

ENKELBOX EEC RANGE

Centrifugal box fan with external rotor EC motor, for duct. **Basic, insulated and filter versions**

CABINET FANS





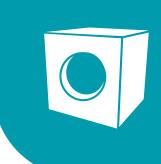




ENKELBOX EEC RANGE

Centrifugal box fan with external rotor EC motor, for duct. Basic, insulated and filter versions





Advantage

- ° Centrifugal box with external rotor EC motor, for duct.
- ^o With the heart of our revolutionary ENKELFAN EEC, an asynchronous motor plug-fan with high efficiency and reduced dimensions.
- ^o Low pressure fan suitable for simple flow residential and commercial controlled mechanical ventilation (CMV) applications.
- Integrated safety switch and PMR analog potentiometer to control the speed of the machine and achieve the most appropriate performance without wasting energy and with a reduction in sound power.

Summary of range and flow rates

- **° ENKELBOX EEC**
- **° ENKELBOX FILTER EEC**
- ° ENKELBOX PLUS EEC
- ° Available sizes: impellers from Ø155 to 450.
- ^o Maximum flows: 6.730 m³/h.

Applications

- ° Working temperature range from -20°C to 60°C.
 - ^o Air renewal in office buildings, shopping centers, warehouses, etc.
 - o Kitchen hoods.
 - ^o Light duty industrial applications with clean or slightly dusty air.

Designed for duct installation, they are indicated for:

- ^o Air renewals in simple-flow residential and commercial controlled mechanical ventilation (CMV) applications.
- ° Working temperature range from -20°C to 60°C.

ENKELBOX **EEC**

Centrifugal box with external rotor EC motor







Click on each photo to see the product in our selection program

Manufacturing features

- Inline ventilation box made of galvanized steel for duct connection.
- OPlug-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.
- ^o 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.
- $^{\rm o}$ The box is supplied with a safety switch with potentiometer for a total regulation.
- $^{\rm o}$ Circular suction mouth to facilitate duct connection. Open outlet.

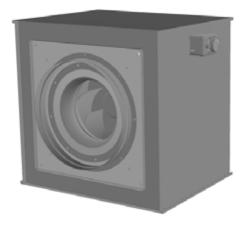
Simplified inline ventilation unit

° 360° view

Applications

Designed for duct installation, they are indicated for:

- ^o Air renewals in simple flow residential, commercial and controlled mechanical ventilation (CMV) applications.
- ° Working temperature range from -20°C to 60°C.



Under request

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

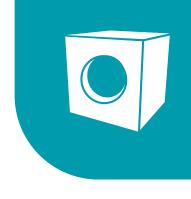


Click on the image to see the product in 360° view with an Internet browser

ENKELBOX FILTER EEC

Centrifugal box with filter and external rotor ec motor





Click on each photo to see the product in our selection program

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.

OPIUg-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.

O 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.

 $^{\rm o}$ Circular suction mouth to facilitate duct connection. Open outlet.

2 etapas de filtración para mejorar la calidad del aire interior mediante la combinación de distintos tipos de filtro integrados dentro de la caja

> ISO COARSE≥60% (G4) ISO ePM₁≥50% (F7) ISO ePM₁≥80% (F9)

Applications

Designed for duct installation, they are indicated for:

- ^o Air renewals in simple flow residential, commercial and controlled mechanical ventilation (CMV) applications.
- ° Working temperature range from -20°C to 60°C.

Ounder request

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

ENKELBOX PLUS EEC

Centrifugal fan in soundproof box with external rotor EC motor





Click on each photo to see the product in our selection program

Manufacturing features

- ° 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.
- OPlug-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.
- ^o 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.
- $^{\rm o}$ Circular suction mouth to facilitate duct connection. Open outlet.

Improved version, with aluminum profiles, which gives it modularity, that is, the possibility of having the air supply ears wherever desired. In addition, it has acoustically and thermally insulated panels with high-density 90Kg/m³ rock wool.

ENKELBOX PLUS ECC + BOX FILTER

Applications

Designed for duct installation, they are indicated for:

- ° Air renewal in all types of buildings and industries.
- ^o Air renewal in office buildings, shopping centers, warehouses, etc.
- ^o Kitchen hoods.

Working temperature range from -20°C to 60°C .

Under request

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



In the ENKELBOX PLUS EEC ventilation unit, the filters are included in an external module attached to the box or to the system to facilitate access for maintenance. This module is the BOX FILTER.

SMART

Smart accessories









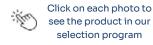
• REG FILTER



 $Constant\ pressure\ fan\ control.$

REG TWIN

Control auto change over panel for twin fans.





VORTICE GROUP COMPANIES

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