUS 355 EEC+BOX FILTER | 4,50 | **64,40** |
| A-TEJEKX450 | TEJ ENKELBOX PLUS FILTER 450 | ENKELBOX PLUS 450 EEC+BOX FILTER | 6 | **81,10** |

# AVR



## ANTI-VIBRATION RUBBER BLOCK

### MANUFACTURING FEATURES

- Support of great radial and axial elasticity.
- These low-profile, compact and elastic supports control the three directions of movement with large deformations in the rubber.
- It consists of two parallel armour adhered to the bell-shaped rubber and by a base with handles.
- These supports with handles have a threaded hole in their upper frame and are easy to install and fix.
- The steel protection washer allows it to withstand overloads by increasing its rigidity and protects the rubber from dripping hydrocarbons.
- Elastomer type NR or high quality elastomer. Working temperatures between -40ºC and + 70º C.
- Taking into account the tolerances of hardness in the elastomers, the mechanical characteristics of these series may differ.
- Range of 6 sizes and 3 different hardnesses (45-60-75) to fit a load range between 2 Kg and 1300 Kg.
  1. Soft: hardness A 45
  2. Average: hardness B 60
  3. Hard: hardness C 75

### APPLICATIONS

- Very appropriate in the elastic suspensions of machines that present vibrations of horizontal components.

## AMORTIGUADOR ANTIVIBRÁTIL DE CAUCHO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte de gran elasticidad radial y axial.
- Estos soportes elásticos equifrecuenciales, compactos y de bajo perfil controlan las tres direcciones del movimiento con deformaciones grandes en el caucho.
- Están constituidos por dos armaduras paralelas adheridas al caucho en forma de campana y por una base con orejas.
- Estos soportes con orejas tienen en su armadura superior un agujero roscado y son de fácil colocación y fijación.
- La arandela de protección en acero le permite soportar sobrecargas incrementando su rigidez y protege al caucho del posible goteo de hidrocarburos.
- Elastómero tipo NR o elastómero de alta calidad. Temperaturas de trabajo entre –40ºC y + 70º C.
- Teniendo en cuenta las tolerancias de dureza en los elastómeros, las características mecánicas de estas series pueden presentar diferencias.
- Gama de 6 tamaños y 3 durezas diferentes (45-60-75) para acomodarse a un rango de carga comprendido entre los 2 Kg y 1300 Kg.
  1. Blanda: dureza A 45
  2. Media: dureza B 60
  3. Dura: dureza C 75

### APLICACIONES

- Muy apropiado en las suspensiones elásticas de máquinas que presenten vibraciones de componentes horizontales.

| Code | Model | Anchorage | Hardness | Min. load Kg | Max. load Kg | R.R.P € |
|---|---|---|---|---|---|---|
| Código | Modelo | Anclaje | Dureza | Carga mín. Kg | Carga máx. Kg | P.V.P € |
| AVR04045 | AVR 40/45 | M6 | 45,00 | 1,50 | 5 | **8,20** |
| AVR04060 | AVR 40/60 | M6 | 60,00 | 3,00 | 10 | **8,20** |
| AVR06045 | AVR 60/45 | M6 | 45,00 | 4,50 | 15 | **14,20** |
| AVR06060 | AVR 60/60 | M6 | 60,00 | 7,50 | 25 | **14,20** |
| AVR06075 | AVR 60/75 | M6 | 75,00 | 15,00 | 50 | **14,20** |
| AVR08045 | AVR 80/45 | M8 | 45,00 | 12,00 | 40 | **15,60** |
| AVR08060 | AVR 80/60 | M8 | 60,00 | 24,00 | 80 | **15,60** |
| AVR08075 | AVR 80/75 | M8 | 75,00 | 36,00 | 120 | **15,60** |
| AVR10045 | AVR 100/45 | M10 | 45,00 | 22,50 | 75 | **20,20** |
| AVR10060 | AVR 100/60 | M10 | 60,00 | 48,00 | 160 | **20,20** |
| AVR10075 | AVR 100/75 | M10 | 75,00 | 66,00 | 220 | **20,20** |
| AVR15045 | AVR 150/45 | M14 | 45,00 | 39,00 | 130 | **42,50** |
| AVR15060 | AVR 150/60 | M14 | 60,00 | 90,00 | 300 | **42,50** |
| AVR15075 | AVR 150/75 | M14 | 75,00 | 120,00 | 400 | **42,50** |
| AVR20045 | AVR 200/45 | M18 | 45,00 | 150,00 | 500 | **81,00** |
| AVR20060 | AVR 200/60 | M18 | 60,00 | 255,00 | 850 | **81,00** |
| AVR20075 | AVR 200/75 | M18 | 75,00 | 390,00 | 1300 | **81,00** |

# AVS



## ANTI-VIBRATION SPRING BLOCK

### MANUFACTURING FEATURES

• Metal insulators designed to work with compression with 85% insulation according to the following arrows (travel in mm) and RPM:

| Arrow (mm.) | R.P.M. |
|---|---|
| 20 mm> | 600 r.p.m. |
| 30 mm> | 500 r.p.m. |

• Made of high quality elastic steel, with rectangular base and rubber mat to improve the grip. It treats of a resistant product and easy assembly, that avoids all type of vibrations of the fans to the structure of the premises.
• Operating temperature from -45 °C to + 120 °C.

### APPLICATIONS

• To install under machines with rotating components, ventilation groups, fans, ventilation boxes, etc.

## AMORTIGUADOR ANTIVIBRÁTIL DE MUELLES

### CARACTERÍSTICAS CONSTRUCTIVAS

• Series de aisladores metálicos diseñados para trabajar a compresión con un aislamiento del 85% según las flechas (recorrido en mm) y RPM siguientes:

| Flecha (mm.) | R.P.M. |
|---|---|
| 20 mm< | 600 r.p.m. |
| 30 mm< | 500 r.p.m. |

• Fabricado en acero elástico de alta calidad, con base rectangular y alfombrilla de goma para mejorar la sujeción.
• Resistente y de fácil montaje, que evita todo tipo de vibraciones de los ventiladores a la estructura del local.
• Temperatura de funcionamiento de - 45 °C a + 120 °C.

### APLICACIONES

• Para instalar debajo de máquinas con componentes rotativos, grupos de ventilación, ventiladores, cajas de ventilación, etc.

| Code<br>Código | Model<br>Modelo | Min. load Kg<br>Carga mín. Kg | Max. load Kg<br>Carga máx. Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| AVS5525 | AVS 54-25 Ancl M8 Ø mm 54 | 10,00 | 25 | **16,20** |
| AVS5550 | AVS 54-50 Ancl M8 Ø mm 54 | 20,00 | 50 | **16,60** |
| AVS5575 | AVS 54-75 Ancl M8 Ø mm 54 | 30,00 | 75 | **18,50** |
| AVS55110 | AVS 54-110 Ancl M8 Ø mm 54 | 45,00 | 110 | **23,70** |
| AVS55125 | AVS 54-125 Ancl M8 Ø mm 54 | 50,00 | 125 | **17,70** |
| AVS73150 | AVS 75-150 Ancl M12 Ø mm 75 | 60,00 | 150 | **28,60** |
| AVS73200 | AVS 75-200 Ancl M12 Ø mm 75 | 80,00 | 200 | **32,20** |
| AVS73250 | AVS 75-250 Ancl M12 Ø mm 75 | 120,00 | 250 | **32,20** |
| AVS73350 | AVS 75-350 Ancl M12 Ø mm 75 | 150,00 | 350 | **34,50** |
| AVS73550 | AVS 93-500 Ancl M14 Ø mm 93 | 220,00 | 550 | **57,30** |

# AVT



## CEILING ANTI-VIBRATION

### MANUFACTURING FEATURES

• Range designed for suspension of acoustic ceilings and machinery that requires a very high isolation level. These hangers are made of a high mechanical performance spring and incorporate a rubber bush conceived to avoid the acoustic bridges and the contact of a non aligned screw.
The metallic structure is very robust and it is supplied with an anti-corrosive zinc-plated coat.

### APPLICATIONS

• Support of Equipment for the support of gas or fluid pipes, air ducts and ventilation or air conditioning machinery.

## AMORTIGUADOR DE TECHO

### CARACTERÍSTICAS CONSTRUCTIVAS

• Gama diseñada para la suspensión de falsos techos acústicos y maquinaria trabajando a partir de 450 r.p.m. Frecuencia propia de 2 a 5 Hz.
Fabricado con muelle de gran calidad mecánica, guiado por una arandela de caucho con la función de que no existan puentes acústicos, en caso de desalineación de varillas. La estructura metálica es resistente y está recubierta de baño electrolítico bicromatado.

### APLICACIONES

• Sustentación de equipos para la sustentación de tuberías de gas o fluidos, conductos de aire y maquinaria ventilación o de aire acondicionado.

| Code<br>Código | Model<br>Modelo | Min. Load (Kg)<br>Carga Min. (Kg) | Max Load (Kg)<br>Carga Máx (Kg) | Weight (Kg)<br>Peso (Kg) | Deflection (mm)<br>Compresión (mm) | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|
| AVT7525 | AVT 75 25 | 10 | 25 | 0,71 | 24 (+/- 3) | **14,50** |
| AVT7550 | AVT 75 50 | 20 | 50 | 0,7 | 24 (+/- 3) | **15,50** |
| AVT7575 | AVT 75 75 | 30 | 75 | 0,72 | 24 (+/- 3) | **17,10** |
| AVT75100 | AVT 75 100 | 40 | 100 | 0,778 | 24 (+/- 3) | **18,90** |
| AVT120150 | AVT 120 150 | 60 | 150 | 2,035 | 35 (+/- 4) | **61,60** |

# AT



## ALUMINUM ADHESIVE TAPE FOR DUCT AND FIBER SEALING

### MANUFACTURING FEATURES

- Adhesive tape made of annealed aluminum material, covered by an acrylic-based adhesive, protected by a paper.
- With high peel and tack properties as well as good shear strength.
- Acrylic adhesive system resistant to high temperatures and high adhesive strength to ensure a tight bond.
- Resistant to temperatures from -20ºC to 110ºC. Class to fire M1.
- In storage store between 10º and 25ºC, protected from dirt, heat, humidity, direct sunlight, corrosion and solvent vapours.
- For closing joints in fiber ducts (AT 75 recommended). For sealing rigid air ducts (AT 63 recommended).

### APPLICATIONS

- Ideal for applications that require detection by photoelectric equipment.
- Also multi-purpose application for coating and insulation in the air conditioning, ventilation and air conditioning sector.

## CINTA ADHESIVA DE ALUMINIO PARA SELLADO DE CONDUCTO Y FIBRA

### CARACTERÍSTICAS CONSTRUCTIVAS

- Cinta adhesiva fabricada en material de aluminio recocido, recubierto por adhesivo de base acrílica, protegido por un papel.
- Con altas propiedades de pelado y de tack así como una buena resistencia al cizallamiento.
- Sistema adhesivo acrílico resistente a altas temperaturas y con gran fuerza adhesiva para garantizar un pegado hermético.
- Resistente a temperaturas de -20ºC hasta 110ºC. Clase al fuego M1.
- En almacén, conservar entre 10º y 25ºC, protegidos de la suciedad, calor, humedad, luz solar directa, corrosión y vapores disolventes.
- Para cierre de juntas en conductos de fibra (se recomienda AT 75). Para sellado de conductos rígidos de aire (se recomienda AT 63).

### APLICACIONES

- Ideal para aplicaciones que requieran detección mediante equipamiento fotoeléctrico.
- También aplicación multiuso para el recubrimiento y aislamiento en el sector del aire acondicionado, ventilación y climatización.

| Code | Model | Dimensions | Thickness | Resistance ºC | R.R.P € |
|---|---|---|---|---|---|
| Código | Modelo | Dimensiones | Espesor | Resistencia ºC | P.V.P € |
| 651520300 | AT 63 | 65 x 50 | 30 | 110 | **13,60** |
| 651520400 | AT 75 | 75 x 50 | 30 | 110 | **15,50** |

# CPS



## OUTLET BEND FOR STORM FANS

### MANUFACTURING FEATURES

- Manufactured in galvanized steel sheet for circular-rectangular adaptation.

### APPLICATIONS

- Often needed in Paint booths.

### UNDER REQUEST

- Painted.
- Inox 304 and Inox 316.

## CODO PARA LA IMPULSIÓN DE VENTILADORES STORM

### CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricado en chapa de acero galvanizado para adaptación circular-rectangular.

### APLICACIONES

- Adecuado para cadenas de pintura

### BAJO DEMANDA

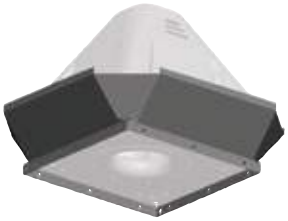
- Pintado.
- Inox 304 e Inox 316.

| Code | Model | R.R.P € |
|---|---|---|
| Código | Modelo | P.V.P € |
| CPS-3119831 | CPS 315x198-315 | **240,10** |
| CPS-3122131 | CPS 315x221-315 | **250,30** |
| CPS-3522435 | CPS 355x224-350 | **270,20** |
| CPS-3525035 | CPS 355x250-350 | **280,40** |
| CPS-4025240 | CPS 400x252-400 | **295,30** |
| CPS-4028140 | CPS 400x281-400 | **310,60** |
| CPS-4528445 | CPS 450x284-450 | **320,30** |
| CPS-4531645 | CPS 450x316-450 | **340,50** |
| CPS-5031650 | CPS 500x316-500 | **350,40** |
| CPS-5035250 | CPS 500x352-500 | **370,20** |
| CPS-5635456 | CPS 560x354-560 | **400,30** |
| CPS-5639456 | CPS 560x394-560 | **435,20** |
| CPS-6339863 | CPS 630x398-630 | **465,40** |
| CPS-6344363 | CPS 630x443-630 | **490,30** |
| CPS-7144971 | CPS 710x449-710 | **520,50** |
| CPS-7150071 | CPS 710x500-710 | **550,50** |
| CPS-8050580 | CPS 800x505-800 | **575,70** |
| CPS-8056280 | CPS 800x562-800 | **625,60** |
| CPS-9056790 | CPS 900x567-900 | **675,80** |
| CPS-9063390 | CPS 900x633-900 | **690,70** |
| CPS-100633100 | CPS 1000x633-1000 | **720,70** |
| CPS-100704100 | CPS 1000x704-1000 | **760,80** |

# KV

VERTICAL KIT FOR ROOF FANS

KIT VERTICAL PARA VENTILADORES DE TEJADO



KIT for CTH3-A
KIT para CTH3-A

## VERTICAL KIT FOR CTH3-A | KIT VERTICAL PARA CTH3-A

**MANUFACTURING FEATURES**
- Accessory to convert the roof fan to vertical discharge.
- Made of aluminium.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Accesorio para convertir el ventilador de tejado en descarga vertical.
- Fabricado en aluminio.

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 960004720 | KV CTH-3 280-315 | CTH3-A ATEX 315 | 8 | **191,50** |
| 960004730 | KV CTH-3 355-400-450 | CTH3-A ATEX 355-400-450 | 13 | **207,60** |
| 960004750 | KV CTH-3 500-560-630 | CTH3-A ATEX 500-560-630 | - | **360,60** |
| 960004760 | KV CTH-3 710-800 | CTH3-A F400 & ATEX 710-800 | - | **439,50** |



KIT for/para
ENKELROOF EEC & KENTALROOF

## VERTICAL KIT FOR ENKELROOF EEC | KIT VERTICAL PARA ENKELROOF EEC

**MANUFACTURING FEATURES**
- Accessory to convert the ENKELROOF EEC roof fan to vertical discharge.
- Manufactured in aluminuim

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Accesorio para convertir el ventilador de tejado ENKELROOF EEC en descarga vertical.
- Fabricado en aluminio.

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| KVENKR190 | KV ENKELROOF 150-190 | ENKELROOF/ENKELROOF-A 155-190 | 0,80 | **100,00** |
| KVENKR220 | KV ENKELROOF 220 | ENKELROOF/ENKELROOF-A 220 | 1,30 | **125,00** |
| KVENKR250 | KV ENKELROOF 250 | ENKELROOF/ENKELROOF-A 250 | 1,70 | **150,00** |
| KVENKR315 | KV ENKELROOF 310 | ENKELROOF/ENKELROOF-A 310 | 2,60 | **190,00** |
| KVENKR355 | KV ENKELROOF 355 | ENKELROOF/ENKELROOF-A 355 | 3,80 | **210,00** |
| KVENKR450 | KV ENKELROOF 450 | ENKELROOF/ENKELROOF-A 450 | 5 | **230,00** |

## VERTICAL KIT FOR KENTALROOF | KIT VERTICAL PARA KENTALROOF

**MANUFACTURING FEATURES**
- Accessory to convert the KENTALROOF roof fan to vertical discharge.
- Manufactured in aluminuim

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Accesorio para convertir el ventilador de tejado KENTALROOF en descarga vertical.
- Fabricado en aluminio.

| Code | Model | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| KVKNTR315 | KV KENTALROOF 315 | KENTALROOF/KENTALROOF-A 315 | 2,60 | **190,00** |
| KVKNTR355 | KV KENTALROOF 355 | KENTALROOF/KENTALROOF-A 355 | 3,50 | **210,00** |
| KVKNTR400 | KV KENTALROOF 400 | KENTALROOF/KENTALROOF-A 400 | 4 | **220,00** |
| KVKNTR450 | KV KENTALROOF 450 | KENTALROOF/KENTALROOF-A 450 | 8 | **230,00** |
| KVKNTR500 | KV KENTALROOF 500 | KENTALROOF/KENTALROOF-A 500 | 9,20 | **270,00** |
| KVKNTR560 | KV KENTALROOF 560 | KENTALROOF/KENTALROOF-A 560 | 11 | **290,00** |
| KVKNTR630 | KV KENTALROOF 630 | KENTALROOF/KENTALROOF-A 630 | 13,50 | **310,00** |

# CLBC

SCROLL FOR PLUG FAN IN CABINET

ENVOLVENTE PARA PLUG FAN EN CABINA



**MANUFACTURING FEATURES**
- Scroll for CLIBOS-TR, CLIBOS, CIKSTORM made of carbon steel and painted with anti-heat black paint.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Envolvente para CLIBOS-TR, CLIBOS, CIKSTORM fabricado en acero al carbono y pintado con pintura anticalórica de color negro.

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicable | P.V.P € |
| CLBC45-A5 | CLBC 452 | CLIBOS-TR / CLIBOS / CIKSTORM 451 | **498,20** |
| CLBC50-A5 | CLBC 502 | CLIBOS-TR / CLIBOS / CIKSTORM 501 | **513,20** |
| CLBC56-A5 | CLBC 562 | CLIBOS-TR / CLIBOS / CIKSTORM 561 | **523,00** |
| CLBC63-A5 | CLBC 632 | CLIBOS-TR / CLIBOS / CIKSTORM 631 | **538,90** |
| CLBC71-A5 | CLBC 712 | CLIBOS-TR / CLIBOS / CIKSTORM 711 | **548,30** |
| CLBC80-A5 | CLBC 802 | CLIBOS-TR / CLIBOS / CIKSTORM 801 | **564,60** |
| CLBC454-A5 | CLBC 454 | CLIBOS / CIKSTORM 454 | **573,10** |
| CLBC504-A5 | CLBC 504 | CLIBOS / CIKSTORM 504 | **590,30** |
| CLBC564-A5 | CLBC 564 | CLIBOS / CIKSTORM 564 | **622,90** |
| CLBC634-A5 | CLBC 634 | CLIBOS / CIKSTORM 634 | **641,60** |
| CLBC714-A5 | CLBC 714 | CLIBOS / CIKSTORM 714 | **647,70** |
| CLBC804-A5 | CLBC 804 | CLIBOS / CIKSTORM 804 | **667,00** |

# AB



## ACOUSTIC CABINS FOR CASALS CENTRIFUGAL FANS

### MANUFACTURING FEATURES

- Customized structure made of extruded aluminum profiles available in different dimensions according to the panel to be installed and the fan volume. The profiles joining is made of polyamide corners, which gives them great strength and the possibility of disassembling the structure into pieces.
- Panels can be made of a single sheet with inner insulation of 10 mm thick polyethylene foam, or 2 sheets (sandwich panel) with thicknesses of 25 mm or 50 mm, depending on the required attenuation degree.
- The sheets of each panel can be galvanized steel, galvanized steel with coloured plastic coating or stainless steel.
The lower part is finished off with a structure/ plinth for transport and handling, made of galvanized sheet or upn-80/100 joist, depending on the cabin dimensions and weight.
- The air inlets and outlets of the cabin have anti-vibration tarpaulins coupled to mounted fans. These fans rest on a floating base with acoustic dampers.

### APPLICATIONS

- To attenuate the sound emitted from a centrifugal fans in operation, especially near spaces where performed activities need a silent environment.

* RRP under request.

## CABINAS ACÚSTICAS PARA VENTILADORES CENTRÍFUGOS CASALS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Estructura a medida formada por perfiles de aluminio extrusionado de diferentes dimensiones según el panel a instalar y el volumen del ventilador. La unión de dichos perfiles se realiza mediante esquinas de poliamida, lo que les confiere gran resistencia y la posibilidad de desmontar la estructura en piezas.
- Los paneles pueden ser de una sola chapa con aislamiento interior de espuma de polietileno de 10 mm de espesor, o de 2 chapas (panel sandwich) con espesores de 25 mm ó 50 mm, según el grado de atenuación exigido.
Las chapas que conforman los paneles pueden ser de acero galvanizado, acero galvanizado con recubrimiento de plástico de color o de acero inoxidable.
- La parte inferior se remata con una estructura/ zócalo para su transporte y manipulación, realizada en chapa galvanizada o vigueta upn- 80/100, en función de las dimensiones y pesos de la cabina.
- Las entradas y salidas de aire de la cabina llevan lonas antivibratorias acopladas a los ventiladores montados. Dichos ventiladores descansan sobre una base flotante, mediante amortiguadores acústicos.

### APLICACIONES

- Atenuar el sonido que se desprende de los ventiladores centrífugos en funcionamiento, especialmente cerca de espacios donde se desempeñan actividades donde el ruido resulta más molesto de lo habitual.

* PVP a consultar.

# SILC-MINI & SILC-MINI C



**SILC-MINI**

## CIRCULAR SOUND ATTENUATOR IN GALVANIZED STEEL

### MANUFACTURING FEATURES

- Casing in galvanized steel, tichness 0,8 mm.
- Mounting flange with quick attack.
- Acoustic material in mineral wool 50 Kg/m³ with protection against erosion by glass fibre fire resistence M0 and extended metal sheet.

## SILENCIADOR CIRCULAR CON BRIDA EN ACERO GALVANIZADO

### CARACTERÍSTICAS CONSTRUCTIVAS

- Estructura en chapa de acero galvanizado, espesor 0,8 mm.
- Brida de montaje con conexión rápida.
- Material absorbente del sonido en densidad de lana de roca 50 kg/m³, revestido contra la descamación del velo negro, clase resistencia al fuego M0.

| Code | Model | Ø | length (mm) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|
| Código | Modelo | Ø | Longitud (mm) | Peso Kg | P.V.P € |
| SILCM100 | SILC-MINI 100 | 100 | 600 | 3,5 | **167,60** |
| SILCM125 | SILC-MINI 125 | 125 | 600 | 4 | **174,30** |
| SILCM160 | SILC-MINI 160 | 160 | 600 | 5 | **206,40** |
| SILCM200 | SILC-MINI 200 | 200 | 600 | 6 | **228,10** |
| SILCM250 | SILC-MINI 250 | 250 | 600 | 7 | **253,30** |
| SILCM315 | SILC-MINI 315 | 315 | 600 | 8,5 | **281,90** |
| SILCM355 | SILC-MINI 355 | 355 | 900 | 13,5 | **394,90** |
| SILCM400 | SILC-MINI 400 | 400 | 900 | 16 | **409,80** |
| SILCM450 | SILC-MINI 450 | 450 | 900 | 18 | **495,00** |
| SILCM500 | SILC-MINI 500 | 500 | 900 | 21 | **549,80** |



**SILC-MINI C**

### MANUFACTURING FEATURES

- The sound attenuators are used to absorb the noise in air conditioning or ventilation ducts.
- Casing in galvanized steel, thickness 0,8 mm.
- Acoustic material in mineral wool 50 Kg/m³ with protection against erosion by glass fiber fire resistance M0 and extended metal sheet.
- Silencers designed for roof fan duct system mounting.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Los silenciadores se usan para reducir el ruido en los sistemas de aire acondicionado o ventilación.
- Estructura en chapa de acero galvanizado, espesor 0,8 mm.
- Material absorbente del sonido en densidad de lana de roca 50 kg/m³ Revestido contra la descamación del velo negro, clase resistencia al fuego M0.
- Silenciador diseñado para sistemas de conductos de los ventiladores de tejado.

| Code | Model | Ø | length (mm) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|
| Código | Modelo | Ø | Longitud (mm) | Peso Kg | P.V.P € |
| SILCM160C | SILC-MINI 160 C | 160 | 600 | 10 | **195,70** |
| SILCM200C | SILC-MINI 200 C | 200 | 600 | 12 | **216,30** |
| SILCM250C | SILC-MINI 250 C | 250 | 600 | 14 | **236,90** |
| SILCM315C | SILC-MINI 315 C | 315 | 600 | 17 | **267,80** |
| SILCM355C | SILC-MINI 355 C | 355 | 600 | 19 | **370,80** |
| SILCM400C | SILC-MINI 400 C | 400 | 600 | 21 | **391,40** |

# C-ISOL



## CLAMP FOR RIGID CIRCULAR DUCTS

### MANUFACTURING FEATURES

• Duct Suspension M8 Isophonic clamp for rigid circular ducts in galvanized steel with elastomer seal liner. Rapid hanging system for diameters 400 mm and smaller. Prevents transmission of vibrations. Easy set up.
Under request in stainless steel.

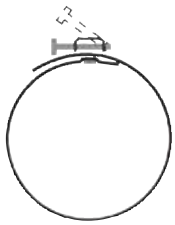
## ABRAZADERA PARA CONDUCTO CIRCULAR RÍGIDO

### CARACTERÍSTICAS CONSTRUCTIVAS

• Abrazadera M8 Isofónica para conducto circular rígido en acero galvanizado con sellado de elastómero. Sistema de suspension rápido para diametros de 400mm y menores. Evita la transmisión de vibraciones. Fácil montaje.
Bajo demanda en acero inoxidable.

| Code | Model | Ø (mm) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Ø (mm) | P.V.P € |
| CISOL80 | C-ISOL D.80 | 80 | **5,00** |
| CISOL100 | C-ISOL D.100 | 100 | **5,10** |
| CISOL125 | C-ISOL D.125 | 125 | **5,60** |
| CISOL160 | C-ISOL D.160 | 160 | **7,20** |
| CISOL200 | C-ISOL D.200 | 200 | **9,20** |
| CISOL250 | C-ISOL D.250 | 250 | **10,50** |
| CISOL315 | C-ISOL D.315 | 315 | **13,40** |
| CISOL355 | C-ISOL D.355 | 355 | **13,60** |
| CISOL400 | C-ISOL D.400 | 400 | **15,80** |
| CISOL450 | C-ISOL D.450 | 450 | **23,20** |
| CISOL500 | C-ISOL D.500 | 500 | **25,70** |
| CISOL560 | C-ISOL D.560 | 560 | **28,60** |
| CISOL630 | C-ISOL D.630 | 630 | **32,40** |
| CISOL710 | C-ISOL D.710 | 710 | **36,50** |

# C-FLEX



## CLAMP FOR FLEXIBLE CIRCULAR DUCT

### MANUFACTURING FEATURES

• Strap clamp for flexible circular duct. Made of stainless steel. AISI 430. Prevents the transmission of vibrations and is easy to install for diameters up to 320mm.

## ABRAZADERA PARA CONDUCTO CIRCULAR FLEXIBLE

### CARACTERÍSTICAS CONSTRUCTIVAS

• Abrazadera fleje para conducto circular flexible. Fabricada en inox. AISI 430. Evita la transmisión de vibraciones y de fácil instalación para diametros hasta 320mm.

| Code | Model | Ø (mm) | R.R.P € |
|---|---|---|---|
| Código | Modelo | Ø (mm) | P.V.P € |
| CFLEX7090 | C-FLEX D.70-90 | 70-90 | **8,00** |
| CFLEX90115 | C-FLEX D.90-115 | 90-115 | **8,30** |
| CFLEX110130 | C-FLEX D.110-130 | 110-130 | **8,90** |
| CFLEX140160 | C-FLEX D.140-160 | 140-160 | **9,90** |
| CFLEX180220 | C-FLEX D.180-220 | 180-220 | **12,40** |
| CFLEX220260 | C-FLEX D.220-260 | 220-260 | **13,30** |
| CFLEX280320 | C-FLEX D.280-320 | 280-320 | **14,80** |

# FAT TRAP



## STAINLESS STEEL GREASE BOX FOR RESTAURANT EXHAUST FAN

### MANUFACTURING FEATURES

• Grease box for kitchen centrifugal exhaust fan.
• Prevents grease buildup on rooftop.
• Made of stainless steel with sprayed surface.
• Meets the NFPA requirement.

### IMPORTANT

• The fan must be elevated above the ground or roof to be able to install the FAT TRAP box.Inox bucket for grease with tube included.

## CAJA DE ACERO INOXIDABLE PARA DRENAJE DE GRASA EN EXTRACTOR DE RESTAURANTE

### CARACTERÍSTICAS CONSTRUCTIVAS

• Caja de grasa para extractor centrífugo de cocina.
• Previene la acumulación de grasa en el tejado.
• Fabricado en acero inoxidable con superficie pulverizada.
• Cumple con los requisitos de NFPA.

### IMPORTANTE

• El ventilador debe estar elevado respecto el suelo o tejado para poder instalar la caja FAT TRAP. Cubeta de recogida de grasa con tubo incluido.

| Code | Model | Application | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | Aplicable | Peso kg | P.V.P € |
| 509129000 | FAT TRAP | KENTALCOOK | 2 | **34,00** |

# MANG M-M



## SIMPLE M-M COUPLINGS

### MANUFACTURING FEATURES

• Male couplings in galvanized steel which allow connecting round spriral ducts or round plain ducts with inner joints. The piece is installed by pressing both ends into the ducts to be joined, up to the stop in the middle of the male coupling. Next, the male coupling needs to be fastened to both ducts with self-drilling screws or rivets.

### UNDER REQUEST

• Couplings with gaskets which won't requiere an additional sealing.
• In stainless Steel.

## MANGUITO SIMPLE M-M

### CARACTERÍSTICAS CONSTRUCTIVAS

• Manguitos de acoplamiento macho en acero galvanizado que permiten conectar conductos espirales o conductos planos circulares con juntas internas. La pieza se instala presionando ambos extremos en los conductos a unir, hasta el tope en el medio del acoplamiento macho. A continuación, el acoplamiento macho debe sujetarse a ambos conductos con tornillos autoperforantes o remaches.

### BAJO DEMANDA

• Manguitos con juntas de goma que no requieren sellado adicional.
• En acero inoxidable.

| Code | Model | Ø | R.R.P € |
|---|---|---|---|
| Código | Modelo | Ø | P.V.P € |
| MANGM80 | MANG M-M 80 | 80 | **4,60** |
| MANGM100 | MANG M-M 100 | 100 | **4,60** |
| MANGM125 | MANG M-M 125 | 125 | **4,80** |
| MANGM150 | MANG M-M 150 | 150 | **6,00** |
| MANGM160 | MANG M-M 160 | 160 | **6,20** |
| MANGM200 | MANG M-M 200 | 200 | **7,20** |
| MANGM250 | MANG M-M 250 | 250 | **8,60** |
| MANGM315 | MANG M-M 315 | 315 | **11,60** |
| MANGM355 | MANG M-M 355 | 355 | **12,30** |
| MANGM400 | MANG M-M 400 | 400 | **14,10** |
| MANGM450 | MANG M-M 450 | 450 | **15,70** |
| MANGM500 | MANG M-M 500 | 500 | **16,10** |
| MANGM560 | MANG M-M 560 | 560 | **18,90** |
| MANGM630 | MANG M-M 630 | 630 | **26,00** |
| MANGM710 | MANG M-M 710 | 710 | **28,70** |

# MANG F-F



## SIMPLE F-F COUPLINGS

### MANUFACTURING FEATURES

• Female couplings in galvanized steel which can be used for connecting round fittings. The Installation method is identical for both gasketfitted or bare ends. The female end is pressed over the end of a bend, T-piece, damper or reducer and fastened with selfdrilling screws or rivets. It is best to seal the joint with a sealing tape AF.

### UNDER REQUEST

• Couplings with gaskets which won't requiere an additional sealing.
• In stainless Steel.

## MANGUITO SIMPLE F-F

### CARACTERÍSTICAS CONSTRUCTIVAS

• Manguitos de acoplamientos hembra en acero galvanizado que se pueden utilizar para conectar conductos circulares. El método de instalación es idéntico para ambos extremos. El extremo hembra se presiona sobre el extremo de una curva, pieza en T, compuerta o reductor y se sujeta con tornillos autoperforantes o remaches. Es mejor sellar la junta con una cinta de sellado AF.

### BAJO DEMANDA

• Manguitos con juntas de goma que no requieren sellado adicional.
• En acero inoxidable.

| Code | Model | Ø | R.R.P € |
|---|---|---|---|
| Código | Modelo | Ø | P.V.P € |
| MANGF80 | MANG F-F 80 | 80 | **4,60** |
| MANGF100 | MANG F-F 100 | 100 | **4,60** |
| MANGF125 | MANG F-F 125 | 125 | **4,80** |
| MANGF150 | MANG F-F 150 | 150 | **6,00** |
| MANGF160 | MANG F-F 160 | 160 | **6,20** |
| MANGF200 | MANG F-F 200 | 200 | **7,20** |
| MANGF250 | MANG F-F 250 | 250 | **8,60** |
| MANGF315 | MANG F-F 315 | 315 | **11,60** |
| MANGF355 | MANG F-F 355 | 355 | **12,30** |
| MANGF400 | MANG F-F 400 | 400 | **14,10** |
| MANGF450 | MANG F-F 450 | 450 | **15,70** |
| MANGF500 | MANG F-F 500 | 500 | **16,10** |
| MANGF560 | MANG F-F 560 | 560 | **18,90** |
| MANGF630 | MANG F-F 630 | 630 | **26,00** |
| MANGF710 | MANG F-F 710 | 710 | **28,70** |

# SIL-C / SIL-CN



SIL-C

SIL-CN

## CIRCULAR SILENCER

### MANUFACTURING FEATURES

- Valid for mounting in inlet and outlet according to the diameter of the corresponding pipe or adapted to the diameter of an optional flange. Consult to Casals Ventilación.
- Steel housing with thickness of 0.8mm for diameters up to 1250mm; and 1mm for higher diameters.
- Silencer flange with threaded inserts.
- Acoustic rock wool insulation of 70Kg/m³ with microperforated metal mesh that protects the fiberglass from erosion. Fire resistant insulation M0.
- Attenuation test carried out according to the ISO 7235 standard.
- Drills in accordance with Eurovent regulations.
- SIL-CN are equipped with an inner core that increases silencer attenuation.
- Maximum working temperature: 150ºC.
- Suitable for pressure up to 1000 Pa.

### APPLICATIONS

- For attenuating the sound level of the fan.
- For coupling fans and circular pipes.

## SILENCIADOR CIRCULAR

### CARACTERÍSTICAS CONSTRUCTIVAS

- Válidos para montar en aspiración o impulsión en función del diámetro del tubo correspondiente o bien adaptado al diámetro de una brida opcional. Preguntar a Casals Ventilación.
- Carcasa de acero con espesor de 0,8mm para diámetros de hasta 1250mm; y 1mm para diámetros superiores.
- Embocadura del silenciador con insertos roscados.
- Aislante acústico de lana de roca de 70Kg/m³ con malla metálica microperforada que protege la fibra de vidrio de la erosión. Aislamiento resistente al fuego M0.
- Ensayo de atenuación realizado según la normativa ISO 7235.
- Taladros acorde a la normativa Eurovent.
- Los SIL-CN están dotados de un núcleo interior que aumenta la atenuación del silenciador.
- Temperatura máxima de trabajo: 150ºC.
- Puede soportar presiones de hasta 1000 Pa.

### APLICACIONES

- Para atenuación del nivel sonoro del ventilador.
- Para acoplar a ventiladores y tuberías circulares.

| Code / Código | Model / Modelo | Ø (mm) / Ø (mm) | Length / Largo | W. Kg / P. Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| 960025025 | SIL-C 250/250 | 250 | 250 | 7 | **142,20** |
| 960025375 | SIL-C 250/375 | 250 | 375 | 10 | **178,90** |
| 960025050 | SIL-C 250/500 | 250 | 500 | 13 | **215,60** |
| 960315315 | SIL-C 315/315 | 315 | 315 | 12 | **207,40** |
| 960315472 | SIL-C 315/472 | 315 | 472 | 17 | **263,90** |
| 960315063 | SIL-C 315/630 | 315 | 630 | 22 | **320,70** |
| 274300720 | SIL-C 315/720 | 315 | 720 | 22 | **353,10** |
| 960355355 | SIL-C 355/355 | 355 | 355 | 15 | **253,40** |
| 960355532 | SIL-C 355/532 | 355 | 532 | 17 | **324,40** |
| 960355071 | SIL-C 355/710 | 355 | 710 | 24 | **395,70** |
| 274350720 | SIL-C 355/720 | 355 | 720 | 24 | **399,70** |
| 960040040 | SIL-C 400/400 | 400 | 400 | 16 | **310,70** |
| 960040060 | SIL-C 400/600 | 400 | 600 | 23 | **400,00** |
| 274400720 | SIL-C 400/720 | 400 | 720 | 28 | **453,60** |
| 960040080 | SIL-C 400/800 | 400 | 800 | 29 | **489,30** |
| 960045045 | SIL-C 450/450 | 450 | 450 | 20 | **381,20** |
| 960045675 | SIL-C 450/675 | 450 | 675 | 26 | **493,10** |
| 960045090 | SIL-C 450/675 | 450 | 675 | 34 | **605,10** |
| 960050050 | SIL-C 500/500 | 500 | 500 | 23 | **458,70** |
| 960050075 | SIL-C 500/750 | 500 | 750 | 31 | **530,10** |
| 960050100 | SIL-C 500/1000 | 500 | 1000 | 40 | **733,00** |
| 960056056 | SIL-C 560/560 | 560 | 560 | 26 | **471,60** |
| 960056084 | SIL-C 560/840 | 560 | 840 | 36 | **676,80** |
| 960056112 | SIL-C 560/1120 | 560 | 1120 | 47 | **864,90** |
| 960063063 | SIL-C 630/630 | 630 | 630 | 32 | **737,10** |
| 960063945 | SIL-C 630/945 | 630 | 945 | 46 | **951,70** |
| 960063126 | SIL-C 630/1260 | 630 | 1260 | 60 | **1.166,30** |
| 960071071 | SIL-C 710/710 | 710 | 710 | 42 | **915,70** |
| 960071065 | SIL-C 710/1065 | 710 | 1065 | 58 | **1.186,50** |
| 960071142 | SIL-C 710/1420 | 710 | 1420 | 75 | **1.457,40** |
| 960080080 | SIL-C 800/800 | 800 | 800 | 50 | **1.139,70** |
| 960080120 | SIL-C 800/1200 | 800 | 1200 | 70 | **1.481,60** |
| 960080160 | SIL-C 800/1600 | 800 | 1600 | 90 | **1.823,50** |
| 960090090 | SIL-C 900/900 | 900 | 900 | 80 | **1.579,70** |
| 960090135 | SIL-C 900/1350 | 900 | 1350 | 101 | **2.010,30** |
| 960090180 | SIL-C 900/1800 | 900 | 1800 | 122 | **2.440,90** |
| 960100100 | SIL-C 1000/1000 | 1000 | 1000 | 115 | **1.921,60** |
| 960100150 | SIL-C 1000/1500 | 1000 | 1500 | 137 | **2.451,00** |
| 960100200 | SIL-C 1000/2000 | 1000 | 2000 | 160 | **2.980,40** |
| 960112112 | SIL-C 1120/1120 | 1120 | 1120 | 134 | **2.375,90** |
| 960112168 | SIL-C 1120/1680 | 1120 | 1680 | 160 | **3.037,40** |
| 960112224 | SIL-C 1120/2240 | 1120 | 2240 | 186 | **3.699,00** |
| 960125125 | SIL-C 1250/1250 | 1250 | 1250 | 159 | **2.922,30** |
| 960125187 | SIL-C 1250/1875 | 1250 | 1875 | 191 | **3.743,60** |
| 960125250 | SIL-C 1250/2500 | 1250 | 2500 | 223 | **4.564,80** |
| 960140140 | SIL-C 1400/1400 | 1400 | 1400 | 218 | **3.623,00** |
| 960140210 | SIL-C 1400/2100 | 1400 | 2100 | 270 | **4.650,00** |
| 960140280 | SIL-C 1400/2800 | 1400 | 2800 | 322 | **5.676,90** |

| Code / Código | Model / Modelo | Ø (mm) / Ø (mm) | Length / Largo | W. Kg / P. Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| 961025025 | SIL-CN 250/250 | 250 | 250 | 8 | **348,90** |
| 961025375 | SIL-CN 250/375 | 250 | 375 | 10 | **353,60** |
| 961025050 | SIL-CN 250/500 | 250 | 500 | 14 | **358,50** |
| 961315315 | SIL-CN 315/315 | 315 | 315 | 10 | **563,50** |
| 961315472 | SIL-CN 315/472 | 315 | 472 | 12 | **611,80** |
| 961315063 | SIL-CN 315/630 | 315 | 630 | 16,70 | **673,60** |
| 961355355 | SIL-CN 355/355 | 355 | 355 | 15 | **635,60** |
| 961355532 | SIL-CN 355/532 | 355 | 532 | 16 | **712,20** |
| 961355071 | SIL-CN 355/710 | 355 | 710 | 20 | **778,80** |
| 961040040 | SIL-CN 400/400 | 400 | 400 | 14 | **778,80** |
| 961040060 | SIL-CN 400/600 | 400 | 600 | 18 | **884,50** |
| 961040080 | SIL-CN 400/800 | 400 | 800 | 24 | **989,60** |
| 961045045 | SIL-CN 450/450 | 450 | 450 | 19 | **922,50** |
| 961045675 | SIL-CN 450/675 | 450 | 675 | 24 | **1.060,90** |
| 961045090 | SIL-CN 450/900 | 450 | 900 | 35 | **1.198,80** |
| 961050050 | SIL-CN 500/500 | 500 | 500 | 20 | **1.070,10** |
| 961050075 | SIL-CN 500/750 | 500 | 750 | 26 | **1.247,00** |
| 961050100 | SIL-CN 500/1000 | 500 | 1000 | 32 | **1.414,40** |
| 961056056 | SIL-CN 560/560 | 560 | 560 | 26 | **1.213,80** |
| 961056084 | SIL-CN 560/840 | 560 | 840 | 36 | **1.501,40** |
| 961056112 | SIL-CN 560/1120 | 560 | 1120 | 45 | **1.624,80** |
| 961063063 | SIL-CN 630/630 | 630 | 630 | 30 | **1.427,80** |
| 961063945 | SIL-CN 630/945 | 630 | 945 | 44 | **1.687,90** |
| 961063126 | SIL-CN 630/1260 | 630 | 1260 | 62 | **1.951,60** |
| 961071071 | SIL-CN 710/710 | 710 | 710 | 40 | **1.648,60** |
| 961071065 | SIL-CN 710/1065 | 710 | 1065 | 56 | **1.959,20** |
| 961071142 | SIL-CN 710/1420 | 710 | 1420 | 70 | **2.265,00** |
| 961080080 | SIL-CN 800/800 | 800 | 800 | 52 | **1.939,50** |
| 961080120 | SIL-CN 800/1200 | 800 | 1200 | 75 | **2.317,60** |
| 961080160 | SIL-CN 800/1600 | 800 | 1600 | 100 | **2.690,10** |
| 961090090 | SIL-CN 900/900 | 900 | 900 | 55 | **2.267,50** |
| 961090135 | SIL-CN 900/1350 | 900 | 1350 | 95 | **2.671,00** |
| 961090180 | SIL-CN 900/1800 | 900 | 1800 | 118 | **3.115,50** |
| 961100100 | SIL-CN 1000/1000 | 1000 | 1000 | 90 | **2.518,50** |
| 961100150 | SIL-CN 1000/1500 | 1000 | 1500 | 125 | **3.029,40** |
| 961100200 | SIL-CN 1000/2000 | 1000 | 2000 | 180 | **3.535,80** |
| 961112112 | SIL-CN 1120/1120 | 1120 | 1120 | 110 | **2.809,40** |
| 961112168 | SIL-CN 1120/1680 | 1120 | 1680 | 195 | **3.493,00** |
| 961112224 | SIL-CN 1120/2240 | 1120 | 2240 | 215 | **4.253,90** |
| 961125125 | SIL-CN 1250/1250 | 1250 | 1250 | 135 | **3.360,60** |
| 961125187 | SIL-CN 1250/1875 | 1250 | 1875 | 210 | **4.305,10** |
| 961125250 | SIL-CN 1250/2500 | 1250 | 2500 | 280 | **5.249,50** |
| 961140140 | SIL-CN 1400/1400 | 1400 | 1400 | 240 | **4.166,50** |
| 961140210 | SIL-CN 1400/2100 | 1400 | 2100 | 310 | **5.347,50** |
| 961140280 | SIL-CN 1400/2800 | 1400 | 2800 | 345 | **6.528,40** |

Other size: consult us |
Otras medidas a consultar

# º Electrical accessories

# º Accesorios eléctricos

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
|  REPROFIRE |  BOIT-R |  BOIT-P |  BOIT-D |  DIRECT-DV |  REGD-1 |  REG |  REGC |  REG TWIN |
|  REG FILTER |  SFC |  SFC- PDV |  INT |  INT 400 |  PMR |  INT 3V |  INT ATEX |  INT PS |
|  DPT 500 |  SCO2 IAQ |  DCO2 |  LARIDIS |  LENTICHEK |  IEC | | | |

# REPROFIRE



## RELAY BOX FOR POWER CONTROL OF A FAN IN SMOKE EXTRACTION EXHAUST

The REPROFIRE relay box (with NF certificate) is a safety actuated device (DAS). It allows the power control of a smoke extraction fan under optimized safety conditions. It is mandatory to use NF stamped with DAS that meets the criteria of standards NF S 61937-1 and NF S 61-937-9, for the extraction of smoke from ERP and IGH. In addition to fan power control, the relay box centralizes many safety and reporting functions. The relay box communicates with the CMSI and receives electrical safety commands from the CMSI.

### MANUFACTURING FEATURES

- IP55 relay box (IP54 with proximity switch)
- Three-phase 400 VAC 1-speed or 2-speed relay box with dahlander winding
- Motor isolation controller / Phase controller
- Possibility of controlling comfort mode with any automatic remote control with dry contact (clock, CO/NO detection unit (CO-MASTER), etc.)
- Certified according to the NF certification; reference system relay boxes for smoke extraction fan NF 537 (mandatory accessoires: BOIT-P, BOIT-D & BOIT-R).
- Opaque all-in-one box (comfort, smoke extraction) or only smoke extraction.
- Digital display and control of smoke extraction in the front.
- Control circuit management by electronic card.
- Compatible with all existing CMSI and fans of Casals.

### APPLICATIONS

- The electrical box allows the power control of a smoke extraction fan and has one or more remote control inputs.
- A relay box can only control one smoke extraction fan.
- The box must be installed outside the safety-controlled zone (s) controlled by the fan.

### UNDER REQUEST

- Possibility of pre-wiring the motor supply in Fire Resistant Cable.
- Fan assembly and wiring on request.
- Soft starter with 6 thyristors
- Powers up to 150A. Powers of 200 and 250A with soft starter.
- With integrated pressure switch.
- With integrated proximity switch.
- With integrated thermal protection for comfort mode.
- Reprofire for 2-speed fans with separate winding (4/6 and 6/8 pole motors).
- Reprofire at 60Hz (110 or 230V).

## CAJA DE RELÉS PARA EL CONTROL DE POTENCIA DE UN VENTILADOR EN DESENFUMAJE EN EXTRACCIÓN DE HUMOS

La caja de relés REPROFIRE (con certificado NF) es un dispositivo de seguridad accionada (DAS). Permite el control de potencia de un ventilador de extracción de humo en condiciones de seguridad optimizadas. Es obligatorio utilizar NF estampado con DAS que cumpla con los criterios de las normas NF S 61937-1 y NF S 61-937-9, para la extracción de humo de ERP e IGH. Además del control de potencia del ventilador, la caja de relés centraliza muchas funciones de seguridad e informes. La caja de relés se comunica con el CMSI y recibe de este último los comandos de seguridad eléctrica.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de relés IP55 (IP54 con interruptor de proximidad)
- Caja de relés trifásico 400 VAC de 1 velocidad o 2 velocidades con bobinado dahlander
- Controlador de aislamiento del motor / Controlador de fase
- Posibilidad de controlar el modo confort con cualquier control remoto automático con contacto seco (reloj, unidad de detección de CO / NO (CO-MASTER), etc.)
- Certificado según el sistema de referencia de certificación NF; cajas de relés para ventilador de extracción de humo NF 537 (accesorios obligatorios: BOIT-P, BOIT-D y BOIT-R).
- Caja opaca todo en uno (confort, desenfumaje) o solo desenfumaje (extracción de humo).
- Pantalla digital y control de  en el frente.
- Gestión del circuito de control mediante tarjeta electrónica.
- Compatible con todos los CMSI y ventiladores existentes de Casals.

### APLICACIONES

- La caja eléctrica permite el control de potencia de un ventilador de extracción de humo y tiene una o más entradas de control remoto.
- Una caja de relés solo puede controlar un ventilador de extracción de humo.
- La caja debe instalarse fuera de las zonas de seguridad controlada por el ventilador.

### BAJO DEMANDA

- Posibilidad de precablear el suministro del motor en Cable Resistente al fuego.
- Montaje y cableado en ventilador bajo pedido.
- Arrancador suave de 6 tiristores
- Potencias hasta 150A. Potencias de 200 y 250A con arrancador suave.
- Con presostato integrado.
- Con interruptor de proximidad integrado.
- Con protección térmica integrada para el modo confort.
- Reprofire para ventiladores de 2 velocidades con bobinado por separado (Motores 4/6 y 6/8 polos).
- Reprofire at 60Hz (110 or 230V).

## THREE PHASE RANGE 1 SPEED 400V - SMOKE EXHAUST | SERIE TRIFÁSICA 1 VELOCIDAD 400V - DESENFUMAJE

| Code<br>Código | Model<br>Modelo | Max.I. (A)<br>I max (A) | Weight kg<br>Peso kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|
| REPD6 | REPROFIRE III 6A Desenf. | 6 | 4,10 | **984,10** |
| REPD10 | REPROFIRE III 10A  Desenf. | 10 | 4,10 | **1.005,50** |
| REPD15 | REPROFIRE III 15A Desenf. | 15 | 4,20 | **1.053,90** |
| REPD20 | REPROFIRE III 20A Desenf. | 20 | 4,30 | **1.131,80** |
| REPD30 | REPROFIRE III 30A Desenf. | 30 | 7 | **1.402,20** |
| REPD40 | REPROFIRE III 40A Desenf. | 40 | 7,20 | **1.537,00** |
| REPD56 | REPROFIRE III 56A Desenf. | 56 | 15 | **2.871,20** |
| REPD70 | REPROFIRE III 70A Desenf. | 70 | 15,50 | **3.046,70** |
| REPD95 | REPROFIRE III 95A Desenf. | 95 | - | **4.079,60** |

## THREE PHASE RANGE 2 SPEED 400V WITH DAHLANDER WINDING - SMOKE EXHAUST |
## SERIE TRIFÁSICA 2 VELOCIDAD 400V CON BOBINADO DAHLANDER - DESENFUMAJE

| Code | Model | Max.I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso kg | P.V.P € |
| REP2D6 | REPROFIRE III 6A Desenf. 2V | 6 | 4,70 | **1.415,50** |
| REP2D10 | REPROFIRE III 10A Desenf. 2V | 10 | 4,70 | **1.430,20** |
| REP2D15 | REPROFIRE III 15A Desenf. 2V | 15 | 5 | **1.491,40** |
| REP2D20 | REPROFIRE III 20A Desenf. 2V | 20 | 7 | **1.650,80** |
| REP2D30 | REPROFIRE III 30A Desenf. 2V | 30 | 7,80 | **2.033,60** |
| REP2D40 | REPROFIRE III 40A Desenf. 2V | 40 | 8,10 | **2.214,60** |
| REP2D56 | REPROFIRE III 56A Desenf. 2V | 56 | 17,50 | **3.434,10** |
| REP2D70 | REPROFIRE III 70A Desenf. 2V | 70 | 17,60 | **3.709,40** |
| REP2D95 | REPROFIRE III 95A Desenf. 2V | 95 | - | **4.886,80** |

## THREE PHASE RANGE 1 SPEED 400V - SMOKE EXHAUST + CON FORT NON-VARIABLE SPEED |
## SERIE TRIFÁSICA 1 VELOCIDAD 400V - DESENFUMAJE + CONFORT VELOCIDAD NO VARIABLE

| Code | Model | Max.I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso kg | P.V.P € |
| REPDC6 | REPROFIRE III 6A Desenf. + Confort No Var. | 6 | 4 | **1.162,20** |
| REPDC10 | REPROFIRE III 10A Desenf. + Confort No Var. | 10 | 4,20 | **1.186,60** |
| REPDC15 | REPROFIRE III 15A Desenf. + Confort No Var. | 15 | 4,20 | **1.274,80** |
| REPDC20 | REPROFIRE III 20A Desenf. + Confort No Var. | 20 | 4,30 | **1.354,50** |
| REPDC30 | REPROFIRE III 30A Desenf. + Confort No Var. | 30 | 7 | **1.642,70** |
| REPDC40 | REPROFIRE III 40A Desenf. + Confort No Var. | 40 | 7,20 | **1.770,50** |
| REPDC56 | REPROFIRE III 56A Desenf. + Confort No Var. | 56 | 15 | **3.017,80** |
| REPDC70 | REPROFIRE III 70A Desenf. + Confort No Var. | 70 | 15,50 | **3.302,40** |
| REPDC95 | REPROFIRE III 95A Desenf. + Confort No Var. | 95 | - | **4.304,60** |

## THREE PHASE RANGE 2 SPEED 400V WITH DAHLANDER WINDING- SMOKE EXHAUST +COMFORT NON-VARIABLE SPEED |
## SERIE TRIFÁSICA 2 VELOCIDAD 400V CON BOBINADO DAHLANDER - DESENFUMAJE + CONFORT VELOCIDAD NO VARIABLE

| Code | Model | Max.I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso kg | P.V.P € |
| REP2DC6 | REPROFIRE III 6A Desenf. + Confort No Var. 2V | **6** | **4,70** | **1.525,20** |
| REP2DC10 | REPROFIRE III 10A Desenf. + Confort No Var. 2V | **10** | **4,70** | **1.545,60** |
| REP2DC15 | REPROFIRE III 15A Desenf. + Confort No Var. 2V | **15** | **5,10** | **1.612,50** |
| REP2DC20 | REPROFIRE III 20A Desenf. + Confort No Var. 2V | **20** | **6,90** | **1.770,60** |
| REP2DC30 | REPROFIRE III 30A Desenf. + Confort No Var. 2V | **30** | **7,90** | **2.151,60** |
| REP2DC40 | REPROFIRE III 40A Desenf. + Confort No Var. 2V | **40** | **8,30** | **2.328,00** |
| REP2DC56 | REPROFIRE III 56A Desenf. + Confort No Var. 2V | **56** | **17,50** | **3.500,50** |
| REP2DC70 | REPROFIRE III 70A Desenf. + Confort No Var. 2V | **70** | **-** | **3.863,10** |
| REP2DC95 | REPROFIRE III 95A Desenf. + Confort No Var. 2V | **95** | **-** | **5.054,80** |

## THREE PHASE RANGE 1 SPEED 400V - SMOKE EXHAUST + COMFORT VARIABLE SPEED |
## SERIE TRIFÁSICA 1 VELOCIDAD 400V - DESENFUMAJE + CONFORT VELOCIDAD VARIABLE

| Code | Model | Max.I. (A) | Weight kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I max (A) | Peso kg | P.V.P € |
| REPDCV6 | REPROFIRE III 6A Desenf. + Confort Veloc. Var. | **6** | **6,50** | **1.650,20** |
| REPDCV10 | REPROFIRE III 10A Desenf. + Confort Veloc. Var. | **10** | **6,50** | **1.676,90** |
| REPDCV15 | REPROFIRE III 15A Desenf. + Confort Veloc. Var. | **15** | **6,70** | **1.723,20** |
| REPDCV20 | REPROFIRE III 20A Desenf. + Confort Veloc. Var. | **20** | **7** | **1.823,60** |
| REPDCV30 | REPROFIRE III 30A Desenf. + Confort Veloc. Var. | **30** | **10** | **2.328,60** |
| REPDCV40 | REPROFIRE III 40A Desenf. + Confort Veloc. Var. | **40** | **10,60** | **2.478,20** |
| REPDCV56 | REPROFIRE III 56A Desenf. + Confort Veloc. Var. | **56** | **17,30** | **3.821,10** |
| REPDCV70 | REPROFIRE III 70A Desenf. + Confort Veloc. Var. | **70** | **26** | **4.376,20** |
| REPDCV95 | REPROFIRE III 95A Desenf. + Confort Veloc. Var. | **95** | **-** | **5.294,60** |

## ACCESSORIES FOR | ACCESORIOS PARA REPROFIRE



### BOIT-R

Rearming
Rearme

**MECHANICAL CHARACTERISTICS**

- Overall dimensions (with key): HxWxD (in mm): 80x72x105mm.
- Button with 2-position spring-loaded key control (MS1 key).
- Marking: REARMING.
- Material: Polycarbonate gray RAL 7035 (cover) and anthracite (lower part).
- Compliance with standards: IEC 947-5-1, IEC/EN 60947, VDE 0660.
- Operating temperature: -25 to +70°C.
- Degree of protection: IP 67, IP69K.
- Mechanical longevity: 0.1x106 operations.
- Knock-out entries for cable passage: M16, M20; M25.

**ELECTRICAL SPECIFICATIONS**

- 1 NO contact.
- Rated operational current DC-13 (60V): 1.2A.
- Rated insulation voltage: 500V (degree of pollution: III/3).
- Connection on captive screw clamp terminals.
- Connectable sections: 0.75 to 2.5mm2.

**CARACTERÍSTICAS MECÁNICAS:**

- Dimensiones totales (con llave): HxLxP (en mm): 80x72 x105mm.
- Botón con control de llave con resorte de 2 posiciones (llave MS1).
- Marcaje: REARME.
- Material: Policarbonato gris RAL 7035 (tapa) y antracita (parte inferior).
- Cumplimiento de las normas: IEC 947-5-1, IEC/EN 60947, VDE 0660.
- Temperatura de funcionamiento: -25 a+70°C.
- Grado de protección: IP 67, IP69K.
- Longevidad mecánica: 0,1x106 operaciones.
- Entradas troqueladas para paso de cables: M16, M20; M25.

**ESPECIFICACIONES ELÉCTRICAS:**

- 1 contacto NO.
- Corriente nominal de funcionamiento DC-13 (60V): 1,2A.
- Tensión nominal de aislamiento: 500V (grado de contaminación: III/3).
- Conexión en terminales de abrazadera de tornillo cautivo.
- Secciones conectables: 0,75 a 2,5mm2.

| Code | Model | R.R.P. $ |
|---|---|---|
| Código | Modelo | P.V.P € |
| BOIT-R | BOIT-R REARME | **120,00** |



### BOIT-P

Stop firefighters
Paro de bomberos

**MECHANICAL CHARACTERISTICS**

- Overall dimensions (with key): HxWxD (in mm): 80x72x105mm.
- Knob with 2-position key control (MS1 key).
- Marking: STOP FIREFIGHTER.
- Material: Yellow polycarbonate RAL 1004 (cover) and anthracite (lower part).
- Compliance with standards: IEC 947-5-1, IEC/EN 60947, VDE 0660.
- Operating temperature: -25 to+70°C.
- Degree of protection: IP 67, IP69K.
- Mechanical longevity: 0.1 x 106 operations.
- Knock-out entries for cable passage: M16, M20; M25.

**ELECTRICAL SPECIFICATIONS**

- 1 NO contact.
- Rated operational current DC-13 (60V): 1.2A.
- Rated insulation voltage: 500V (degree of pollution: III/3).
- Connection on captive screw clamp terminals.
- Connectable sections: 0.75 to 2.5mm2.

**CARACTERÍSTICAS MECÁNICAS**

- Dimensiones totales (con llave): HxLxP (en mm): 80x72 x105 mm.
- Pera con control de llave de 2 posiciones (Llave MS1).
- Marcaje: STOP BOMBERO.
- Material: Policarbonato amarillo RAL 1004 (tapa) y antracita (parte inferior).
- Cumplimiento de las normas: IEC 947-5-1, IEC/EN 60947, VDE 0660.
- Temperatura de funcionamiento: -25a +70°C.
- Grado de protección: IP 67, IP69K.
- Entradas troqueladas para paso de cables: M16, M20; M25.

**ESPECIFICACIONES ELÉCTRICAS**

- 1 contacto NO.
- Corriente operativa nominal DC-13 (60V): 1.2A.
- Tensión nominal de aislamiento: 500V (grado de contaminación: III/3).
- Conexión en terminales de abrazadera de tornillo cautivo.
- Secciones conectables: 0,75 a 2,5mm2.

| Code | Model | R.R.P. $ |
|---|---|---|
| Código | Modelo | P.V.P € |
| BOIT-P | BOIT-P PARO BOMBEROS | **125,00** |



## BOIT-D

Smoke exhaust
Desenfumaje

### MECHANICAL CHARACTERISTICS

- Overall dimensions (with key): HxWxD (in mm): 80x72 x105mm.
- Resettable mushroom head button with key (MS1 key).
- Marking: SMOKE EXHAUST.
- Material: Yellow polycarbonate RAL 1004 (cover) and anthracite (lower part).
- Compliance with standards: IEC 947-5-1, IEC/EN 60947, VDE 0660.
- Operating temperature: -25 to +70°C.
- Degree of protection: IP 67, IP69K.
- Mechanical longevity: 0.1x106 operations.
- Knock-out entries for cable passage: M16, M20; M25.

### ELECTRICAL SPECIFICATIONS

- 1 NO contact + 1 NC contact.
- Rated operational current DC-13 (60V): 1.2A.
- Rated insulation voltage: 500V (degree of pollution: III/3).
- Connection on captive screw clamp terminals.
- Connectable sections: 0.75 to 2.5mm2.

### CARACTERÍSTICAS MECÁNICAS

- Dimensiones totales (con llave): HxLxP (en mm): 80x72x105mm.
- Botón de cabeza de hongo reiniciable con llave (Llave MS1).
- Marcaje: ESCAPE DE HUMOS.
- Material: Policarbonato amarillo RAL 1004 (tapa) y antracita (parte inferior).
- Cumplimiento de las normas: IEC 947-5-1, IEC/EN 60947, VDE 0660.
- Temperatura de funcionamiento: -25 a +70°C.
- Grado de protección: IP 67, IP69K.
- Longevidad mecánica: 0,1x106 operaciones.
- Entradas troqueladas para paso de cables: M16, M20; M25.

### ESPECIFICACIONES ELÉCTRICAS

- 1 contacto NO + 1 contacto NC.
- Corriente operativa nominal DC-13 (60V): 1.2A
- Tensión nominal de aislamiento: 500V (grado de contaminación: III/3).
- Conexión en terminales de abrazadera de tornillo cautivo.
- Secciones conectables: 0,75 a 2,5mm2.

| Code | Model | R.R.P. $ |
|---|---|---|
| Código | Modelo | P.V.P € |
| BOIT-D | BOIT-D DESENFUMAJE | **150,00** |

# DIRECT-DV



DIRECT-ON-LINE-STARTER WITH START AND STOP/RESET

ARRANCADOR DIRECTO CON PARO Y MARCHA

**MANUFACTURING FEATURES**
- Direct-on-line-starter, IP65, contactor coil.
- Voltage 230VAC & 400VAC 50-60Hz, non-metallic enclosure, with thermal overload.
- Relay with start and stop/reset buttons and operation led.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Arranque directo en línea, IP65, contactor de bobina.
- Voltaje 230VAC y 400VAC 50-60Hz, caja no metálica, con relé térmico contra sobrecargas.
- Con botones de arranque y paro/reset y led de funcionamiento.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code / Código | Model / Modelo | Relay adjustment range (A) / Calibr. Relé térmico (A) | Rated I (A) ≤440V / I nominal (A) ≤440V | Dimensions / Dimensiones | Weight Kg / Peso Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|---|
| DDV230I001 | DIRECT-DV 0,6-1A 230V | 0,6-1 | 1 | 187x092x160 | 0,76 | **254,10** |
| DDV230I002 | DIRECT-DV 0,9-1,5A 230V | 0,9-1,5 | 1,5 | 187x092x160 | 0,76 | **254,10** |
| DDV230I003 | DIRECT-DV 1,4-2,3A 230V | 1,4-2,3 | 2,3 | 187x092x160 | 0,76 | **254,10** |
| DDV230I004 | DIRECT-DV 2-3,3A 230V | 2-3,3 | 3,3 | 187x092x160 | 0,76 | **254,10** |
| DDV230I005 | DIRECT-DV 3-5A 230V | 3-5 | 5 | 187x092x160 | 0,76 | **254,10** |
| DDV230I006 | DIRECT-DV 4,5-7,5A 230V | 4,5-7,5 | 7,5 | 187x092x160 | 0,76 | **254,10** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code / Código | Model / Modelo | Relay adjustment range (A) / Calibr. Relé térmico (A) | Rated I (A) ≤440V / I nominal (A) ≤440V | Dimensions / Dimensiones | Weight Kg / Peso Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|---|
| DDV400III1 | DIRECT-DV 0,9-1,5A 400V | 0,9-1,5 | 1,5 | 187x092x160 | 0,76 | **256,40** |
| DDV400III2 | DIRECT-DV 1,4-2,3A 400V | 1,4-2,3 | 2,3 | 187x092x160 | 0,76 | **256,40** |
| DDV400III3 | DIRECT-DV 2-3,3A 400V | 2-3,3 | 3,3 | 187x092x160 | 0,76 | **256,40** |
| DDV400III4 | DIRECT-DV 3-5A 400V | 3-5 | 5 | 187x092x160 | 0,76 | **256,40** |
| DDV400III5 | DIRECT-DV 4,5-7,5A 400V | 4,5-7,5 | 7,5 | 187x092x160 | 0,76 | **256,40** |
| DDV400III6 | DIRECT-DV 6-10A 400V | 6-10 | 10 | 187x092x160 | 0,76 | **256,40** |
| DDV400III7 | DIRECT-DV 9-15A 400V | 9-15 | 12 | 187x092x160 | 0,76 | **256,40** |
| DDV400III8 | DIRECT-DV 13-18A 400V | 13-18 | 18 | 206x092x170 | 1,04 | **313,30** |
| DDV400III9 | DIRECT-DV 17-23A 400V | 17-23 | 23 | 238x114x188 | 1,220 | **375,70** |
| DDV400III10 | DIRECT-DV 20-25A 400V | 20-25 | 25 | 238x114x188 | 1,220 | **375,70** |
| DDV400III11 | DIRECT-DV 24-32A 400V | 24-32 | 32 | 238x114x188 | 1,3 | **511,70** |
| DDV400III12 | DIRECT-DV 32-38A 400V | 32-38 | 38 | 295x240x225 | 2,880 | **625,20** |
| DDV400III13 | DIRECT-DV 35-50A 400V | 35-50 | 50 | 295x240x225 | 3,76 | **818,10** |
| DDV400III14 | DIRECT-DV 46-65A 65A 400V | 45-65 | 65 | 295x240x225 | 3,760 | **960,00** |
| DDV400III15 | DIRECT-DV 60-82A 80A 400V | 60-82 | 80 | 295x240x225 | 3,76 | **1.164,20** |

# REGD-1



MANUAL SINGLE PHASE SPEED CONTROLLER

REGULADOR DE VELOCIDAD MANUAL MONOFÁSICO

**MANUFACTURING FEATURES**
- Speed controller for single phase voltage (230 Vac - 50 Hz) controllable motors by varying the supplied voltage through angle phase control.
- External enclosure in white-ivory plastic. Internal enclosure in polyamide. Maximum room temperature: 35ºC.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Regulador de velocidad para motores controlables de tensión monofásica (230 Vac a 50 Hz), variando la tensión de alimentación a través del control de ángulo de fase.
- Carcasa externa de plástico blanco ivory. Carcasa interna de poliamida. Temperatura ambiente máxima: 35ºC.

| Code / Código | Model / Modelo | Max. Current (A) / I máx. (A) | Voltage (V) / Tensión (V) | Weight Kg / Peso Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| 300782600 | REGD-1 | 1 | 230 | 0,24 | **91,80** |

# REG



MANUAL SINGLE PHASE SPEED CONTROLLER

REGULADOR DE VELOCIDAD MANUAL MONOFÁSICO

**MANUFACTURING FEATURES**
- Specially designed for sinus wave speed control. Only available for single phase fans.
- Terminal wiring.
- Minimum speed adjustable and potentiometer speed control.
- Sealed box IP-54 box. Light switch pilot.
- EMC filter according to the En55014 Standard.

**CARACTERÍSTICAS CONSTRUCTIVAS**
- Especialmente diseñado para la regulación de velocidad por control de onda senoidal, sólo para ventiladores monofásicos.
- Conexionado por regletas.
- Ajuste de la velocidad mínima y control por potenciómetro.
- Caja estanca IP-54. Interruptor con piloto luminoso.
- Filtro EMC según En55014.

| Code / Código | Model / Modelo | Max. Current (A) / I máx. (A) | Voltage (V) / Tensión (V) | Weight Kg / Peso Kg | R.R.P € / P.V.P € |
|---|---|---|---|---|---|
| 960710015 | REG 1.5A | 1,5 | 230 | 0,35 | **120,70** |
| 960710030 | REG 3A | 3 | 230 | 0,42 | **129,90** |
| 960710050 | REG 5A | 5 | 230 | 0,57 | **155,00** |
| 960710100 | REG 10A | 10 | 230 | 0,76 | **271,80** |

# REGC EEC



SPEED CONTROLLER FOR EEC MOTORS

REGULADOR DE VELOCIDAD PARA MOTORES EEC

**MANUFACTURING FEATURES**

- Speed remote controller for EEC motors.
- Adjusts the flow rate in a range from 0 to 100% at a maximum distance of 10m.
- It can be recessed or mounted on a wall. Can be installed outdoors.
- Working temperature from 0 to 40ºC.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Control remoto de velocidad para motores EEC
- Permite ajustar el caudal en un rango de 0 a 100%, a una distancia de 10m como máximo.
- Montaje encastrado o en pared. Puede instalarse en el exterior.
- Temperatura de trabajo de 0 a 40ºC.

| Code | Model | Max. Current (A) | Weight Kg | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I máx. (A) | Peso Kg | P.V.P € |
| FX263300 | REGC | 1 | 0,145 | **90,50** |

# REG TWIN



CONTROL AUTO CHANGE OVER PANEL FOR TWIN FANS

CONMUTADOR AUTOMÁTICO DE VENTILADORES "TWIN" PARA TRABAJAR ALTERNATIVAMENTE

**MANUFACTURING FEATURES**

- Electronic system designed and developed for automatic control of Twin-fans, like TWIN BOX BD and TWIN BOX BV.
- The REG TWIN control can be fitted within the Twin-fan housing or at any desired location of operation within the same building.
- The MODBUS communication protocol is integrated in the REG TWIN control.
- When REG TWIN is set to operate in AUTO mode, each fan will be running for a preset period of time interval (12 hours). In case of failure of any of the fan, REG TWIN automatically starts the Stand-By fan, simultaneously gives signal to the user about the faulty fan.
- An other function of REG TWIN is BOTH FANS RUNNING mode, to run both fans consequently to supply twice the normal air volume.
- Only suitable for single phase and electric motors (EEC).

**OPERATING FEATURES**

- Power supply: from 80 to 250 V. a.c. or d.c.
- Relay contacts current: 3 A 250 V. a.c.
(for external intensities and three-phase motors an external contactor is necessary).
- Working temperature: from 0°C to 50°C.
- Storage temperature: from -25°C to 85°C.
- Relative humidity: max. 95% without condensation
- Dimensions: 104 x 93 x 25 mm.

**CONNECTION OPTIONS**

- Inside the unit (not connected).
- Attached outside the unit (the IP must be taken into account).
- Remote.

**APPLICATIONS**

- This kind of control can be used to commutate a couple of motors to work in auto change over mode or simultaneously.
- In case of TWIN BOX BD or TWIN BOX BV, a common application is in high temperatures environments (in the desert for example) where fans run in change over mode to avoid fan overheating problems.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Sistema electrónico diseñado y desarrollado para el control automático de ventiladores dobles, como TWIN BOX BD y TWIN BOX BV.
- El control REG TWIN se puede instalar dentro de la carcasa del ventilador twin o en cualquier ubicación dentro del mismo edificio. El protocolo de comunicación MODBUS está integrado en el control REG TWIN.
- Cuando REG TWIN está configurado para funcionar en modo AUTO, cada ventilador funcionará durante un período de tiempo predeterminado (12 horas).
- Dispone de programación horaria. En caso de fallo de cualquiera de los ventiladores, REG TWIN deja automáticamente el ventilador en Stand-By y, al mismo tiempo, envía una señal al usuario sobre el fallo del ventilador.
- Otra función del REG TWIN es el modo BOTH FANS RUNNING (AMBOS VENTILADORES FUNCIONANDO), para hacer funcionar ambos ventiladores en consecuencia, para suministrar el doble del volumen de aire normal.
Sólo apto para motores monofásicos y eléctricos (EEC).

**CARACTERÍSTICAS DE FUNCIONAMIENTO**

- Alimentación: de 80 a 250 V. c.a. o c.c.
- Intensidad por contacto: 3 A a 250 V. c.a.
(para intensidades superiores y motores trifásicos es necesario un contactor externo).
- Temperatura funcionamiento: de 0°C a 50°C.
- Temperatura almacenamiento: de -25°C a 85°C.
- Humedad relativa: máx. 95% sin condensación.
- Dimensiones: 104 x 93 x 25 mm.

**OPCIONES DE CONEXIÓN**

- Dentro de la unidad (no conectado de fábrica).
- Anexo a la unidad en la parte exterior (hay que tener en cuenta el IP).
- Deportado.

**APLICACIONES**

- Este tipo de control se puede usar para conmutar dos motores para que trabajen de forma alternativa o simultáneamente de forma automática.
- En el caso de los TWIN BOX BD o TWIN BOX BV, una aplicación habitual es en ambientes de alta temperatura (como en los desiertos) donde se utilizan estos ventiladores de forma alternativa para evitar problemas de sobrecalentamiento.

| Code | Model | Max. Current (A) | Voltage (V) | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I máx. (A) | Tensión (V) | P.V.P € |
| 301023313 | REG TWIN | 3 | 100-250 | **209,60** |

# REG FILTER



## CONSTANT PRESSURE FAN CONTROL

**MANUFACTURING FEATURES**

PUSH BUTTONS

The regulator has 4 buttons: ON/OFF, MODE, UP and DOWN.
Note: If the backlight is off, the first press turns on the backlight. With the backlight on, the push button functions are as described below.

Basic functions:

• ON OFF:
Short / long press: Select the on / off state of the regulator.

• MODE:
Short press: Selects the auto / manual regulation mode.
Long press: Access parameter mode.
Parameter configuration: With MODE the parameter to be displayed is selected, and with UP and DOWN its value is modified. With ON / OFF the parameter settings are sold, returning to the normal operating mode. See annex for configurable parameters of the REG FILTER regulator.

• UP:
Short / long press: Automatic mode: Increases the pressure setpoint (0Pa-10000Pa).
Manual mode: Increase the speed setpoint (0% -100%).

• DOWN:
Short / long press: Auto mode: Decreases the pressure setpoint (10000Pa-0Pa).

Manual mode: Decreases the speed setpoint (100% -0%).
Note: If MODE + UP is pressed continuously when powering the regulator, or after a reset, it returns to the values by defect (showing dEFEC on the screen).

## REGULADOR DE VENTILADOR A PRESIÓN CONSTANTE

**CARACTERÍSTICAS CONSTRUCTIVAS**

PULSADORES

El regulador dispone de 4 pulsadores: ON/OFF, MODO, SUBIR y BAJAR.
Nota: Si el backlight está apagado, la primera pulsación (sobre cualquier pulsador) enciende el backlight. Con el backlight encendido, las funciones de los pulsadores son las descritas a continuación.

Funciones básicas:

• ON/OFF:
Pulsación corta/larga: Selecciona el estado on/off del regulador.

• MODO:
Pulsación corta: Selecciona el modo de regulación auto/manual.
Pulsación larga: Accede al modo parámetros.
Configuración de parámetros: Con MODO se selecciona el parámetro a visualizar, y con SUBIR y BAJAR se modifica el valor del mismo. Con ON/OFF se sale de la configuración de parámetros volviendo al modo normal de funcionamiento. Ver anexo parámetros configurables del regulador REG FILTER.

• SUBIR:
Pulsación corta/larga: Modo auto: Incrementa la consigna de presión (0Pa-10000Pa).
Modo manual: Incrementa la consigna de velocidad (0%-100%).

• BAJAR:
Pulsación corta/larga: Modo auto: Decrementa la consigna de presión (10000Pa-0Pa).
Modo manual: Decrementa la consigna de velocidad (100%-0%).

Nota: Si se pulsan MODO+SUBIR continuadamente al dar tensión al regulador, o tras un reset del mismo, éste vuelve a los valores por defecto (mostrándose en pantalla dEFEC).

| Code | Model | Max. Current (A) | Voltage (V) | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I máx. (A) | Tensión (V) | P.V.P € |
| REGFILT | REG FILTER | 3 | 100-250 | **269,60** |

# SFC

FREQUENCY DRIVE SPEED CONTROLLER

VARIADOR DE VELOCIDAD FRECUENCIAL



**MANUFACTURING FEATURES**

- Specially designed for speed frequency control in ventilation applications.
- Ultra compact, simple operation and wide range of functions.

* Dial panel incorporated. Optional EMC filter.
Certifications: CE/UL/CSA/EN/GOST/CCC.
Protection index IP20.

The selection of SFC frequency drive speed controller must be made based on the maximum intensity absorbed by the fan to be regulated. The powers (kW) and the intensity for constant load refer to the normal duty (150% overload for 60 seconds). The intensity for quadratic load admits an overload of 110% during 60s.

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Diseñados para la regulación de velocidad por frecuencia en aplicaciones de ventilación.
- Ultracompacto, manejo muy sencillo y con amplio volumen de funciones.

* Panel con dial en los modelos con cargas lineales a partir de 40A y con filtros EMC incorporados. Homologaciones: CE/UL/CSA/EN/GOST/CCC.
Grado de protección IP20

La selección de los variadores de frecuencia SFC debe hacerse en base a la intensidad máxima absorbida del ventilador que se quiere regular. Las potencias (kW) y la intensidad para carga constante se refieren al normal duty (sobrecarga 150% durante 60 segundos). La intensidad para carga cuadrática admite una sobrecarga de 110% durante 60s.

## SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rat. current const. torque (A) | Rat. current quadratic torque (A) | Single phase inlet (V) | Outlet | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | Int. máx. Par constante (A) | Int. máx. Par carga cuadrático (A) | Entr. Monof. (V) | Salid Trif. (V) | Peso Kg | P.V.P € |
| SFC230I003 | SFC 230 I 2,5A | 2,50 | - | 220/240V Monofásica 50/60Hz | 230V | 0,60 | **262,70** |
| SFC230I004 | SFC 230 I 4,2A | 4,20 | - | 220/240V Monofásica 50/60Hz | 230V | 0,60 | **280,50** |
| SFC230I007 | SFC 230 I 7A | 7,00 | - | 220/240V Monofásica 50/60Hz | 230V | 1,40 | **365,10** |
| SFC230I0010 | SFC 230 I 10A | 10,00 | - | 220/240V Monofásica 50/60Hz | 230V | 1,40 | **494,30** |

## THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rat. current const. torque (A) | Rat. current quadratic torque (A) | Single phase inlet (V) | Three phase Outlet (V) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|---|
| Código | Modelo | Int. máx. Par constante (A) | Int. máx. Par carga cuadrático (A) | Entr. Trif. (V) | Salid Trif. (V) | Peso Kg | P.V.P € |
| SFC400III1 | SFC 400 III 1,2A | 1,20 | - | 380/400 Trifásica 50/60Hz | 400V | 0,60 | **400,70** |
| SFC400III2 | SFC 400 III 2,2A | 2,20 | - | 380/400 Trifásica 50/60Hz | 400V | 0,60 | **409,60** |
| SFC400III4 | SFC 400 III 3,6A | 3,60 | - | 380/400 Trifásica 50/60Hz | 400V | 0,90 | **445,30** |
| SFC400III5 | SFC 400 III 5A | 5,00 | - | 380/400 Trifásica 50/60Hz | 400V | 0,90 | **511,90** |
| SFC400III8 | SFC 400 III 8A | 8,00 | - | 380/400 Trifásica 50/60Hz | 400V | 1,40 | **578,70** |
| SFC400III12 | SFC 400 III 12A | 12,00 | - | 380/400 Trifásica 50/60Hz | 400V | 1,90 | **801,30** |
| SFC400III16 | SFC 400 III 16A | 16,00 | - | 380/400 Trifásica 50/60Hz | 400V | 1,90 | **890,20** |
| SFC400III23 | SFC 400 III 23A | 23,00 | - | 380/400 Trifásica 50/60Hz | 400V | 3,50 | **1.428,90** |
| SFC400III30 | SFC 400 III 29,5A | 29,50 | - | 380/400 Trifásica 50/60Hz | 400V | 3,50 | **1.647,00** |
| SFC400III41 | SFC 400 III 41A | - | 41,00 | 380/400 Trifásica 50/60Hz | 400V | 4,90 | **2.314,80** |
| SFC400III45 | SFC 400 III 45A | - | 45,00 | 380/400 Trifásica 50/60Hz | 400V | 11 | **4.164,00** |
| SFC400III60 | SFC 400 III 60A | - | 60,00 | 380/400 Trifásica 50/60Hz | 400V | 11 | **4.756,40** |
| SFC400III77 | SFC 400 III 77A* | - | 77,00 | 380/400 Trifásica 50/60Hz | 400V | 23 | **5.161,00** |
| SFC400III93 | SFC 400 III 93A* | - | 93,00 | 380/400 Trifásica 50/60Hz | 400V | 41 | **6.092,30** |
| SFC400III116 | SFC 400 III 116A* | - | 116,00 | 380/400 Trifásica 50/60Hz | 400V | 41 | **6.708,00** |

* EMC FILTER inclued
* FILTRO EMC incluido

## EMC FILTER | FILTRO EMC

- Cassette type filter that fits on the heat sink of an SFC.
- It offers the necessary level of protection to guarantee compliance with the regulations on electromagnetic compatibility (EMC), as regards conducted emissions from the mains supply.
- According to standard EN61800-3: 2004
- Limit high frequency noise.
    1. Reduce interference
    2. Protects sensitive equipment
    3. Eliminate cross communication of the drive.

Applicable in our SFC drives.

- Filtro tipo cassette que encaja en el disipador de calor de un SFC.
- Ofrece el nivel necesario de protección para garantizar el cumplimiento de la normativa sobre compatibilidad electromagnética (EMC), en lo que respecta a emisiones conducidas de la alimentación de red.
- Según estándar EN61800-3:2004
- Limita el ruido de alta frecuencia.
    1. Reduce la interferencia
    2. Protege equipos sensibles
    3.Elimina comunicación cruzada del drive.

Aplicable en nuestros variadores SFC.

| Code | Model | Application | R.R.P € |
|---|---|---|---|
| Código | Modelo | Aplicación | P.V.P € |
| FFSFCI01 | Filtro EMC - Serie Monofásica de 2,5 a 4,2A. | SFC 230 I --> 2,5A y 4,2A | **50,10** |
| FFSFCI02 | Filtro EMC - Serie Monofásica de 7A. | SFC 230 I --> 7A | **80,80** |
| FFSFCI03 | Filtro EMC - Serie Monofásica de 10A. | SFC 230 I --> 10A | **113,50** |
| FFSFCIII01 | Filtro EMC - Serie Trifásica de 1,2 a 2,2A. | SFC 400 III --> 1,2A y 2,2A | **102,60** |
| FFSFCIII02 | Filtro EMC - Serie Trifásica de 3,6A. | SFC 400 III --> 3,6A | **111,70** |
| FFSFCIII03 | Filtro EMC - Serie Trifásica de 5 a 8A. | SFC 400 III --> 5 y 8A | **123,90** |
| FFSFCIII04 | Filtro EMC - Serie Trifásica de 12 a 16A. | SFC 400 III --> 12 y 16A | **137,60** |
| FFSFCIII05 | Filtro EMC - Serie Trifásica de 23 a 29,5A. | SFC 400 III --> 23 y 29,5A | **163,70** |
| FFSFCIII06 | Filtro EMC - Serie Trifásica de 40A. | SFC 400 III --> 40A | **283,10** |

## SFC-PDV AND CONNECTION CABLE BETWEEN INVERTER AND PARAMETERIZATION CONSOLE |
## SFC-PDV Y CABLE DE CONEXIÓN ENTRE VARIADOR Y CONSOLA DE PARAMETRIZACIÓN



### MANUFACTURING FEATURES
- Surface-mount keypad for use with SFC Inverters.
- Allows the Inverter to be operated from a more convenient location such as a control panel door.
- Cables available in different lengths (1m, 2.5m or 5m). They must be requested separately.
- 7 segment display.

### CARACTERÍSTICAS CONSTRUCTIVAS
- Consola de parametrización para montaje en superficie. Compatible con los variadores SFC.
- Permite operar el SFC desde una ubicación más conveniente, como la puerta del panel de control.
- Cables disponibles en distintas longitudes ( de 1m, 2,5m o 5m). Deben solicitarse aparte.
- Display 7 segmentos.

| Code<br>Código | Screen model<br>Modelo de pantalla | R.R.P €<br>P.V.P € |
|---|---|---|
| 960002554 | SFC-PDV | **122,70** |

| Code<br>Código | Cable model<br>Modelo de cable | R.R.P €<br>P.V.P € |
|---|---|---|
| 960001055 | SFC-W 1 | **24,60** |
| 960002555 | SFC-W 2,5 | **30,40** |
| 960005055 | SFC-W 5 | **37,40** |

# INT



## SAFETY SWITCH

### MANUFACTURING FEATURES
- Safety start-stop switches according to IEC 60947-1 and IEC 60947-3.
- IP65 and always equipped with an auxiliary contacts (NA and NC).
- Useful for switching off the current before handling the fan.

## INTERRUPTOR DE SEGURIDAD

### CARACTERÍSTICAS CONSTRUCTIVAS
- Interruptores de seguridad paro-marcha acordes a la Norma IEC 60947-1 y IEC 60947-3.
- IP65 y siempre equipados con un contacto auxiliar (NA+NC).
- Útiles para el corte de la corriente antes de la manipulación del ventilador.

| Code<br>Código | Model<br>Modelo | Max. thermal current Air (A)<br>I Térmica Máx. al Aire (A) | Power 230 V<br>Potencia 230 V | Power 400 V<br>Potencia 400 V | Pole<br>Pole | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|---|---|
| INT253PA | INT 25 3P A | 25,00 | 4,00 | 7,5 | 3 | 0,5 | **66,00** |
| INT256PA | INT 25 6P A | 25,00 | 4,00 | 7,5 | 6 | 0,7 | **248,80** |
| INT323PA | INT 32 3P A | 32,00 | 5,50 | 11 | 3 | 0,6 | **183,40** |
| INT326PA | INT 32 6P A | 32,00 | 5,50 | 11 | 6 | 0,7 | **263,30** |
| INT403PA | INT 40 3P A | 40,00 | 7,50 | 18,5 | 3 | 0,6 | **214,70** |
| INT406PA | INT 40 6P A | 40,00 | 7,50 | 18,5 | 6 | 0,7 | **331,80** |
| INT633PA | INT 63 3P A | 63,00 | 15,00 | 22 | 3 | 1,1 | **291,60** |
| INT636PA | INT 63 6P A | 63,00 | 15,00 | 22 | 6 | 1,3 | **412,10** |
| INT1003PA | INT 100 3P A | 100,00 | 18,50 | 30 | 3 | 5,8 | **737,50** |
| INT1006PA | INT 100 6P A | 100,00 | 18,50 | 30 | 6 | 6 | **1.037,80** |
| INT1253PA | INT 125 3P A | 125,00 | 22,00 | 37 | 3 | 6,3 | **807,90** |
| INT1256PA | INT 125 6P A | 125,00 | 22,00 | 37 | 6 | 6,5 | **1.155,90** |
| INT1603PA | INT 160 3P A | 160,00 | 30,00 | 52 | 3 | 6,3 | **1.189,50** |
| INT1606PA | INT 160 6P A | 160,00 | 30,00 | 52 | 6 | 6,5 | **1.376,40** |

# INT 400



## SAFETY SWITCH FOR 400ºC/2H

### MANUFACTURING FEATURES
- Safety switch for local disconnection of 400ºC/2h ventilation equipments according to UNE-EN 12101-3.
- Equipped with two auxiliary contacts.

### APPLICATIONS
- Suited for direct control of motor in AC 3 operation category.

## INTERRUPTOR DE SEGURIDAD PARA 400ºC/2H

### CARACTERÍSTICAS CONSTRUCTIVAS
- Interruptor de seguridad para desconexión local de los equipos de ventilación 400ºC/2h según normativa UNE-EN 12101-3.
- Equipados con dos contactos auxiliares.

### APLICACIONES
- Adecuado para el control directo del motor (categoría operación AC3).

| Code<br>Código | Model<br>Modelo | Max. current (A)<br>I máx. (A) | Pole<br>Pole | Weight Kg<br>Peso Kg | R.R.P €<br>P.V.P € |
|---|---|---|---|---|---|
| 508902501 | INT 400 25A 3P | 14 | 3 | 1 | **409,10** |
| 508902502 | INT 400 25A 6P | 14 | 6 | 1,1 | **487,40** |
| 508904001 | INT 400 40A 3P | 22 | 3 | 1,3 | **503,90** |
| 508904002 | INT 400 40A 6P | 22 | 6 | 1,4 | **629,00** |
| 508906301 | INT 400 63A 3P | 35 | 3 | 1,4 | **993,10** |
| 508906302 | INT 400 63A 6P | 35 | 6 | 1,6 | **1.191,30** |
| 508901251 | INT 400 125A 3P | 68 | 3 | 3,70 | **1.306,30** |
| 508901252 | INT 400 125A 6P | 68 | 6 | 4 | **1.410,80** |

# PMR



## SPEED CONTROLLER WITH SAFETY SWITCH FOR EEC ENGINE

**MANUFACTURING FEATURES**

- Remote control of speed regulator for EEC motors.
- Allows you to adjust the flow in a range from 0 to 100%, at a maximum distance of 10m.
- Stop-start safety switches according to IEC 60947-1 and IEC 60947-3.
- IP66 and always equipped with an auxiliary contact.
- Useful for cutting off the power before handling the fan.
- Working temperature from -20ºC a 40ºC.

## REGULADOR VELOCIDAD CON INTERRUPTOR DE SEGURIDAD PARA MOTOR EEC

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Mando a distancia regulador de velocidad para motores EEC.
- Permite ajustar el caudal en un rango de 0 a 100%, a una distancia de 10m como máximo.
- Interruptores de seguridad paro-marcha acordes a la Norma IEC 60947-1 y IEC 60947-3.
- IP66 y siempre equipados con un contacto auxiliar.
- Útiles para el corte de la corriente antes de la manipulación del ventilador.
- Temperatura de trabajo de -20ºC a 40ºC.

| Code | Model | Max. current (A) | Application | Weight Kg | R.R.P € |
|---|---|---|---|---|---|
| Código | Modelo | I máx. (A) | Aplicación | Peso Kg | P.V.P € |
| PMREEC | PMR 25A | 25 | ENKELBOX / SB-3 / BOX BD EEC | 0,5 | **192,90** |

# INT 3V



## SPEED SELECTOR SWITCH

**MANUFACTURING FEATURES**

- 4 steps (0-1-2-3) start-stop switch selector. Specially designed for 3 speeds fans.

## INTERRUPTOR SELECTOR DE VELOCIDAD

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Interruptor de paro-marcha de cuatro posiciones (0-1-2-3) para seleccionar las diferentes velocidades del ventilador con motor de 3 o 4 velocidades.

| Code | Model | Phases | Max. current (A) | Protection | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|
| Código | Modelo | Fases | I máx. (A) | Protección | Peso Kg | P.V.P € |
| 960000603 | INT 3V 3A | 1 | 3 | IP44 | 0,16 | **38.90** |

# INT ATEX



## SAFETY SWITCH ATEX

**MANUFACTURING FEATURES**

- Switch for ATEX environments.
- Suitable for zones 1-2 (gas) and 21-22 (dust), index protection IP65.
- Manufactured in aluminum alloy and RAL 7000 gray finishing coat.
- External screws in stainless steel. Control on the front.
- Tensions up to 690V. According to directive 2014/34/ UE (ATEX).

## INTERRUPTOR DE SEGURIDAD ATEX

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Interruptor para funcionar en entonos ATEX.
- Adecuados para zonas 1-2 (gas) y 21-22 (polvo) con grado de protección IP65.
- Fabricado en aleación de aluminio y acabado gris RAL 7000.
- Tornillería externa en acero inoxidable. Mando en la parte frontal.
- Tensiones hasta 690V. Acorde a la directiva 2014/34/UE (ATEX).

| Code | Model | Max. current (A) | Power kW | R.R.P € |
|---|---|---|---|---|
| Código | Modelo | I máx. (A) | Potencia kW | P.V.P € |
| 510200016X | INT 16 ATEX | 16 | 0,7 | **269,70** |
| 510200025X | INT 25 ATEX | 25 | 1,3 | **302,70** |
| 510200032X | INT 32 ATEX | 32 | 1,3 | **351,50** |
| 510200040X | INT 40 ATEX | 40 | 2,3 | **492,70** |
| 510200063X | INT 63 ATEX | 63 | 2,3 | **530,10** |

# INT PS



## DIFFERENTIAL PRESSURE SWITCH

**MANUFACTURING FEATURES**

- The INT PS series are highly sensitive, adjustable differential pressure switches suitable for monitoring overpressure, vacuum and differential pressure of air or other non-combustible, non-aggressive gases. The switching pressure setpoint can be adjusted by means of a scaled calibrated knob; the switching ΔP - by a screwdriver and a pressure gauge.
- High sensitivity and accuracy.
- Product versions for a variety of pressure ranges.
- Adjustable switching point (ΔP).
- Long-term mechanical life.
- Protection standard IP54 (according EN 60529).
- Ambient conditions Temperature -20—85 °C, Rel. humidity < 95 % rh (non-condensing).

## INTERRUPTOR DE PRESIÓN DIFERENCIAL

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Las series INT PS incluyen interruptores de presión diferencial altamente sensibles, adecuados para la monitorización y el control de sobrepresión, vacío y presión diferencial de aire u otros gases incombustibles y no agresivos. El punto de ajuste (setpoint) de presión de conmutación se puede ajustar a través de un botón perilla (knob) con escala de calibración. La presión diferencial de conmutació ΔP puede ser ajustada por un destornillador o un manómetro.
- Alta sensibilidad y precisión.
- Distintas versiones del producto con diferentes alcances de presión.
- Punto de conmutación ajustable ΔP.
- Explotación mecánica a largo plazo.
- Estándar de protección IP54 (según EN 60529).
- Condiciones ambientales: Temperatura -20—85 °C, Humedad relativa <95 % humedad relativa (sin condensación).

| Code | Model | Pa Range | Max. current (A) | Voltage (VAC) | Weight Kg | R.R.P € |
|---|---|---|---|---|---|---|
| Código | Modelo | Intervalo Pa | I máx (A) | Tensión (VAC) | Peso Kg | P.V.P € |
| INTPS | INT PS 500 Pa | 50-500 | 1 | 250 | 0,14 | **72,60** |

# DPT 500



TRANSMITTER IS INTENDED TO DIFFERENTIAL MEASUREMENT IN AIR PRESSURE AND NON-AGGRESSIVE GASES

TRANSMISOR PARA MEDIR LA DIFERENCIA EN LA PRESIÓN DEL AIRE Y LOS GASES NO AGRESIVOS

**MANUFACTURING FEATURES**

The DPT 500 transmitter is intended to differential measurement in air pressure and non-aggressive gases.
Transmitter functions:
- Differential pressure measurement – measurement range depending on sensor used.
- Averaging the measured pressure difference.
- Calculation of flow from the measured differential pressure.
- Signaling alarms: too low or too high pressure, too low or too high flow.
- Signaling operation status using LED diode.
- Resetting measuring element.
- Restoring factory settings.
- Communication with external devices in RS-485 standard (Modbus RTU protocol).
- Output signal 0 –10 V proportional to measured differential pressure and including 8 configurable processing ranges.

**CARACTERÍSTICAS CONSTRUCTIVAS**

El transmisor DPT 500 está diseñado para medir la diferencia en la presión del aire y los gases no agresivos.
Funciones del transmisor:
- Medición de la presión diferencial - el rango de medición depende del sensor utilizado.
- Promediando la presión diferencial medida.
- Conversión de la presión diferencial medida en flujo.
- Condiciones de alarma: presión / flujo demasiado baja/alta.
- Indicación del estado de funcionamiento mediante un LED.
- Puesta a cero del elemento de medición.
- Restauración de los ajustes de fábrica.
- Comunicación con dispositivos RS-485 externos (protocolo Modbus Modbus RTU).
- Emitir una señal de salida de 0 a 10 V proporcional a la presión diferencial medida y tener en cuenta los rangos de procesamiento configurados.

| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| DPT500 | DPT 500 PA MODBUS INPUT 12-24VDC/12-15VAC OUTPUT:0-10V | **234,00** |

# SCO2 IAQ



$CO_2$, TEMPERATURE AND RELATIVE HUMIDITY SENSOR FOR AIR QUALITY MANAGEMENT

SENSOR DE $CO_2$, TEMPERATURA Y HUMEDAD RELATIVA PARA LA GESTIÓN DE LA CALIDAD DEL AIRE

**SENSORS**

Temperature:
- Sensor type: NTC.
- Measuring range: 0.0°C to 50.0°C.
- Sensor life: >10 years.

RH:
- Sensor type: capacitive with integrated electronic circuit.
- Measurement range: 0% to 100%.
- Sensor life: >10 years.

$CO_2$ (carbon dioxide):
- Sensor type: NDIR (Non-Dispersive Infrared detector). Dual sensor.
- Measurement range: 0ppm to 2000ppm.
- Sensor life: >5 years.
- Note: factory calibrated sensors. CO2 sensors calibration function.

**FUNCTIONS**

- Control function of the start/stop of the air purifier/Fan by means of digital output by voltage-free relay contact.
- Regulation function on the $CO_2$ of a fan with EC technology or a damper with 0-10V signal.
- Hourly and daily programming with two time slots per day available.
- Environmental measurements of temperature, relative humidity and $CO_2$.
- 0... 10V analog outputs for environmental measurements.
- $CO_2$ Measurement range: 0ppm to 2000ppm 0ppm: 0.0V ... 2000ppm: 10.0V.
- Electrical supply voltage: 100... 250V.
- Modbus serial communication channel for integration in centralized systems (BMS).
- Mounting in an indoor environment. Mounting base prepared for universal mechanism box.
- Easy connection: Plug & Play.

**SENSORES**

Temperatura:
- Tipo sensor: NTC.
- Rango de medida: 0,0°C a 50,0°C.
- Vida sensor: > 10 años.

Humedad relativa:
- Tipo sensor: Capacitivo con circuito electrónico integrado.
- Rango de medida: 0% a 100%.
- Vida sensor: > 10 años.

$CO_2$ (dióxido de carbono):
- Tipo sensor: NDIR (Non-Dispersive Infrared detector). Sensor dual.
- Rango de medida: 0ppm a 2000ppm.
- Vida sensor: > 5 años.
- Nota: Sensores calibrados de fábrica. Función de calibración de los sensores CO2.

**FUNCIONES**

- Función de control de la marcha/paro del purificador de aire/Ventilador mediante salida digital por contacto de relé libre de tensión.
- Función de regulación sobre el $CO_2$ de un ventilador con tecnología EC o una compuerta con señal 0-10V.
- Programación Horaria y Diaria con dos intervalos de tiempo al día disponibles.

Medidas ambientales de temperatura, humedad relativa y $CO_2$.
- Salidas analógicas 0...10V para las medidas ambientales.
- $CO_2$ Rango de medida: 0ppm a 2000ppm 0ppm: 0,0V... 2000ppm: 10,0V.
- Tensión eléctrica de alimentación: 100...250V.
- Canal de comunicación serie Modbus para integración en sistemas centralizados (BMS).
- Montaje en ambiente interior. Base de montaje preparada para caja universal de mecanismo.
- Facilidad de conexión: Plug & Play.

| Code / Código | Model / Modelo | R.R.P € / P.V.P € |
|---|---|---|
| SCO2 | SONDA DE CO2 CON LCD | **622,20** |

# DCO2



## TEMPERATURE, RELATIVE HUMIDITY AND CO2 DUCT PROBE FOR HEAT EXCHANGERS

**MANUFACTURING FEATURES**

Duct sensor for measuring temperature, relative humidity and CO2 in the rooms.
Optional: The CO2 modules can be removed from the sensor to be calibrated.

## SONDA DE TEMPERATURA, HUMEDAD REALATIVA Y CO2 PARA CONDUCTO EN RECUPERACIÓN DE ENERGÍA

**CARACTERÍSTICAS CONSTRUCTIVAS**

Sensor para conducto para medición de temperatura, humedad relativa y CO2 en las habitaciones.
Los módulos de CO2 se pueden extraer del sensor para calibrarlos.

| Code<br>Código | Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|---|
| DCO2ST | DCO2 | **558,90** |

# LARIDIS



## AUTOMATIC BEARING LUBRICATOR

**MANUFACTURING FEATURES**

- Two outputs with independently adjustable lubrication intervals.
- Easy integration in the operation of the machine.
- Simplification of the maintenance process.
- Dosage of quantities independent of the ambient temperature.
- Measurement of the back pressure up to the point of lubrication.
- Power supply: 24V DC or battery.
- Lubricant tank: 250 $cm^3$ cartridge.
- Wide operating temperature range: -20°C to + 70°C.
- Optional activation using an external control unit.
- Monitoring of motor operation and filling level.
- Good price / performance ratio.

## LUBRICADOR AUTOMÁTICO DE COJINETES

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Dos salidas con intervalos de lubricación ajustables independientemente.
- Fácil integración en el funcionamiento de la máquina.
- Simplificación del proceso de mantenimiento.
- Dosificación de cantidades independiente de la temperatura ambiente.
- Medición de la contrapresión hasta el punto de lubricación.
- Fuente de alimentación: 24V DC o batería.
- Depósito de lubricante: cartucho de 250 $cm^3$.
- Amplio rango de temperatura de funcionamiento: -20°C a +70°C.
- Activación opcional usando una unidad de control externa.
- Monitorización del funcionamiento del motor y nivel de llenado.
- Buena relación precio/rendimiento.

| Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|
| LARIDIS | **850,90** |

### LARIDIS CARTRIDGE | CARTUCHOS LARIDIS

| Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|
| CARTUCHOS LARIDIS | **66,00** |

# LENTICHEK



## VIBRATION MONITORING SYSTEM

**MANUFACTURING FEATURES**

- Record and analysis of vibration measurement signals
- Record of temperature signals
- Evaluation of the input signals
- Selective permanent control as a function of frequency
- Integration of up to three signals connected simultaneously
- Output switching and status sampling via LED
- Admission inputs of additional signals for integration into a main system.2V

## SISTEMA SUPERVISIÓN DE VIBRACIONES

**CARACTERÍSTICAS CONSTRUCTIVAS**

- Registro y análisis de señales de medición de vibraciones
- Registro de señales de temperatura
- Evaluación de las señales de entrada
- Control permanente selectivo en función de la frecuencia
- Integración de hasta tres señales conectadas simultáneamente
- Conmutación de salidas y muestreo de estado mediante LED
- Entradas de admisión de señales adicionales para la integración en un sistema principal.

| Model<br>Modelo | R.R.P €<br>P.V.P € |
|---|---|
| LENTICHECK | **2.559,00** |

# IEC



## THREE PHASE IEC MOTORS

### MANUFACTURING FEATURES

- Speeds: 2, 4 and 6.
- Mounting form: IM B3 (IM 1001).
- Supply: 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Closed motors with forced ventilation.
- IP 55 protection.
- Class F insulation.
- Service S1.
- Mounting form: B3.

### UNDER REQUEST

- 2 speeds motors.
- Single phase motors. 15% additional cost.
- Other mounting forms:
- B5: 5% additional cost.
- B14: 5% additional cost.

## MOTORES IEC TRIFÁSICOS

### CARACTERÍSTICAS CONSTRUCTIVAS

- Velocidades: 2, 4 y 6.
- Forma constructiva IM B3 (IM 1001).
- Alimentación trifásica 230/400V 50Hz hasta 4kW y 400/690V 50Hz para potencias superiores. Motores IE4 para potencias de 75kW o mas.
- Motores cerrados con ventilación exterior.
- Grado de protección IP 55.
- Aislamiento clase F.
- Servicio S1.
- Forma constructiva: B3.

### BAJO DEMANDA

- Motores de 2 velocidades.
- Motores monofásicos. Añadir 15% en el PVP.
- Otras formas constructivas:
- B5: añadir 5% en el PVP
- B14: añadir 5% en el PVP.

| Power kW | Voltage V | 2 POLE | | | 4 POLE | | | 6 POLE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Code 2 pole | R.R.P € | Motor size | Code 4 pole | R.R.P € | Motor size | Code 6 pole | R.R.P € | Motor size |
| Potencia kW | Voltaje V | 2 POLOS | | | 4 POLOS | | | 6 POLOS | | |
| | | Código 2 polos | P.V.P € | Tamaño constructivo | Código 4 polos | P.V.P € | Tamaño constructivo | Código 6 polos | P.V.P € | Tamaño constructivo |
| 0,18 | 230/400 | 721001011 | **198,70** | 63 | 721001119 | **225,90** | 63 | 721001218 | **240,60** | 71 |
| 0,25 | 230/400 | 721001017 | **213,30** | 63 | 721001125 | **244,70** | 71 | 721001224 | **305,20** | 71 |
| 0,37 | 230/400 | 721001022 | **242,50** | 71 | 721001131 | **276,00** | 71 | 721001230 | **301,10** | 80 |
| 0,55 | 230/400 | 721001031 | **263,40** | 71 | 721001137 | **349,10** | 80 | 721001236 | **407,80** | 80 |
| 0,75 | 230/400 | 721001038 | **405,70** | 80 | 721001143 | **390,10** | 80 | 721001250 | **533,90** | 90 S |
| 1,1 | 230/400 | 721001043 | **432,60** | 80 | 721001149 | **445,20** | 90 S | 721001150 | **568,60** | 90L |
| 1,5 | 230/400 | 721001048 | **498,30** | 90 S | 721001155 | **522,50** | 90 L | 721001254 | **708,00** | 100L |
| 2,2 | 230/400 | 721001053 | **568,00** | 90 L | 721001161 | **651,20** | 100 L | 721001260 | **866,50** | 112M |
| 3 | 230/400 | 721001059 | **745,60** | 100 L | 721001168 | **787,40** | 100 L | 721001262 | **1.226,30** | 132 S |
| 4 | 230/400 | 721001065 | **857,70** | 112 M | 721001174 | **964,00** | 112 M | 721001270 | **1.404,20** | 132 M |
| 5,5 | 400/690 | 721001072 | **1.212,30** | 132 S | 721001181 | **1.247,30** | 132 S | 721001274 | **1.678,80** | 132 M |
| 7,5 | 400/690 | 721001082 | **1.344,50** | 132 S | 721001187 | **1.490,30** | 132 M | 721001277 | **2.602,10** | 160 M |
| 11 | 400/690 | 721001086 | **2.373,00** | 160 M | 721001189 | **2.391,70** | 160 M | 721001281 | **2.673,30** | 160 L |
| 15 | 400/690 | 721001091 | **2.620,10** | 160 M | 721001191 | **2.716,20** | 160 L | 721001291 | **3.507,20** | 180 L |
| 18,5 | 400/690 | 721001093 | **2.991,40** | 160 L | 721001193 | **3.434,10** | 180 M | 721001293 | **4.388,50** | 200 L |
| 22 | 400/690 | 721001094 | **3.739,10** | 180 M | 721001195 | **3.665,40** | 180 L | 721001294 | **4.832,80** | 200 L |
| 30 | 400/690 | 721001095 | **4.784,00** | 200 L | 721001196 | **4.959,60** | 200 L | 721001296 | **6.358,80** | 225 M |
| 37 | 400/690 | 721001096 | **5.287,30** | 200 L | 721001197 | **6.099,00** | 225 S | 721001297 | **7.828,60** | 250 M |
| 45 | 400/690 | 721001097 | **6.606,00** | 225 M | 721001198 | **6.822,50** | 225 M | 721001298 | **9.741,50** | 280 S |
| 55 | 400/690 | 721001088 | **8.251,30** | 250 M | 721001199 | **8.455,00** | 250 M | 721001299 | **11.074,70** | 280 M |
| 75 | 400/690 | 721001455 | **12.594,60** | 280 S | 721001401 | **12.676,40** | 280 S | 721001300 | **19.256,60** | 315 S |
| 90 | 400/690 | 721001458 | **13.695,90** | 280 M | 721001404 | **14.089,40** | 280 M | 721001301 | **21.603,10** | 315 M |
| 110 | 400/690 | 721001460 | **20.936,80** | 315 S | 721001406 | **20.712,70** | 315 S | 721001302 | **25.082,10** | 315 L |

# º Technical concepts

º Conceptos técnicos



## HOW TO ACCESS TO THE SELECTION SOFTWARE
## CÓMO ACCEDER AL PROGRAMA DE SELECCIÓN

Access is available from any device (pc, mobile and tablet) and any operating system.
Type www.casals.com/fanware into a browser with internet connection, browse in our website www.casals.com or scan this QR for direct access.

Everyone has free access to Fanware but the possibilities will be larger once registered and even more being a registered customer of Casals. Discover in our website the advantages of each kind of user, like customize the technical reports, download certificates, user manuals and many other available options.

Puede acceder desde cualquier dispositivo (pc, móvil o tableta) y sistema operativo.
Escriba www.casals.com/fanware en un navegador y con conexión a Internet, busque el acceso en nuestra web www.casals.com o escanee este código QR y accederá directamente.

Cualquiera puede acceder gratuitamente al Fanware pero las opciones serán muchas más si se registra en el sistema y más aún si es un cliente de Casals. Descubra en nuestra web las ventajas que tiene cada tipo de usuario, como poder personalizar los informes técnicos, descargar certificados, manuales y muchas otras opciones.

## HOW TO SELECT A PRODUCT
## CÓMO HACER SELECCIONES DE PRODUCTO

You can access to any of our products from the website catalogue, or from main Fanware page using any of the following ways of search:
Search for reference or code
Choose the fan serie from a list
Filtering the type of fan
Calculating a flow rate-static pressure operating point

Once you made the search, the software will list all the appropriate fans and the following information for each product:
Curve: static pressure, dynamic pressure, total pressure, absorbed power, efficiency, resistive curve and acoustic spectrum.
Dimensions: dimensions table and diagram.
Wiring diagram.
General data: product technical description and ErP compliance data.
Accessories: model and size of the accessory according to the selected model of fan.
Spare parts: explosion drawing of spare parts for the selected model of fan.
Documentation: all the available documentation like declaration of conformity, certificates, manuals, brochures, etc.

Not only can you see the information pertaining to a single fan model but may make comparisons with many others.
Both fans, accessories and spare parts appear with the code to facilitate your order.

Puede acceder a cualquiera de nuestros productos a partir del catálogo expuesto en la web o bien desde la página principal del Fanware mediante distintas formas de búsqueda:
Por buscador de referencia o código
Escogiendo la serie en un listado
Filtrando el tipo de ventilador
Por cálculo de un punto caudal-presión estática

El programa le ofrecerá un listado de los ventiladores que se adecuan a su búsqueda y para cada uno de ellos se mostrará la siguiente información:
Curva: presión estática, presión dinámica, presión total, potencia absorbida, rendimiento, curva resistiva y espectro sonoro.
Dimensiones: tabla de dimensiones y esquemático.
Esquema de conexiones.
Datos generales: descripción técnica del producto y datos de cumplimiento de ErP.
Accesorios: modelo y tamaño del accesorio correspondiente al modelo concreto de ventilador seleccionado.
Recambios: despiece de las piezas de recambio existentes para el modelo de ventilador seleccionado.
Documentación: toda la documentación existente como declaración de conformidad, certificado, manuales, folletos, etc.

No sólo podrá ver la información perteneciente a un único modelo de ventilador sino de toda la serie completa y hacer comparativas con muchos otros.
Tanto ventiladores, accesorios como recambios aparecen con el código correspondiente para facilitar su pedido.

## FANWARE ADVANTAGES
## VENTAJAS DE FANWARE

The development of Fanware aims to facilitate the work of our customers when doing searches and budgeting. So there among the options offered for the extraction of reports, there is the possibility of adding the logo of their company. In addition, it is available in multiple languages and with one click you can change from 50 to 60Hz accessing the configuration options.

By accessing by username and password, the preferences of each user are saved and there is not need to change them every time you connect. This is very useful considering that Fanware allows combinations in terms of flow, pressure, temperature and length. This where you can change the default language that the browser will detect in your first connection.

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## PARKING VENTILATION
## VENTILACIÓN EN APARCAMIENTOS

Underground car parks require ventilation to reduce the levels of pollution produced by the gas emissions generated by the vehicles, but also to aerate the smoke generated in case of fire and to help the extinguishing teams (Fire Fighters).

Depending on the country, different regulations are applied. In Spain, the regulation in force is the Technical Building Code of 2011 which follows the English standard BS-7346-7 and the NBN S 21-208-2 considering these rules as suitable for its application in projects for the control of smoke and heat in parking. Currently, all ventilation projects on parking are already being carried out based on part 9-Impulse ventilation to achieve smoke clearance, part 10-Impulse ventilation to assist firefighting access (smoke control) and part 11-Impulse ventilation to protect means of escape. This regulation also establishes in other parts the criteria of ventilation in case of fire with other extraction systems; as for example, smoke ventilation by natural dissipation in section 7 or conventional mechanical extraction in section 8.

The main difference between the requirements of the CTE and the requirements of BS-7346-7 lies on the dimensioning of the ventilation system in relation to the extraction flow of the system.

Los aparcamientos subterráneos requieren de ventilación para reducir los niveles de contaminación producidos por las emisiones de gas que generan los vehículos, pero también para airear el humo generado en caso de incendio y así ayudar a los equipos de extinción.

Dependiendo del país se aplican distintas normativas, en España, por ejemplo, se rige por la aceptación del Código Técnico de la Edificación de 2011 siguiendo la norma inglesa BS-7346-7 considerando dicha norma como adecuada para su aplicación en los proyectos de instalaciones para el control del humo y el calor en garajes. En la práctica todos los diseños de sistemas de ventilación por impulso en aparcamientos se estaban realizando ya mediante el citado apartado 9 Ventilación de impulso, para disipación de humo de dicha norma BS-7346.7, la cual establece también mediante otros apartados los criterios de ventilación en caso de incendio mediante otros tipos de sistemas como la ventilación de humo por disipación natural en su apartado 7 o la extracción mecánica convencional en su apartado 8.

Una de las principales diferencias entre los requerimientos del CTE y los requerimientos de la BS-7346-7 radica en el dimensionado del sistema de ventilación en relación con el caudal de extracción del sistema.





Nowadays, the use of impulse ventilation systems (jet fans) is becoming the European reference in parking ventilation. There are two main concepts that must be clear before carrying out the CFD study of the parking lot, the Smoke Control concept and the Smoke Clearence.

The Smoke Control technique consists on providing the emergency teams with a smoke-free zone near the location of the fire.

1. Detecting the focus of the fire at a specific point in the parking lot, allowing emergency teams to easily and quickly identify the fire.
2. Moving the smoke and heat from the focus of the fire to a specific point or points of extraction.
3. Creating a smoke-free or clear visibility zone, which allows emergency teams to see and extinguish the fire generated in the parking lot.

En la actualidad el uso de los sistemas de ventilación por impulsos (jet fans) se esta convirtiendo en la referencia a escala europea en ventilación para aparcamientos. Existen dos conceptos que hay que tener claros antes de realizar el estudio CFD del aparcamiento, el concepto Smoke Control y el Smoke Clearence.

La técnica del Smoke Control consiste en proveer a los equipos de emergencias de una zona libre de humo cercana a la localización del fuego.

1. Detectando el origen del fuego en un punto específico del aparcamiento permitiendo a los equipos de emergencia una fácil y rápida identificación del fuego.
2. Impulsando el humo y calor desde la localización del fuego hacia un punto o puntos de extracción específico.
3. Creando una zona libre de humo o de clara visibilidad, que permite a los equipos de emergencias ver y extinguir el fuego generado en el aparcamiento.

| COUNTRY | REGULATIONS |
|---|---|
| PAÍS | NORMATIVA |
| United Kingdom \| Reino Unido (UK) | BS 7346-7:2013 |
| Spain \| España | CTE 2011 & UNE 100166 |
| Belgium \| Bélgica | NBN S 21-208-2 |
| Portugal | NP 4540 – 2015 & 1532/2008 |
| Europe \| Europa | EN 12101-11 |

The Smoke Clearance technique on the other hand consists in assisting the emergency teams by dissipating the smoke during and after the fire in the parking.

1. Allowing a fast dissipation of smoke once the fire has been turned off2. Moving the smoke and heat from the focus of the fire to a specific point or points of extraction.
2. The ventilation also allows to reduce the density of the smoke and the temperature during the fire.
3. This system doesn't intend to keep any area of the parking lot free of smoke. Smoke Clearance aims to limit the density of smoke and temperature for any possible case and to assist people in the parking lot by helping them find emergency exits.

In Europe, each country has a requirement regarding the different ventilation air flow rates. Check the table below where you can check the extraction rates in case of fire in the following countries following the concept of smoke clearance:

La técnica del Smoke Clearance por otro lado consiste en asistir a los equipos de emergencias disipando el humo del aparcamiento durante y después del fuego.

1. Permite una rápida disipación del humo una vez el fuego ha sido apagado.
2. La ventilación permite también reducir la densidad del humo y la temperatura durante el transcurso del fuego.
3. Este sistema no pretende mantener ninguna área del aparcamiento libre de humo, sino que pretende limitar la densidad del humo y/o temperatura para cualquier caso o también para asistir a las personas dentro del parking ayudándoles a encontrar las salidas de emergencia.

A nivel europeo cada país cuenta con un requerimiento en cuanto al caudal de ventilación diferente a continuación pueden consultar los caudales de extracción en caso de incendio de los siguientes países siguiendo el concepto smoke clearence:

| COUNTRY<br>PAÍS | Extraction Airflow in case of fire<br>Caudal de extracción en caso de incendio |
|---|---|
| Spain \|<br>España | 150 l/s ·car = 540 m³/h · car (6 renovations/hour for a parking of 3m high).<br>150 l/s ·coche = 540 m³/h · coche (6 renovaciones/hora para un parking de 3m de altura). |
| United Kingdom \|<br>Reino Unido | 10 renovations/hour.<br>10 renovaciones/hora. |
| Holland \|<br>Holanda | 10 renovations/hour.<br>10 renovaciones/hora. |
| France \|<br>Francia | 900 m³/h car in parking without sprinklers (10 renovations/hour for a parking of 3m high). 600 m³/h· car in parking with sprinklers (6,7 renovations/hour for a parking of 3m high).<br>900 m³/h · coche para parkings sin rociadores (10 renovaciones/hora para un parking de 3m de altura) 600 m³/h· coche para parkings con rociadores (6,7 renovaciones / hora para un parking de 3m de altura). |
| Portugal \|<br>Portugal | 600 m³/h · car (6,7 renovations/hour for a parking of 3m high).<br>600 m³/h · coche (6,7 renovaciones/hora para un parking de 3m de altura). |
| Italy \|<br>Italia | 300 m³/h · car (3,3 renovations/hour for a parking of 3m high).<br>300 m³/h · coche (3,3 renovaciones/hora para un parking de 3m de altura). |
| Turkey \|<br>Turquía | 10 renovations per hour.<br>10 renovaciones por hora. |

For a proper selection of the fans in a car park in accordance with current regulations, a study is necessary to perform the computational fluid dynamics analysis (CFD), which allows us to perform the calculations and design of the installation.
The hypotheses that should be studied in the CFD analysis are:

- Normal pollution ventilation (NPV) throughout the car park. Performing a drive at lower speed, which is activated thanks to the CO detection system.
Emergency mode (EM) for smoke dissipation. Performing a high-speed drive activated by the fire detection system.

Studying these two hypotheses in the CFD, it allows us to know the locations and the air flow needs of the different ventilation equipment, so that there are no areas of smoke stagnation in the entire surface of the car park.

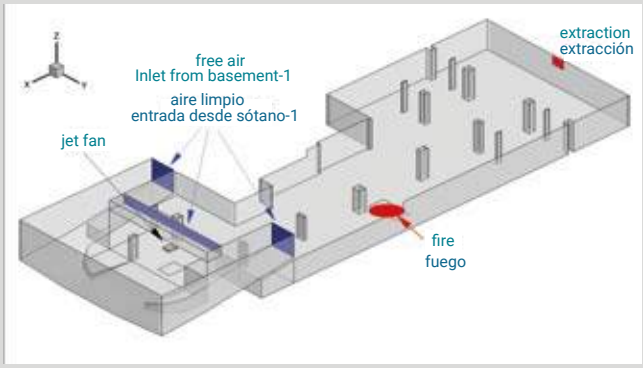
Example of a CFD simulation:

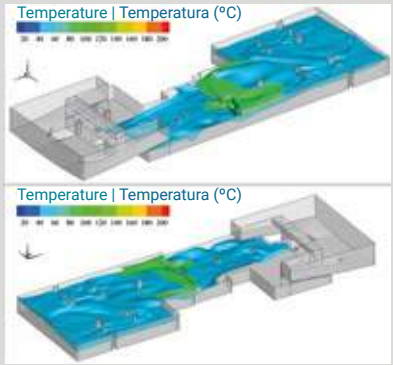
Para una correcta selección de los ventiladores en un aparcamiento acorde a las normativas vigentes es necesario un estudio para poder realizar el análisis de dinámica de fluidos computacional (CFD), que nos permita hacer los cálculos y diseño de la instalación.
Las hipotesis que se deben analizar en el análisis CFD son:

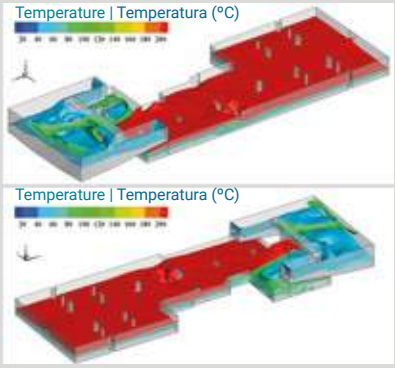
- Ventilación normal de la polución (NPV) en todo el aparcamiento. Realizando una impulsión a menor velocidad, que se activa gracias al sistema de detección de CO.
- Modo de emergencia (EM) para la disipación del humo. Realizando una Impulsión a alta velocidad activada por el sistema de detección de incendios.

Analizando estas dos hipótesis en el CFD, nos permite conocer las ubicaciones y las necesidades de caudal de los diferentes equipos, para que no haya zonas de estancamiento de humos en toda la superficie del aparcamiento.

Ejemplo de simulación de CFD:



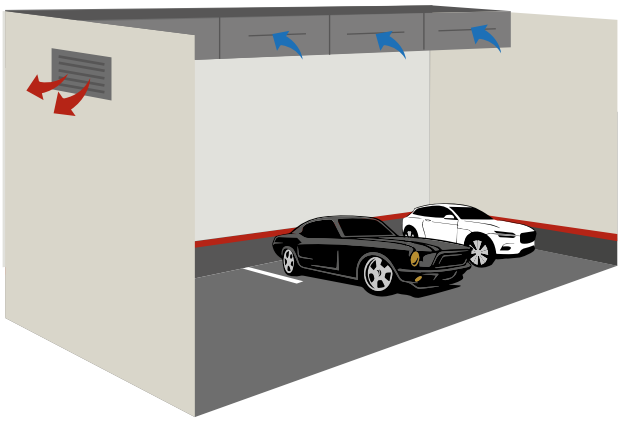
## JET FANS
## VENTILADORES DE IMPULSO

| | | |
|---|---|---|
|  JF CONFORT |  JF F400 |  JF F300 |
|  JFC CONFORT |  JFC F400 |  JFC F300 |
|  SYBILO CONFORT |  SYBILO F400 |  SYBILO F300 |



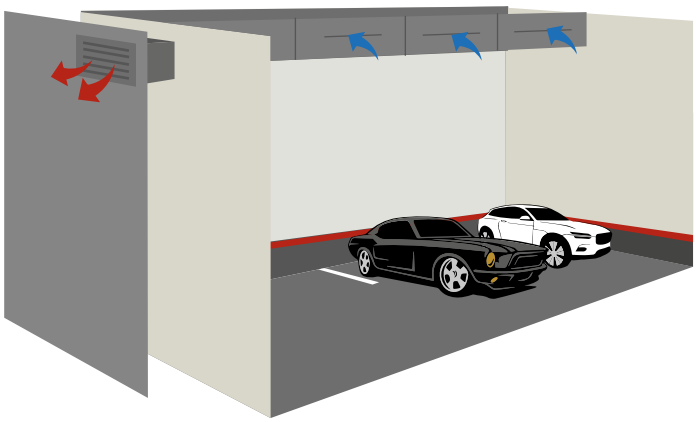
## INSIDE
## INMERSOS

| | | | | |
|---|---|---|---|---|
|  HBF F400 |  HBFX F400 |  HBF F300 |  HBFX F300 |  HCF F400 |
|  HCFX F400 |  HCF F300 |  HCFX F300 |  HMF F400 |  HMFX F400 |
|  HMF F300 |  HMFX F300 |  BOX HBF F400 |  BOX HBFX F400 |  BOX HBF F300 |
|  BOX HBFX F300 |  IGNÉO F400 |  BOX RLF |  BOX RLFX | |



## OUTSIDE
## A TRASIEGO

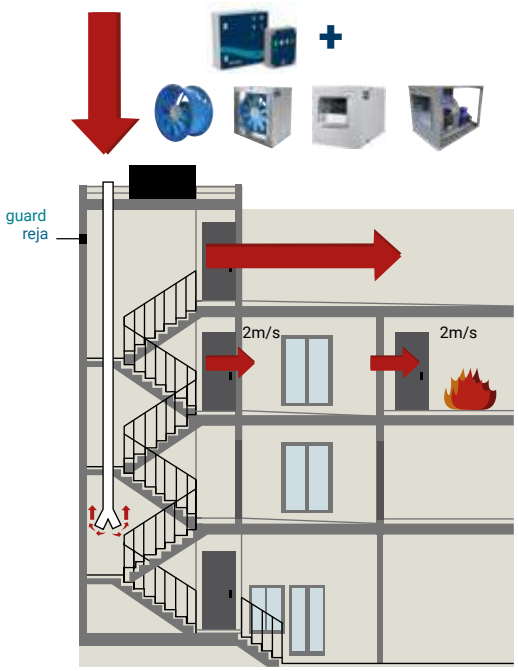
| | | | |
|---|---|---|---|
|  CTH3-A F400 |  BVFC F400 |  DHUMAT F400 |  BOX BSTB F400 |



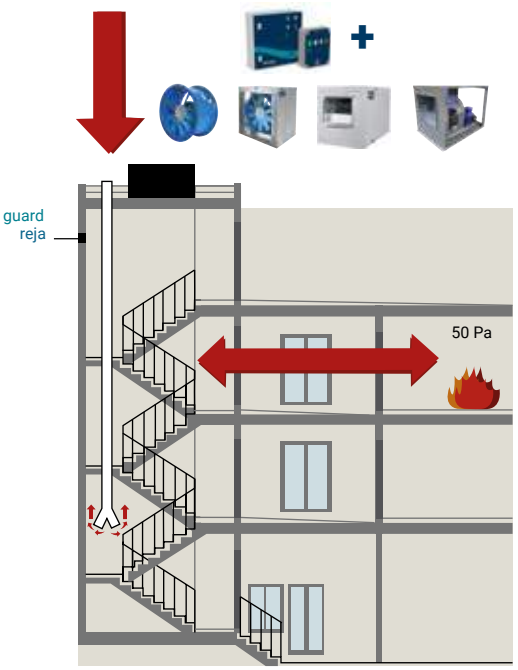
## STAIR PRESSURIZATION
## PRESURIZACIÓN DE ESCALERAS

The UNE-EN 12101-6 standard describes the differential pressure systems applied to escape ways, specially in protected stairs. These systems are based on the mechanical injection of outdoor air to the stair box, generating in this way a positive pressure that prevents the products of combustion from getting in the escape ways. In case of fire, the system helps in the evacuation process of the occupants by avoiding or reducing the vertical spread of the fire.
The needed flow will depend on the design conditions of the building. In general terms, an air speed through open sections of 0.75m/s will be used when the stair is used as an escape way for occupants, and of 2m/s when the stair is used by the fire extinguishing personnel.
The pressurization system must keep a differential pressure of 50Pa and overcome the pressure drop of the installation.
An automatic system consisting of a control panel (KIT-PE) and an air supply unit (any fan for air supply) that will provide the stairs or the escape route with enough pressure.

La UNE-EN 12101-6 describe los sistemas de presión diferencial que se aplican en las vías de escape, especialmente las escaleras protegidas. Estos sistemas se basan en la inyección mecánica de aire exterior a la caja de escalera con lo que se genera una presión positiva que impide el ingreso de los productos de combustión dentro de las vías de escape. Su instalación ayuda a realizar la evacuación de ocupantes en caso de incendio ya que evita o disminuye su propagación vertical.
El caudal necesario variará en función de las condiciones de diseño del edificio. A grandes rasgos, se impondrá una velocidad de paso de 0.75m/s cundo la escalera sea usada como medio de escape de ocupantes y de 2m/s cuando sean empleadas por los servicios de extinción.
El sistema de presurización deberá ser capaz de mantener un diferencial de presión de 50Pa, además de vencer las pérdidas de carga de la instalación.
Se propone la instalación de un sistema automático formado por un cuadro de control (KIT- PE) y una unidad de impulsión (cualquier ventilador para aportación de aire) que dotará las escaleras o la vía de escape de la presión suficiente.




Air speed criterium.
Criterio de velocidad del aire.




Differential pressure criterium (with all doors closed).
Criterio de diferencia de presión (con todas las puertas cerrradas).

## EXTRACTION AND VENTILATION SYSTEMS IN KITCHENS
## SISTEMAS DE EXTRACCIÓN Y VENTILACIÓN EN COCINAS

Ventilation in residential, professional and industrial kitchens is vital moreover in the adjoining rooms also, to guaranty the comfort, safety and health of the people in them. The two main systems to obtain a good ventilation are the extraction and supply; according to the regulations of each country and to meet the standards of hygiene, health, safety and energy savings.

**1. Requirements**
A good ventilation in kitchens and the adjoining rooms must fulfill the following requirements:
• Security: It's important that the work environment is safe and healthy for the people inside.
• Maintenance, cleaning and hygiene: the installed equipment must have a rigorous and periodic maintenance, as well as be always clean to avoid diseases or sparks of the equipment. That is why the equipment must be accessible and easy to maintain.
• Comfort: the ventilation systems must provide a correct temperature in certain areas of the kitchen and near rooms but also ensure a low sound level that doesn't harm the people who are in them.
• Energy saving: it is essential to achieve a good extraction and supply of the air that guarantees all the goals set beforehand and also to achieve the minimum possible energy loss.

La ventilación es vital en las cocinas particulares, profesionales e industriales e incluso en sus salas adyacentes para el confort, higiene y seguridad de las personas que están en ellas. Los dos sistemas principales para obtener una buena ventilación son la captación y la extracción; acordes a las normativas de cada país y cumpliendo así con los objetivos de higiene, salud, seguridad y ahorro energético marcados.

**1. Requisitos**
Una correcta ventilación en cocinas y las salas adyacentes debe cumplir con los siguientes requisitos:
• Seguridad: es importante que el ambiente de trabajo sea seguro y saludable para las personas que están dentro.
• Mantenimiento, limpieza e higiene: los equipos instalados deben tener un mantenimiento riguroso y periódico, así como estar siempre limpios para evitar enfermedades o chispas de los equipos. Es por lo que los equipos deben ser accesibles y de fácil mantenimiento.
• Confort: los sistemas de ventilación deben proporcionar una correcta temperatura en las zonas determinadas y garantizar un bajo nivel sonoro que no perjudique a las personas que están en ellas.
• Ahorro energético: es clave conseguir una correcta extracción y aportación de aire que garantice todos los objetivos planteados previamente y además consiguiendo el mínimo gasto energético posible.

2. Regulations

Casals Ventilation manufactures all the necessary fans for the correct extraction and supply of air according to the following regulations:

| | |
|---|---|
| UNE 100-165-04 | Smoke Extraction and ventilation in kitchens. (Spain).<br>Extracción de humos y ventilación en cocinas. |
| C. T. E. DB SI 1– Inner propagation \| Propagación interior | Edification Technical Code – Fire Security. (Spain).<br>Código Técnico Edificación – Seguridad Incendios. |
| RITE | Regulation of Thermic Installations in Buildings. (Spain).<br>Reglamento de instalaciones térmicas en los edificios. |
| ERP 327/2011 | Eco-design Directive ERP.<br>Directiva europea de ecodiseño. |
| UNE-EN 12101-3:2016 | Smoke and Heat Control Systems - Part 3: Specification for Powered Smoke and Heat Control Ventilators (Fans).<br>Sistemas de control de humo y calor. Parte 3: Especificación para aireadores mecánicos de control de humo y calor (ventiladores). |
| UNE-EN 16282-1:2017 | Equipment for Commercial Kitchens - Components for Ventilation of Commercial Kitchens - Part 1: General Requirements Including Calculation Method.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 1: Requisitos generales incluyendo el método de cálculo. |
| NE-EN 16282-2:2017 | Equipment for Commercial Kitchens - Components for Ventilation in Commercial Kitchens - Part 2: Kitchen Ventilation Hoods - Design and Safety Requirements.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 2: Campanas de ventilación de cocinas. Diseño y requisitos de seguridad. |
| UNE-EN 16282-3:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 3: Kitchen ventilation ceilings; Design and safety requirements.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 3: Techos de ventilación de cocinas. Diseño y requisitos de seguridad. |
| UNE-EN 16282-4:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 4: Air inlets and outlets; Design and safety requirements.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 4: Entradas y salidas de aire; diseño y requisitos de seguridad. |
| UNE-EN 16282-5:2017 | Equipment for Commercial Kitchens - Components for Ventilation in Commercial Kitchens - Part 5: Air Duct; Design and Dimensioning.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 5: Conductos de aire. Diseño y dimensionamiento |
| UNE-EN 16282-6:2017 | Equipment for Commercial Kitchens - Components for Ventilation in Commercial Kitchens - Part 6: Aerosol separators Design and security requirements.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 6: Separadores de aerosoles. Diseño y requisitos de seguridad. |
| UNE-EN 16282-7:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 7: Installation and use of fixed fire suppression systems.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 7: Instalación y uso de sistemas de supresión del fuego fijos. |
| UNE-EN 16282-8:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 8: installations for treatment of aerosol - Requirements and testing.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comer ciales. Parte 8: Instalaciones para el tratamiento de los humos de cocinado. Requisitos y ensayos. |
| UNE-EN 16282-9:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 9: Capture performance and retention of extraction systems. Test methods.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 9: Rendimiento de captación y retención de los sistemas de extracción. Métodos de ensayo. |
| BS EN 16282-7:2017 | Equipment for commercial kitchens. Components for ventilation in commercial kitchens. Installation and use of fixed fire suppression systems.<br>Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Instalación y uso de sistemas de supresión del fuego fijos. |

**2. Regulation**

The regulations and regulations in force on ventilation in kitchens are variants depending on the countries. Casals Ventilación offers a wide range of products that tries to adapt and comply with all of them.

**3. Main goals to accomplish in ventilation of kitchens**

Complying with the requirements of safety, energy saving, maintenance, hygiene, comfort and international regulations mentioned above, we conclude that a good extraction and ventilation system in kitchens must meet the following 4 goals:

1. Extract the dirty and stale air from the inside of the kitchens to the outside of the building, so that the kitchen and the adjacent areas are not contaminated. This way the smells, grease particles and harmful gases are reduced for professionals and assistants inside. It is also important to extract the heat and humidity that occurs due to the different reactions that take place inside the kitchen.

2. The clean air must be induced from the outside avoiding that the extracted air reenters the kitchen due to a bad calibration of the system of impulsion and/or extraction. Achieving a comfortable and energy-efficient climatization thanks to the induction of air in the kitchen normally at a lower temperature than the extracted air.

3. The necessary requirements for healthy, hygienic, comfortable and safety environments for the professionals and assistants must be maintained therefore the standards are defined by the different international regulations and legislations. It is very important to install good systems to eliminate smells and retain all the grease particles, to avoid the exit of contaminating particles or the inhalation of them inside the installations.

4. The air renewal inside the kitchen and adjacent rooms must be maintained at appropriate and specific temperatures according to the specified requirements of each room. It is important that when the air is extracted or inducted, they do not mix, producing an inefficient and harmful air renewal in the different rooms and kitchen.

**4. Other technical data to achieve the goals and requirements of a good ventilation in kitchens**

Always that the installed power of the elements destined to the preparation of food in the professional kitchens is superior to 20kW, they will be classified as special risk areas. The ducts must be independent of any other extraction or ventilation. The mechanical smoke

2. Normativa

Casals Ventilación fabrica todos los ventiladores necesarios para la correcta extracción y aportación de aire según las siguientes normativas:

**2. Normativa**

Las normativas y reglamentos vigentes sobre ventilación en cocinas son variantes dependiendo de los países. Casals Ventilación ofrece una amplia gama de productos que trata de adaptarse y cumplir con todas ellas.

**3. Objetivos de la ventilación en cocinas**

Cumpliendo con los requisitos de seguridad, ahorro energético, mantenimiento, higiene, confort y normativas internacionales mencionados anteriormente, concluimos que un buen sistema de extracción y ventilación en cocinas debe cumplir con los 4 objetivos siguientes:

1. Extraer el aire sucio y viciado del interior de las cocinas hacia fuera del recinto, para que la cocina y las áreas adyacentes no sean contaminadas. Así, se reducen los olores, partículas de grasa y gases perjudiciales para los profesionales y asistentes dentro. Es importante extraer también el calor y la humedad que se produce a causa de las distintas reacciones que se llevan a cabo dentro de la cocina.

2. Se debe inducir el aire limpio del exterior evitando que el aire extraído vuelva a entrar en la cocina por culpa de un mal calibrado del sistema de impulsión y/o extracción. Consiguiendo así una climatización confortable y energéticamente eficiente gracias a la entrada del aire inducido normalmente a menor temperatura que el aire extraído.

3. Se deben mantener unos requisitos necesarios de salud, higiene, confort y seguridad de los profesionales y asistentes marcados por las distintas normativas y legislaciones internacionales. Por consiguiente, es muy importante instalar buenos sistemas de eliminación de olores y captación de partículas grasas, para evitar la salida al exterior de partículas contaminantes o la inhalación de ellas en el interior de las instalaciones.

4. La renovación del aire en el interior de la cocina y salas adyacentes debe mantenerse a unas temperaturas adecuadas y específicas según las exigencias marcadas de cada sala. Es importante que cuando se extraiga o impulse el aire, éstos no se mezclen produciendo una renovación del aire ineficiente y perjudicial en las distintas salas.

**4. Otros datos técnicos para lograr los objetivos y requisitos de una buena ventilación en cocinas**

Siempre que la potencia instalada de los elementos destinados a la preparación de alimentos en las cocinas profesionales sea superior a 20kW, serán clasificados como locales de riesgo especial. Sus conductos deben ser independientes de cualquier otra

and heat extractors will have a fire classification F400/2 hour. In the case where the total cooking power is higher than 25 kW the extraction will be mandatory and therefore the mechanical supply of air as well, but in the case where the total cooking power is lower than 25kW only mechanical extraction will be required.

The air flow of an extraction will be calculated from a suction speed from the free perimeter respect to the height of the hood. The suction speed of the base of the hood will depend on the open sides. A suction speed of 0.6 m/s is recommended in island-type hoods (four open sides), 0.45 m/s for hoods with 3 open sides, for hoods with 2 open sides 0.35 m/s for the hoods with only one open side 0.25 m/s.

To achieve an adequate thermal comfort Casals Ventilation recommends that the ambient air inside the kitchen oscillates between 18ºC and 26ºC with humidity levels around 30% to 65% RH. Casals also recommends a maximum acoustic level of 60 dBA within the work area (unit value of the sound level produced by ventilation only) to achieve an adequate acoustic comfort. Hygiene should have a maximum depression of 10% established in the kitchen. As we have mentioned before, the induction of fresh air must be from the outside, it cannot be air recycled from other rooms. Regarding filtration, standard levels recommended according to IDA2 (EN13779) = the average indoor air quality with F8-F9.

extracción o ventilación. Los extractores de humos y calor mecánicos tendrán una clasificación de fuego F400/2horas. En el caso en que la potencia de cocción total sea > 25 kW la extracción será obligatoria y por tanto el suministro mecánico de aire también, pero en el caso en que la potencia de cocción total sea < 25kW solo se requerirá de una extracción mecánica.

El caudal de extracción se calculará a partir de una velocidad de captación del perímetro libre respecto a la altura de la campana. La velocidad de captación de la base de la campana variará en función de los lados que ésta presente abiertos. Se recomienda una velocidad de captación de 0,6 m/s en campanas tipo isla (cuatro lados abiertos), 0,45 m/s para campanas con 3 lados abierto, para las campanas que presentan 2 lados abiertos 0,35 m/s y para las campanas con un solo lado abierto 0,25 m/s.

Para lograr un adecuado confort térmico Casals Ventilación recomienda que el aire ambiente dentro de la cocina oscile entre 18ºC y 26ºC con unos niveles de humedad del 30% al 65%HR. Recomendamos también un nivel acústico máximo de 60 dBA dentro de la zona de trabajo (valor unitario de nivel sonoro producido por la ventilación únicamente) para lograr un confort acústico adecuado. La higiene debe tener una depresión máxima del 10% establecida en la cocina. Como bien hemos remarcado anteriormente la inducción de aire fresco debe ser desde el exterior, no puede ser aire reciclado de otras salas. En cuanto a filtración se recomienda unos niveles estándares según IDA2 (EN13779) = calidad promedio del aire interior F8-F9.

## º Smoke extraction | Extracción de humo

### ºº F400 Outside | A trasiego


CTH3


CTH3-A


BOX BSTB


BVFC


DHUMAT


KENTALROOF-A


KENTALROOF

### ºº F400 Inside | inmerso


IGNÉO


HBF


HCF


HMF


BOX HBF


BOX RLF

### ºº Unclassified | No clasificado


KENTALCOOK

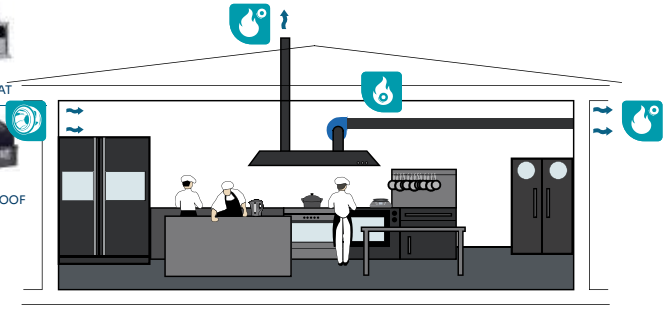

CTH4



STELLAR BLAST


ENKELROOF EEC


ENKELROOF-A EEC



## º Air supply | Aportación de aire


TWIN BOX BV


TWIN BOX BD PLUS


TWIN BOX BD EEC


TWIN BOX BD AC & EEC


BOX BD


BOX RL


ENKELBOX EEC


KENTALBOX PLUS


BOX RLQ PLUS


BOX BD PLUS


BOX BV PLUS


BOX BD FILTER


BOX BV FILTER


SB & SBC EEC


SB & SBC FILTER EEC


HB & HBA


HC & HCA


HC & HCA EVO EEC


HM & HMA


HM & HMA EVO EEC

# ATEX CLASSIFICATIONS
# CLASIFICACIONES ATEX

## 1. Introduction

In many industrialized countries, during manufacturing, treatment, transport and storage of inflammable substances gases, vapors or mists are produced or leaked into the environment.

In industrial manufacturing process inflammable dust can also be produced; In combination with the oxygen in the air this gases, vapors, dust and mist produced during the manufacturing process can create a potentially explosive atmosphere that can cause an ignition inducing it to an explosion. Other common sources of ignition can occur due to electronic failure like for example from switches and other common sources of ignition can occur due to mechanical failure, as for example by the friction of an impeller with the inlet.

### Creation of an explosive atmosphere

An explosive atmosphere is defined as all mixture in atmospheric conditions caused by the activity of manipulating or storage of air and inflammable substances in gas form, vapor or dust in which, after the ignition the unburned mixture is spread.

These explosive atmospheres can occur in many of the industrial activities that surround us, like for example, in the chemical industries, power plants, landfills, metallurgical industries, food industries ...

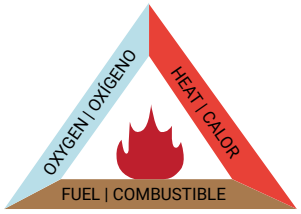
## 1. Introducción

En numerosos países industrializados, durante la fabricación, el tratamiento, el transporte y el almacenamiento de sustancias inflamables se producen o se fugan gases, vapores o nieblas que pasan al medio ambiente.

En otros procesos industriales también se producen polvos inflamables. En combinación con el oxígeno del aire, los gases, vapores, polvos y nieblas que se producen en dichos procesos se crea una atmósfera potencialmente explosiva que – en caso de ignición – provoca una explosión. Las fuentes de ignición pueden producirse debido a un fallo electrónico derivado por ejemplo de los interruptores o por un fallo mecánico, como por ejemplo por la fricción de una turbina con la boca de aspiración.

### Creación de la atmósfera explosiva

Una atmosfera explosiva es toda mezcla, en condiciones atmosféricas causada por la actividad de manipulación o almacenaje, de aire y sustancias inflamables en forma de gas, vapor o polvo en la que, tras la ignición, se propaga la mezcla no quemada. Estas atmosferas explosivas se pueden dar en muchas de las actividades industriales que nos rodean como por ejemplo en las industrias químicas, centrales eléctricas, vertederos, industrias metalúrgicas, industrias alimentarias...




There are two main types of ATEX atmospheres:

- **Explosive gas atmospheres:** mixture of an inflammable substance in the state of gas or vapor with air, in which, in case of ignition, combustion is spread to the entire unburned mixture.
- **Atmosphere with explosive dust:** mixture of air, under atmospheric conditions, with flammable substances in the form of dust or fibers, in which, in case of ignition, the combustion propagates to the rest of the unburned mixture.

This is not applicable when the risk of explosion comes from unstable substances, such as explosives and pyrotechnic substances, or when the explosive mixture is outside of what is understood as normal atmospheric conditions, so it excludes processes under hyperbaric conditions.

To occur a potentially explosive atmosphere the combination of the mixture of an inflammable or combustible substance with an oxidant at a given concentration and an ignition source is required. In some industries and processes the risk of creating an explosive atmosphere increases when the manipulation of this substances is required in a confined space.

Se distinguen dos tipos de atmósferas ATEX:

- **Atmósferas de gas explosivas:** mezcla de una sustancia inflamable en estado de gas o de vapor con el aire, en la que, en caso de ignición, la combustión se propaga a toda la mezcla no quemada.
- **Atmósfera con polvo explosivo:** mezcla de aire, en condiciones atmosféricas, con sustancias inflamables bajo la forma de polvo o fibras, en la que, en caso de ignición, la combustión se propaga al resto de la mezcla no quemada.

Según lo expuesto anteriormente, no es aplicable cuando el riesgo de explosión proviene de sustancias inestables, como explosivos y sustancias pirotécnicas, o cuando la mezcla explosiva está fuera de lo que se entiende como condiciones atmosféricas normales, por lo que excluye a los procesos en condiciones hiperbáricas.

Para que ocurra una atmósfera potencialmente explosiva se requiere la combinación de la mezcla de una sustancia inflamable o combustible con un oxidante a una concentración determinada más una fuente de ignición. En otro tipo de industrias y procesos productivos el riesgo se hace mayor y más complejo de manipular cuando nos encontramos en un espacio confinado y con trabajos de manipulación de esas sustancias potencialmente explosivas.

## 2. Category and classification of protection of the equipment

- **Zones and categories for gas and dust**

Depending on the degree of presence of explosive gas or dust, these are classified into different zones and categories detailed below:

## 2. Categoría y nivel de protección del equipo

- **Zonas y categorías para gas y polvo**

Dependiendo del grado de presencia del gas o polvo explosivo, éstos se clasifican en distintas zonas y categorías a continuación detalladas:

| | ZONES<br>ZONAS | CATEGORY RD 144/16<br>CATEGORIA RD 144/16 | EPL UNE-EN 60079-14<br>EPL UNE-EN 60079-14 |
|---|---|---|---|
| GAS | 0 \| Always present<br>Presencia permanente | 1G | Ga |
| | 1 \| Occasional presence<br>Presencia ocasional | 2G or 1G | Gb or Ga |
| | 2 \| Rare presence<br>Presencia rara | 3G, 2G or 1G | Gc, Gb or Gc |
| DUST<br>POLVO | 20 \| Always present<br>Presencia permanente | 1D | Da |
| | 21 \| Occasional presence<br>Presencia ocasional | 2D or 1D | Db or Da |
| | 22 \| Rare presence<br>Presencia rara | 3D, 2D or 1D | Dc, Db or Da |

fig. 1

**• Group and type of temperature**

Group: determines the explosion level of the gas.
Type of temperature: determines the highest acceptable surface temperature on motor surface. Overcoming such temperature implies ignition risks of either the gas or the dust.

**• Grupo y clase de temperatura**

Grupo: determina el nivel de explosividad de un gas.
Clase de temperatura: determina la máxima temperatura superficial admisible en la superficie del motor. Superar dicha temperatura conlleva riesgo de ignición del gas o polvo.

**GASES**

**GASES**

| EXPLOSION GROUP / GRUPO DE EXPLOSIÓN | TYPE OF TEMPERATURE ( maximum surface temperature allowed) / CLASE DE TEMPERATURA (temperatura de superficie máxima permitida) | | | | | |
|---|---|---|---|---|---|---|
| IGNITION TEMPERATURE / TEMPERATURA DE IGNICIÓN | **T1** | **T2** | **T3** | **T4** | **T5** | **T6** |
| | **>450°C** | **>300°C** | **>200°C** | **>135°C** | **>100°C** | **>85°C** |
| **I** | Methane<br>Metano | I-amyl acetate<br>I-amilacetato | Amyl alcohol<br>Amilalcohol | Acetaldehyde<br>Acetaldehído | | |
| **IIA**<br>Ignition energy higher than 0,18mJ<br>Energía de ignición mayor de 0,18mJ | Acetone<br>Acetona | n-butane<br>n-butano | Petrols<br>Gasolinas | | | |
| | Ammonia<br>Amoníaco | n-butanol<br>n-butanol | Diesel oils<br>Gasóleos | | | |
| | Benzene<br>Benceno | 1-butene<br>1-butano | Heating oils<br>Aceite de calefacción | | | |
| | Ethylacetate<br>Etilacetato | Propylacetate<br>Propilacetato | n-hexane<br>n-hexano | | | |
| | Methane<br>Metano | I-propanol<br>I-propanol | | | | |
| | Methano<br>Metanol | Vinyl chloride<br>Vinilclorido | | | | |
| | Propane<br>Propano | | | | | |
| | Toluene<br>Tolueno | | | | | |
| **IIB**<br>Ignition energy 0,06 a 0,18 mJ<br>Energía de ignición 0,06 a 0,18 mJ | Cyanide hydrogen<br>Cianuro de hidrógeno | 1.3-butadleno<br>-butadleno | Dimethylether<br>Dimetileter | Diethylether<br>Dietileter | | |
| | | 1.4-dioxane<br>dioxano | Ethyloglicol<br>Etiloglicol | | | |
| | Coal Gas (lighting gas)<br>Gas de carbón (gas de alumbrado) | Ethylene<br>Etileno | Sulfide hydrogen<br>Sulfuro de hidrógeno | | | |
| | | Ethylene oxide<br>Óxido de etileno | | | | |
| **IIB + H2** | Hydrogen<br>Hidrógeno | | | | | |

Options not available in Casals product
Opciones no disponibles en producto Casals

## DUST | POLVO

| Product (dust)<br>Producto (polvo) | Ignition temperature dust cloud<br>Temperatura de ignición nube de polvo | Ignition temperature for 0.19 inches dust layer<br>Temperatura de ignición para 0.19 inches polvo depositado | Lower explosive limit (LEL)<br>Límite inferior de explosión (LEL) |
|---|---|---|---|
| Dust aluminium \| Aluminio en polvo | 530°C | 280°C | 15 g/m³ |
| Brown dust \| Carbón marrón | 380°C | 225°C | 60 g/m³ |
| Dust steel \| Hierro en polvo | 310°C | 300°C | 125 g/m³ |
| Cereals \| Cereales | 420°C | 290°C | 60 g/m³ |
| Wood dust \| Polvo de madera | 400°C | 300°C | 30 g/m³ |
| Dust milk \| Leche en polvo | 440°C | 340°C | 60 g/m³ |
| Paper \| Papel | 540°C | 300°C | 30 g/m³ |
| PVC \| PVC | 530°C | 380°C | 60 g/m³ |
| Soot \| Hollín | 620°C | 385°C | 60 g/m³ |
| Sulfide \| Sulfuro | 280°C | 280°C | 30 g/m³ |
| Starch \| Almidón | 440°C | 290°C | 125 g/m³ |
| Hard coal \| Carbón duro | 590°C | 245°C | 60 g/m³ |
| Wheat flour \| Harina de trigo | 480°C | 450°C | 125 g/m³ |
| Dust zinc \| Zinc en polvo | 570°C | 440°C | 250 g/m³ |

**fig. 2**

**Maximum surface temperature.**

(Necessary indication for equipment due to be used in explosive dust environments)
Maximum surface temperature in case of failure for equipments in contact with dust:

- Temperature limit 1 = 2/3 of the minimum ignition temperature for the existing dust.
- Temperature limit 2 = Minimum ignition temperature for a 0.19 inches powder layer less 75 Kelvin.

The lowest limit temperature in both cases has to be higher than the maximum temperature on the device's surface.

For example, in a wheat flour case:
Temperature limit 1 = 2/3 x 480 = 320 ºC
Temperature limit 2 = 450 – 75 = 375 ºC
Maximum temperature of device's surface = 320ºC
Lower explosion limit (LEL) is in this case 125g/m³. Below this concentration there's no explosion risk.

The following types of temperature are determined according the same criteria as with gas:

**TYPE OF TEMPERATURE**

| Type of temperature | Casing surface maximum temperature with environment temperature 40ºC |
|---|---|
| T1 | 450ºC |
| T2 | 300ºC |
| T3 | 200ºC |
| T4 | 135ºC |
| T5 | 100ºC |
| T6 | 85ºC |

Following the same wheat flour example, the type of temperature is T2. Furthermore, the motors (motors) for zone 21 have to be IP6X (dust tight).

The customer is responsible for defining the potential explosive zones where the fans have to be installed.

**Temperatura máxima de superficie.**

(Indicación necesaria para los equipos que se van a utilizar en atmósferas de polvo explosivo).
Temperatura máxima de la superficie de un dispositivo en contacto con el polvo en caso de fallo:

- Límite de temperatura 1= 2/3 de la temperatura de ignición mínima del polvo existente.
- Límite de temperatura 2 = Temperatura mínima para estar al rojo vivo del polvo existente menos 75 Kelvin.

(Para Capas de hasta 0.19 inches de grosor)

El valor mas bajo de ambas temperaturas límite debe ser mayor que la temperatura máxima de superficie del dispositivo.

Por ejemplo, en el caso de la harina de trigo:
Límite de temperatura 1 = 2/3 x 480 = 320 ºC
Límite de temperatura 2 = 450 – 75 = 375 ºC
Temperatura máxima de superficie del dispositivo = 320ºC
El límite inferior de explosión (LEL) es en este caso 125g/m³.

A continuación determinamos la clase de temperatura con el mismo criterio que en los gases:

**CLASE DE TEMPERATURA**

| Clase de temperatura | Máxima temperatura superficial en la carcassa con temperatura de 40ºC |
|---|---|
| T1 | 450ºC |
| T2 | 300ºC |
| T3 | 200ºC |
| T4 | 135ºC |
| T5 | 100ºC |
| T6 | 85ºC |

Siguiendo con el ejemplo de la harina de trigo, la clase de temperatura es T2. Además, los motores para zona 21 tienen que ser IP6X (estanco al polvo).

Es responsabilidad del cliente definir las zonas potencialmente explosivas donde deban instalarse los equipos.

### 3. Type of motor protection for electrical equipment in explosive environments

**• IEC normative**

Depending on the type of protection of the equipment, there are several markings. They are detailed below with their respective IEC standard.

### 3.- Tipos de protección del motor para equipos eléctricos en atmosferas explosivas

**• Normativa IEC**

Dependiendo del tipo de protección del equipo existen varios marcajes. A continuación se detallan con su respectiva norma IEC.




| Type of protection | Marking | Standard IEC |
|---|---|---|
| Tipo de protección | Marcaje | Norma IEC |
| Flameproof housing \| Carcasa antideflagante | d | IEC 60079-1 |
| Pressurization \| Presurización | px, py, pz | IEC 60079-2 |
| Intrinsic Security \| Seguridad Intrínseca | ia, ib, ic | IEC 60079-11 |
| Encapsulated \| Encapsulado | ma, mb, mc | IEC 60079-18 |
| Increased security \| Seguridad aumentada | eb, ec | IEC 60079-7 |
| Protection "n" \| Protección "n" | nA, nC, nR | IEC 60079-15 |
| Filled with dust \| Llenado de polvo | q | IEC 60079-5 |
| Oil immersion \| Inmersión aceite | 0 | IEC 60079-6 |
| Protection through enclosure \| Protección por recinto | ta, tb, tc | IEC 60079-31 |

**fig. 3**

**• Degree of IP protection (According to EN 60529)**

In case of dust, the degree of IP protection (Ingress Protection) of the equipment (motor) must be specified. Following is a guide to enter the protection codes.

**1st digit =** Protection of the person against access to hazardous parts inside enclosures and protection against the ingress of solid foreign objects.
**2nd digit =** Protection against the ingress of moisture/liquids.

**• Grado de protección IP (Según EN 60529)**

En caso de polvo, se debe especificar el grado de protección IP (Ingress Protection) del equipo (motor). Seguidamente se detalla una guía para entrar los códigos de protección.

**1er dígito =** Protección de la persona contra el acceso a partes peligrosas dentro de los recintos y protección contra la entrada de objetos extraños sólidos.
**2º dígito =** Protección contra la entrada de humedad/líquidos.

| 1ST IP Nº | 2ND IP Nº |
|---|---|
| 0<br>NO PROTECTION<br>SIN PROTECCIÓN | 0<br>NO PROTECTION<br>SIN PROTECCIÓN |
| 1<br>PROTECTED AGAINST SOLID OBJECTS 50MM OR BIGGER<br>PROTEGIDO CONTRA OBJETOS SÓLIDOS 50MM O MÁS GRANDES | 1<br>PROTECTED AGAINST WATER FALLING VERTICALLY (CONDENSATION)<br>PROTEGIDO CONTRA LA CAÍDA VERTICAL DE AGUA (CONDENSACIÓN) |
| 2<br>PROTECTED AGAINST SOLID OBJECTS 12MM OR BIGGER<br>PROTEGIDO CONTRA OBJETOS SÓLIDOS 12MM O MÁS GRANDES | 2<br>PROTECTED AGAINST DIRECT SPRAYS UP TO 15º (VERTICAL)<br>PROTEGIDO CONTRA ESPRAIS DIRECTOS HASTA 15º (VERTICAL) |
| 3<br>PROTECTED AGAINST SOLID OBJECTS 2.5MM OR BIGGER<br>PROTEGIDO CONTRA OBJETOS SÓLIDOS 2.5MM O MÁS GRANDES | 3<br>PROTECTED AGAINST DIRECT SPRAYS UP TO 60º (VERTICAL)<br>PROTEGIDO CONTRA ESPRAIS DIRECTOS HASTA 60º (VERTICAL) |
| 4<br>PROTECTED AGAINST SOLID OBJECTS 1MM OR BIGGER<br>PROTEGIDO CONTRA OBJETOS SÓLIDOS 1MM O MÁS GRANDES | 4<br>PROTECTED AGAINST LOW PRESSURE JETS (ALL DIRECTIONS)<br>PROTEGIDO CONTRA IMPULSOS DE BAJA PRESIÓN (TODAS DIRECCIONES) |
| 5<br>PROTECTED AGAINST DUST (LIMITED INGRESS)<br>PROTEGIDO CONTRA EL POLVO (ENTRADA LIMITADA) | 5<br>PROTECTED AGAINST LOW PRESSURE JETS (ALL DIRECTIONS<br>PROTEGIDO CONTRA IMPULSOS DE BAJA PRESIÓN (TODAS DIRECCIONES) |
| 6<br>PROTECTED AGAINST DUST (TOTALLY)<br>PROTEGIDO CONTRA EL POLVO (TOTALMENTE) | 6<br>PROTECTED AGAINST HIGH PRESSURE JETS (ALL DIRECTIONS)<br>PROTEGIDO CONTRA IMPULSOS DE ALTA PRESIÓN (TODAS DIRECCIONES) |
| | 7<br>PROTECTED AGAINST IMMERSION (15CM-1M)<br>PROTEGIDO CONTRA INMERSIÓN (15CM-1M) |
| | 8<br>PROTECTED AGAINST IMMERSION UNDER PRESSURE<br>PROTEGIDO CONTRA INMERSIÓN BAJO PRESIÓN |

**fig. 4**

## 4 | ORDER FORM FOR ATEX FANS

Whenever you request information/an offer from a fan or ATEX equipment, Casals will request the following form to compliment.

# ENTRY FORM / ATEX EQUIPMENT

| | | | |
|---|---|---|---|
| Company | | | |
| Contact person / position | | | |
| Industrial sector | | | |
| Telephone | | e-mail address | |

Do you know the ATEX marking (group / category / group of gas-dust / temperature class, etc.)? If so, specify it below.

CE Ex .....

If you do not know the fan/product marking, please fill in the following form:

| TYPE OF ATEX SUBSTANCE (EXPLOSIVE ATMOSPHERE) | | | |
|---|---|---|---|
| ☐ GAS (G) | | ☐ DUST (D) | |
| GAS (type) | *See fig.2* | DUST (type) | *See fig.2* |
| ZONE | | | |
| ZONE 1 (II 2G or Gb) ☐ ZONE 2 (II 3G or Gc) ☐ *See fig.1* | | ZONE 21 (II 2D or Db) ☐ ZONE 22 (II 3D or Dc) ☐ *See fig.1* | |
| OTHER DATA | | | |
| Gas explosion group | | Dust group | |
| IIA ☐ IIB ☐ IIB+H2 ☐ *See fig.2* | | IIIA ☐ IIIB ☐ *See fig.2* | |
| IGNITION TEMPERATURE | | | |
| GAS class temperature* | GAS ignition temperature* | Ignition temperature of dust cloud | Ignition temperature for 5mm dust |
| *See fig.3* T1 ☐ T2 ☐ T3 ☐ T4 ☐ | ºC | ºC | ºC |
| ** Specifying one of two data is enough* | | | |
| OTHER DATA OF INTEREST OF OBSERVATIONS (IP65 motor, (IP65 motor, ambient temperature different to the range -20ºC to +40ºC, max. fluid temperature higher than 60ºC, altitude where the equipment is installed, abrasive/corrosive dust, corrosive gas, motor protection, method, etc.) | | | |
| | | | |

**IMPORTANT: It is the customer's responsibility to correctly define the potentially explosive areas where the equipment must be installed.**

**Mr. / Mrs. ..... declares that all the data reflected in this application form of ATEX equipment for work in explosive atmospheres are true and signs and seals as a sign of compliance with them:**

**Date:** **Seal and signature:**

## 5 | FORMULARIO DE PEDIDO PARA VENTILADORES ATEX

Siempre que se pida información/oferta de un ventilador o equipo ATEX, Casals solicitará el siguiente formulario para complimentar.

# SOLICITUD DE VENTILADOR/EQUIPO ATEX

| | | | |
|---|---|---|---|
| Empresa | | | |
| Persona contacto/ cargo | | | |
| Sector industrial | | | |
| Teléfono | | Correo electrónico | |

Conoce usted el marcaje ATEX (grupo/categoría/grupo de gas-polvo/ clase de temperatura, etc.)? Si es así especifíquelo a continuación.

CE Ex .....

En caso de no conocer el marcaje del ventilador/producto, por favor, rellene el siguiente formulario:

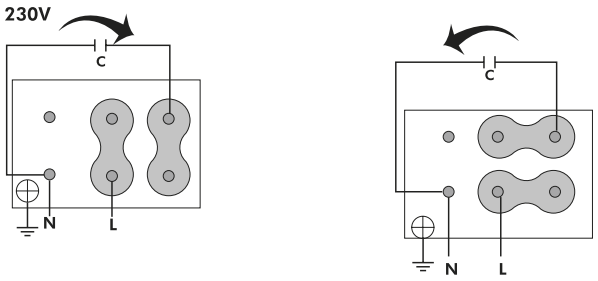
| TIPO DE SUSTANCIA ATEX *(ATMOSFERA EXPLOSIVA)* | | | |
|---|---|---|---|
| ☐ GAS (G) | | ☐ POLVO (D) | |
| GAS (tipo) | *Ver fig.2* | POLVO (tipo) | *Ver fig.2* |
| ZONA | | | |
| ZONA 1 (II 2G ó Gb) ☐ ZONA 2 (II 3G ó Gc) ☐ *Ver fig.1* | | ZONA 21 (II 2D ó Db) ☐ ZONA 22 (II 3D ó Dc) ☐ *Ver fig.1* | |
| OTROS DATOS | | | |
| Grupo explosión gas | | Grupo de polvo | |
| IIA ☐ IIB ☐ IIB+H2 ☐ *Ver fig.2* | | IIIA ☐ IIIB ☐ *Ver fig.2* | |
| TEMPERATURAS IGNICIÓN | | | |
| Clase de temperatura del GAS* | Temperatura de ignición del GAS* | Temperatura de ignición nube de polvo | Temperatura de ignición para 5mm de polvo |
| *Ver fig.3* T1 ☐ T2 ☐ T3 ☐ T4 ☐ | ºC | ºC | ºC |
| **Especificando uno de los dos datos es suficiente* | | | |
| OTROS DATOS DE INTERÉS U OBSERVACIONES (motor IP65, temperatura ambiente diferente al rango -20ºC a +40º, Temperatura max.fluido superior a 60ºC, altitud dónde va instalado el equipo, polvo a vehicular abrasivo/corrosivo, gas corrosivo, protección motor, método, etc.) | | | |
| | | | |

**IMPORTANTE: Es responsabilidad del cliente definir correctamente las zonas potencialmente explosivas donde deban instalarse los equipos.**

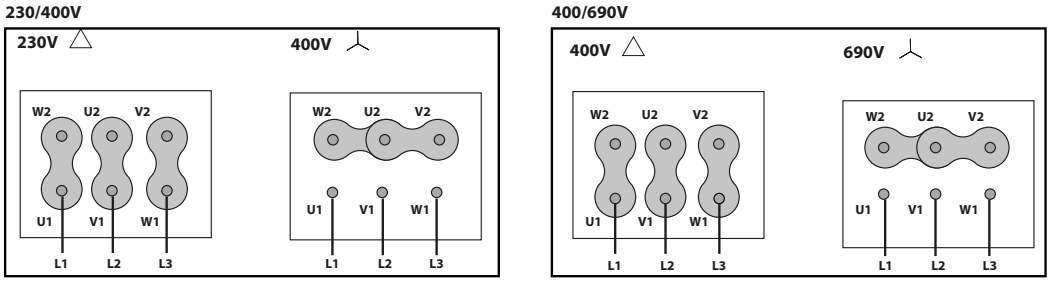
**El Sr./ Sra..... declara que todos los datos reflejados en este formulario de solicitud de equipo ATEX para trabajo en atmosferas explosivas son ciertos y firma y sella en señal de conformidad con los mismos:**

**Fecha:** **Sello y firma:**

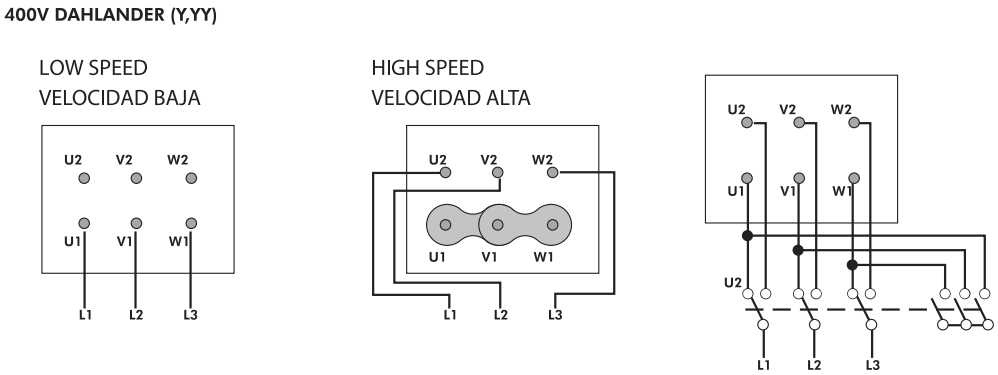
## °SINGLE PHASE MOTORS | MOTORES MONOFÁSICOS



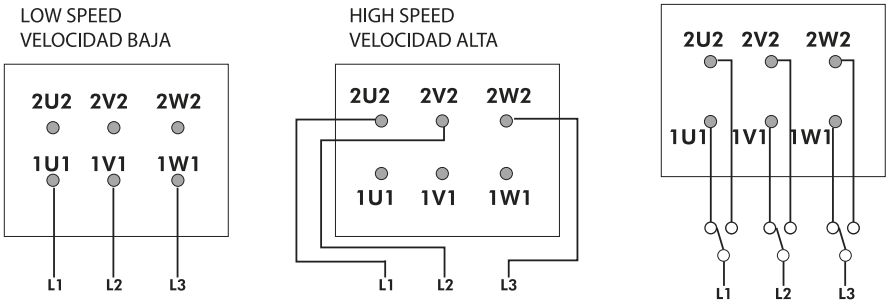

## °THREE PHASE MOTORS | MOTORES TRIFÁSICOS



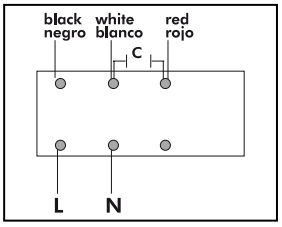

## °2 SPEEDS MOTORS 400V DAHLANDER (Y,YY) | MOTORES 2 VELOCIDADES 400V DAHLANDER (Y,YY)

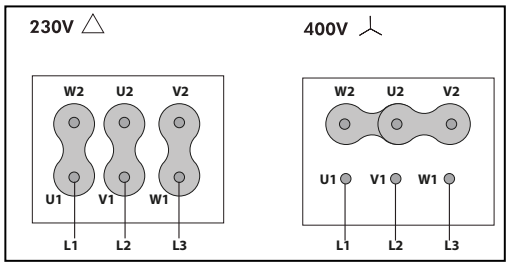



## °400V SEPARATE WIRINGS | 400V BOBINADOS INDEPENDIENTES



## ° BD FAN | VENTILADOR BD



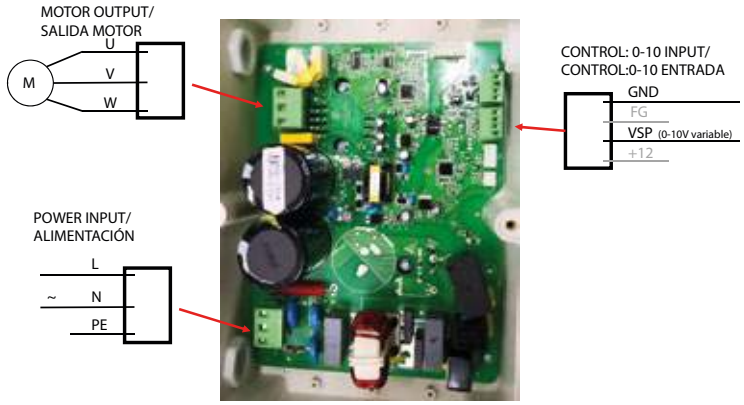




### COMPATIBILITY CHART BD-REG | TABLA DE COMPATIBILIDAD BD-REG

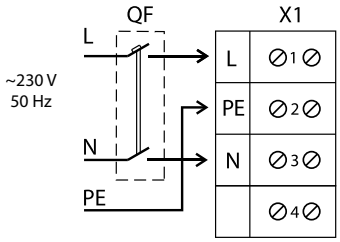
| | I (A) | REG 1,5A | REG 3A | REG 5A | REG 10A |
|---|---|---|---|---|---|
| BD 7/7 M4 0,12kW | 1,5 | | | | |
| BD 7/7 M6 0,04kW | 0,6 | | | | |
| BD 9/7 M4 0,35kW | 2,7 | | | | |
| BD 9/7 M6 0,12kW | 1,2 | | | | |
| BD 9/9 M4 0,35kW | 2,7 | | | | |
| BD 9/9 M6 0,12kW | 1,2 | | | | |
| BD 10/8 M4 0,59kW | 4,5 | | | | |
| BD 10/8 M6 0,19kW | 2 | | | | |
| BD 10/10 M4 0,59kW | 4,5 | | | | |
| BD 10/10 M6 0,19kW | 2 | | | | |
| BD 12/9 M6 0,79kW | 6,2 | | | | |
| BD 12/12 M6 0,79kW | 6,2 | | | | |

Excessive motor current | Corriente motor excesiva
Bad regulation | Mala regulación
Good regulation | Buena regulación
Optimum regulation | Óptima regulación

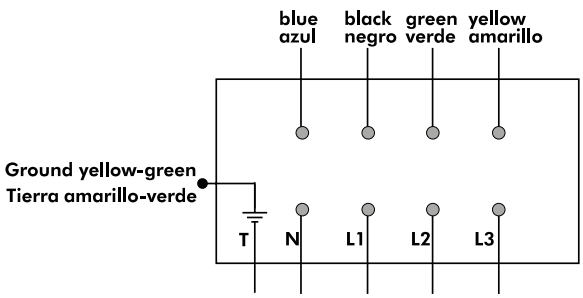
## ° BD EEC | BD EEC



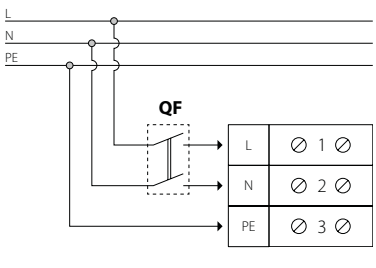

## ° BT-3 | BT-3




## ° 3 SPEED BD FAN | BD 3 VELOCIDADES




## ° BT-3 EEC | BT-3 EEC



## ° SB-3 EEC | SB-3 EEC

### SINGLE PHASE MOTOR | MOTOR MONOFÁSICO

| Nº | Signal Señal | Colour Color | Specification Especificación |
|---|---|---|---|
| 1 | L | Brown Marrón | AC 220V-50/60 Hz |
| 2 | N | Blue Azul | AC 220V-50/60 Hz |
| 3 | Pe | Yellow-Green Amarillo-Verde | ⏚ |

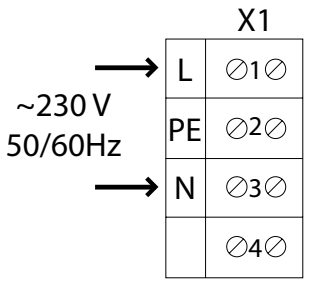
| Nº | Signal Señal | Colour Color | Specification Especificación |
|---|---|---|---|
| 1 | GND | Blue Azul | ⏚ |
| 2 | Vsp | Yellow Amarillo | 0-10 V/PWM |
| 3 | Vcc | Red Rojo | DC 10V |
| 4 | FG | White Blanco | 1 Pulse/R |

### THREE PHASE MOTOR | MOTOR TRIFÁSICO

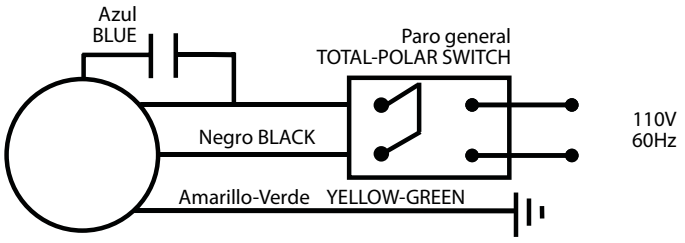
| Nº | Signal Señal | Colour Color | Specification Especificación |
|---|---|---|---|
| 1 | L1 | Black Negro | AC380V-50/60Hz |
| 2 | L2 | Black Negro | AC380V-50/60Hz |
| 3 | L3 | Black Negro | AC380V-50/60Hz |
| 4 | Pe | Yellow-Green Amarillo-Verde | ⏚ |

| Nº | Signal Señal | Colour Color | Specification Especificación |
|---|---|---|---|
| 1 | Vcc | Red Rojo | DC10V |
| 2 | Vsp | Yellow Amarillo | 0-10VDC/PWM |
| 3 | GND | Blue Azul | ⏚ |
| 4 | FG | White Blanco | 1 Pulse/R |

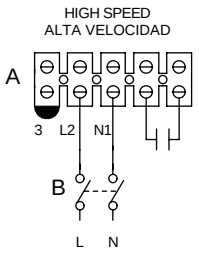
## ° BT ROOF 2 SB | BT ROOF 2 SB

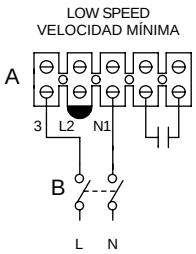


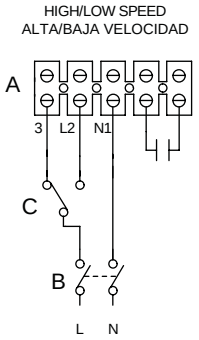

## ° ESTELA | ESTELA



## ° KUVIO | KUVIO



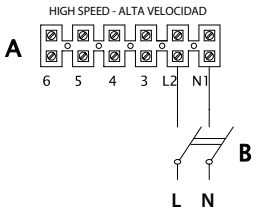



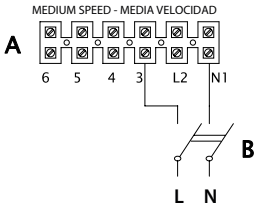



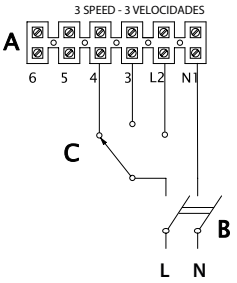

A) Terminal block
Bornes

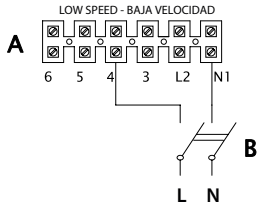
B) Bipolar switch
Interruptor bipolar

C) Min/max. speed switch
Selector de velocidad mín./máx.

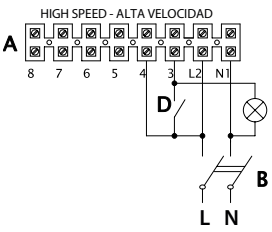


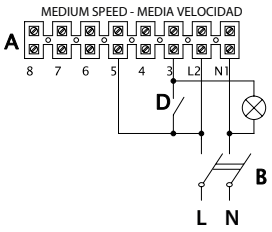



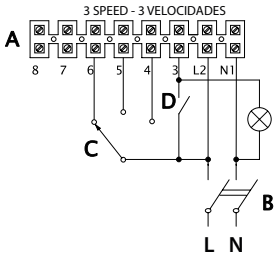



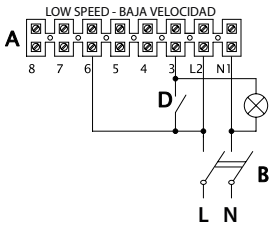




**A)** TERMINAL BLOCK / BLOQUE DE TERMINALES
**B)** MAIN BIPOLAR SWITCH / INTERRUPTOR PRINCIPAL BIPOLAR
**C)** 3 WAYS SWITCH / INTERRUPTOR DE 3 VÍAS

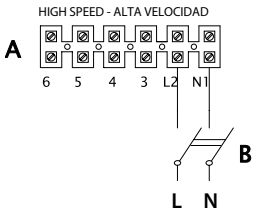


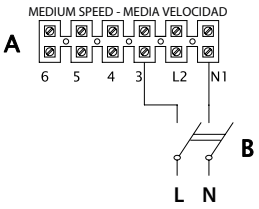



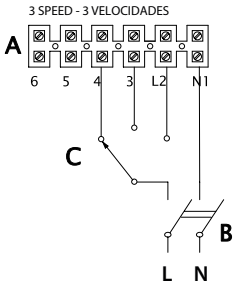



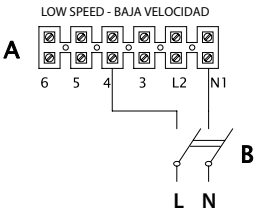




**A)** 3 WAYS SWITCH / INTERRUPTOR DE 3 VÍAS
**B)** MAIN BIPOLAR SWITCH / INTERRUPTOR PRINCIPAL BIPOLAR
**C)** 3 WAYS SWITCH / INTERRUPTOR DE 3 VÍAS
**D)** LIGHT SWITCH / INTERRUPTOR DE LUZ



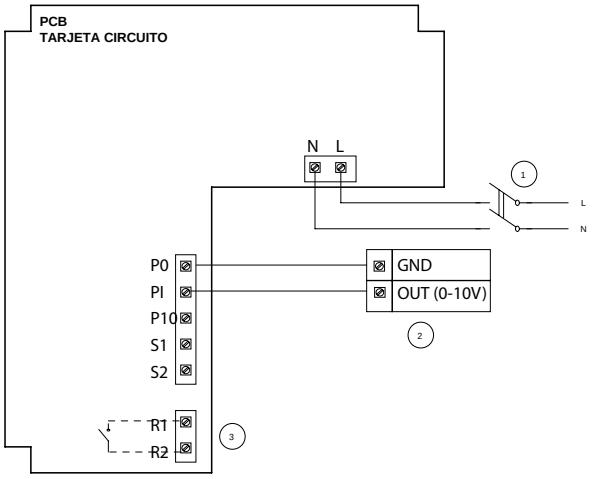




**A)** TERMINAL BLOCK / BLOQUE DE TERMINALES
**B)** MAIN BIPOLAR SWITCH / INTERRUPTOR PRINCIPAL BIPOLAR
**C)** 3 WAYS SWITCH / INTERRUPTOR DE 3 VÍAS

## ° KUVIO EEC | KUVIO EEC




**PCB Control Port Description**
**Tarjeta Descripción puertos de control**

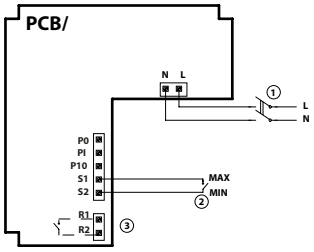
P0 = Potentiometer 0V / Potenciómetro 0V = GND
PI = Potentiometer input signal / Potenciómetro señal entrada = 0-10V
P10 = Potentiometer 10V / Potenciómetro 10V = +10V
S1-S2 = Dry contact for MAX/MIN speed / Contacto seco para velocidad MAX/MIN
R1-R2 = Dry contact for optional alarm / Contacto seco para alarma opcional

1. 2 POLES SWITCH (DPST) INTERRUPTOR DE 2 POLOS (DPST)
2. EXTERNAL GENERATOR SIGNAL 0-10V GENERADOR DE SEÑAL EXTERNO 0-10V
3. DRY CONTACT FOR ALARM SIGNALLING CONTACTO SECO PARA SEÑAL ALARMA (250VAC, max current 3A)

### WIRING TO AN EXTERNAL LOW/ HIGH SPEED SWITCH / CABLEADO A UN INTERRUPTOR EXTERNO DE BAJA / ALTA VELOCIDAD

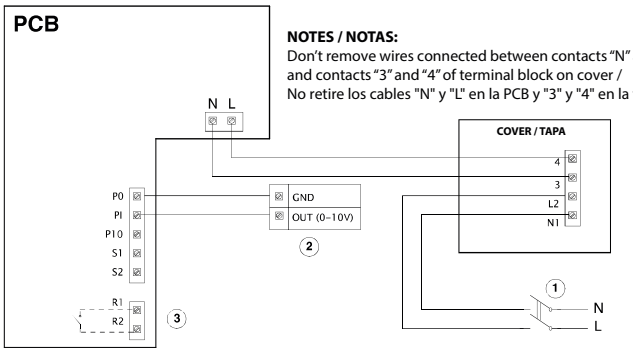
**PCB Control Port Description / Descripción del puerto de control de PCB**

**P0:** Potentiometer 0V= GND/ Potenciómetro 0V = GND
**PI:** Potentiometer input signal 0V= 0-10V Señal de entrada del potenciómetro 0V = 0-10V
**P10:** Potentiometer 10V = +10V Potenciómetro 10V = + 10V
**S1-S2:** dry contact for max/min speed Contacto seco para velocidad máx/mín
**R1-R2:** dry contact for optional alarm Contacto seco para alarma opcional




1. **2 poles switch (DPST)/ Interruptor de 2 polos (DPST)**
2. **Low-high speed switch SPST/ interruptor de baja - alta velocidad SPST**
3. **Dry contact for alarm signalling (250VAC, max current 2 3A)/ Contacto seco para señalización de alarmas (250 VCA, corriente máxima 2 3A)**

### WIRING TO THE EXTERNAL GENERATOR SIGNAL 0-10V/ CONEXIÓN CON GENERADOR DE SEÑAL EXTERNO 0-10V



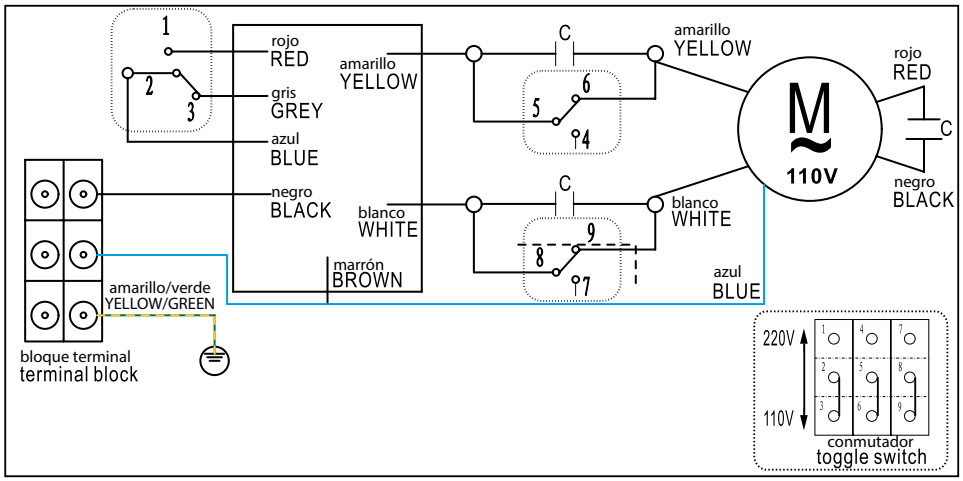

**NOTES / NOTAS:**
Don't remove wires connected between contacts "N" and "L" of PCB and contacts "3" and "4" of terminal block on cover /
No retire los cables "N" y "L" en la PCB y "3" y "4" en la tapa

1. **2 poles switch (DPST)/ Interruptor de 2 polos (DPST)**
2. **External generator signal 0-10V/ Señal de generador externo 0-10 V**
3. **Dry contact for alarm signalling (250VAC, max current 2 3A)/ Contacto seco para señalización de alarmas (250 VCA, corriente máxima 2 3A)**

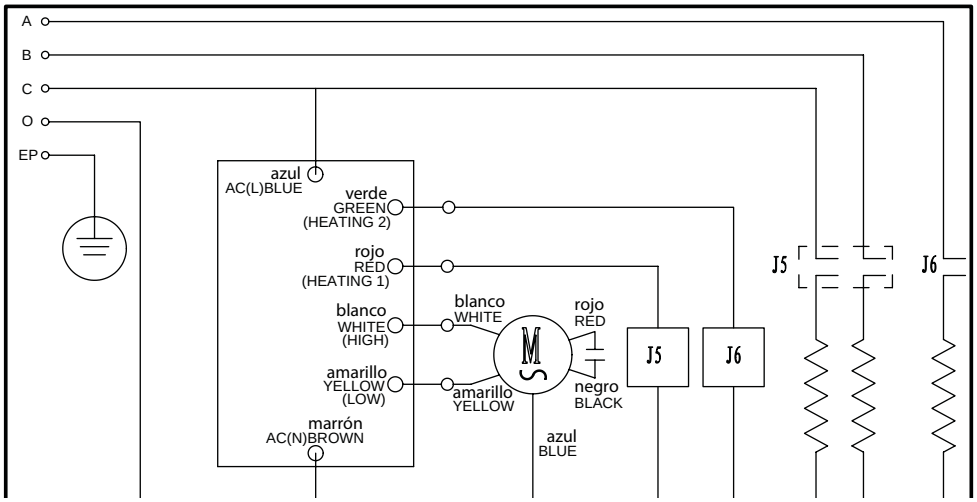
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**P0:** Potentiometer 0V= GND/ Potenciómetro 0V = GND
**PI:** Potentiometer input signal 0V= 0-10V Señal de entrada del potenciómetro 0V = 0-10V
**P10:** Potentiometer 10V = +10V Potenciómetro 10V = + 10V
**S1-S2:** dry contact for max/min speed Contacto seco para velocidad máx/mín
**R1-R2:** dry contact for optional alarm Contacto seco para alarma opcional

## ° COURSALIS | COURSALIS




## ° COURSALIS E | COURSALIS E




## ASSEMBLY ORIENTATIONS
## ORIENTACIONES DE MONTAJE

Standard industrial fan range assembly orientation is LG270. Anyway, the desired orientation must be indicated when placing the order.

The viewer is located in front of the motor.

La orientación de montaje por defecto de los ventiladores de gama industrial es LG270. De todos modos, debe indicarse en el pedido la orientación deseada.

Figuras vistas frente al motor.

