

HMA EVO 35 EEC

GENERAL DATA



LONG CASE VARIABLE PITCH BLADES WITH EEC MOTOR

MANUFACTURING FEATURES

- Long case axial fan with reinforced body, with double flange, made of rolling steel sheet.
- Pad mounted motor support system with guide vanes.
- Polyester powder finishing coat.
- Low sound level and high performance.
- 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 (electrical box): -20°C to 50°C

Speed control through signal 0-10V or PWM

- Cast aluminium impeller with variable pitch angle (Stopped and in origin).

APPLICATIONS

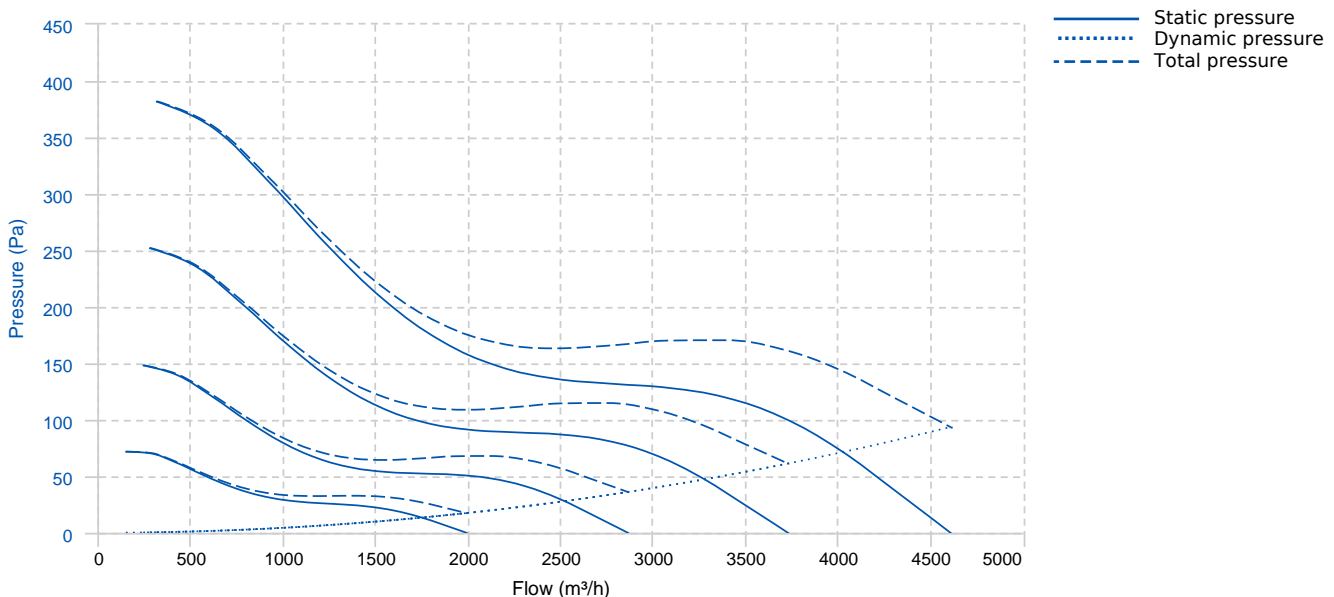
Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum transported air temperature: 60°C.

UNDER REQUEST

- Casing in hot galvanized sheet or stainless steel.

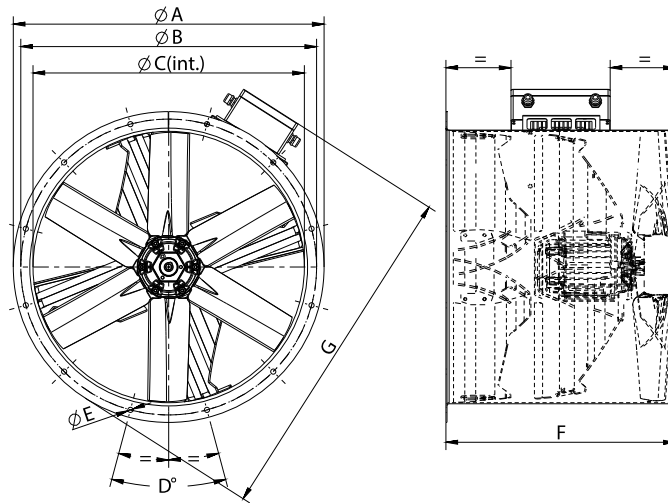
PERFORMANCE CURVE



TECHNICAL DATA

| Fan | | | | | |
|----------------|---------|-----------|------------------------|---------------|-----|
| Approx. weight | 17 kg | Max. Flow | 4620 m ³ /h | | |
| Motor | | | | | |
| Power | 0,37 kW | RPM | 2000 (max) | I max. (230V) | 5 A |

DIMENSIONS

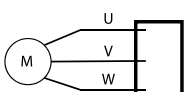


| Dimensions (mm) | | | | | | | | | |
|-----------------|-------|---|-----|---|-----|---|------|---|----|
| A | 434 | B | 395 | C | 365 | D | 8x45 | E | 10 |
| F | 358.5 | G | 521 | | | | | | |

WIRING DIAGRAM

MOTOR OUTPUT
SALIDA MOTOR

The EC motor is three phase and the output of three phases is connected in this connection terminal.
El motor EC es trifásico y la salida de las 3 fases del mismo se conectan a este terminal de conexión.



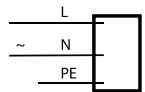
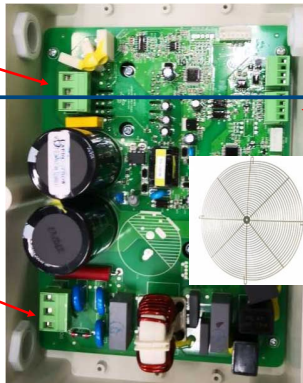
ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA

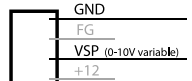
SAFETY SWITCH
INT 25 3P A
REF: INT253PA

In this other terminal, the power input must be connected with the L (line), N (neutral) and single phase PE (ground).
En este otro terminal se debe conectar la entrada de alimentación con la L (línea), N (neutro) y PE (tierra) monofásica.

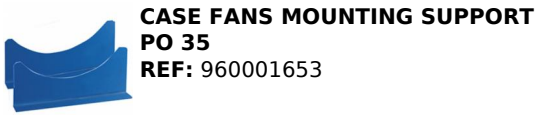



CONTROL: 0-10 INPUT
CONTROL: 0-10 ENTRADA

The fan is adjustable in rpm and has a variable input from 0 to 10V.
You can connect any accessory or external device that gives this variable signal (for example: temperature sensor, inverter, etc.). In case you want to operate the fan at maximum revolutions, you should connect VSP (Variable Speed Potentiometer) to the maximum revolutions terminal.
Se puede conectar algún accesorio o dispositivo que dé esta señal variable (por ejemplo, sensor de temperatura, variador, etc.). En caso de que se quiera operar a máximas revoluciones se debe conectar directamente VSP (0-10V) y +12.



PROTECTION GUARD FOR LONG CASE AXIAL FANS
RP 95
REF: 960300100



**CASE FANS MOUNTING SUPPORT
PO 35**
REF: 960001653



**CONNECTION FLANGE
AC 350**
REF: 960003211



**ANTI-VIBRATING FLANGE 400°/2H
BA-400 35**
REF: 960002053



**SPEED CONTROLLER FOR EEC MOTOR
REGC**
REF: FX263300



**CIRCULAR SILENCER
SIL-C 355/355**
REF: 960355355



**CIRCULAR SILENCER
SIL-C 355/532**
REF: 960355532



**CIRCULAR SILENCER
SIL-C 355/710**
REF: 960355071



**CIRCULAR SILENCER
SIL-CN 355/355**
REF: 961355355



**CIRCULAR SILENCER
SIL-CN 355/532**
REF: 961355532



**CIRCULAR SILENCER
SIL-CN 355/710**
REF: 961355071



**CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE
BAD 10**
REF: 960003460

SPARE PARTS

| | Code | Model | Qty |
|---|---------------|-----------------|-----|
| 1 | 301002000IEC4 | MOTOR EEC0,37kW | x1 |

| | Code | Model | Qty |
|---|---------------|--------------------------------|-----|
| 2 | H35006240AIMP | IMPELLER 350:AA0:6 G40 D14 IMP | x1 |
| 3 | 301002004 | ELECTRONICAL DEVICE EEC | x1 |