

## HT/EW-71-6T-0.75-IE3-VSD3-D



**Roof-mounted axial extractor fans with a flat base, fitted with high-efficiency, electronically-adjustable, asynchronous IE3 motors**

Fan:

- Painted, galvanised sheet steel support base.
- Fibreglass reinforced polyamide-6 rotors, except for 100 models, which have 4 poles in aluminium.
- Bird control grille.
- Rain cap made of painted galvanised sheet steel, with protection against corrosion.
- Airflow direction from motor to impeller.

Motor:

- New high-efficiency asynchronous AC motors (IE3).
- Fitted with durable ball bearings, IP55 protection.
- Three-phase 230/400 V-50 Hz (up to 4kW) and 400/690 V-50 Hz (powers higher than 4kW).
- Fan operating temperature: -25°C +60°C.

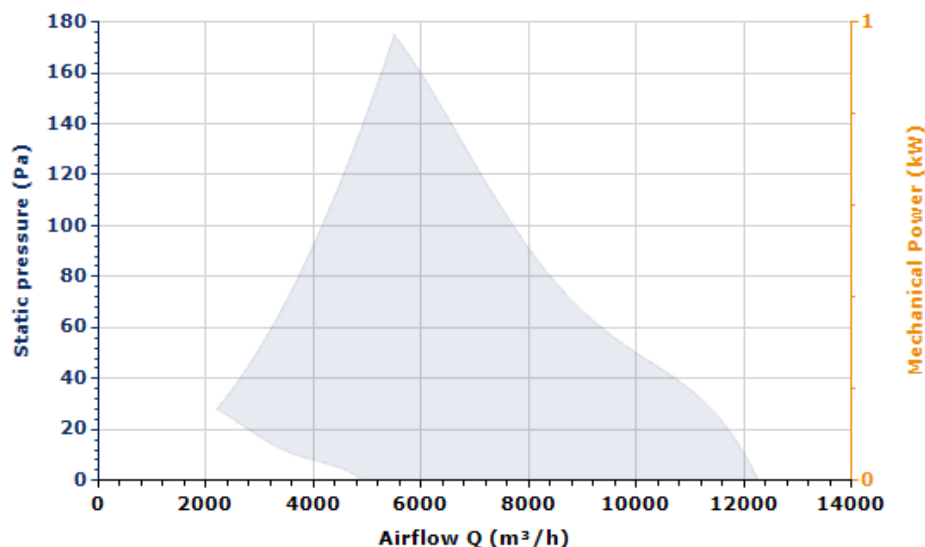
Electronic variable speed drive:

- Adjustable speed by 0-10 V signal or automatic PI control built into variable speed drive.
- Electronic variable speed drive highly configurable with 2 analogue inputs, 2 digital outputs, 1 relay output and a choice of 1 analogue or 1 digital output.
- Possibility of connection to MODBUS and CAN Open field buses.
- Electronic variable speed drive easy to install outside the operating zone thanks to its DIN rail it can be mounted in control blocks, thus minimising connections.
- Supplied pre-wired with shielded cable in accordance with the EMC 2014/30/ EU directive.
- Available with single-phase 220-240 V 50/60 Hz up to 3HP (VSD1/A-RFM type) or three-phase 380-415 V 50/60 Hz (VSD3/A-RFT type) inputs. Standard IP20 protection, IP66 protection up to 10HP on request.
- VSD operating temperature: -25°C +50°C.

On request:

- Option of supply in the form of DISCHARGE FANS.
- AL version rotors made of cast aluminium.

### CHARACTERISTIC CURVE AT 1.2KG/M<sup>3</sup>



#### Design Point

|          |  |
|----------|--|
| Q (m³/h) |  |
| Ps (Pa)  |  |

#### Service Point (SP)

|                        |  |
|------------------------|--|
| Q (m³/h)               |  |
| Ps (Pa)                |  |
| Pd (Pa)                |  |
| Pt (Pa)                |  |
| Impeller (rpm)         |  |
| Max. Temp. (°C)        |  |
| Outlet air speed (m/s) |  |
| Mechanical Power (kW)  |  |

### TECHNICAL CHARACTERISTICS

|                        |       |
|------------------------|-------|
| Airflow maximum (m³/h) | 12266 |
| Speed (rpm)            | 925   |
| Approx. weight (kg)    | 64.90 |

## MOTOR DATA

|                             |      |
|-----------------------------|------|
| Rated Mechanical Power (kW) | 0.55 |
| Hz/phases                   | 50/3 |
| Motor VSD Max. (rpm)        | 925  |
| Motor VSD Min. (rpm)        | 370  |
| Poles                       | 6P   |
| Max. current (A) 380-415 V  | 1.92 |
| Motor protection            | IP55 |
| Motor frame size            | 80   |

Data can change, please check motor plate

## AVAILABLE ACCESSORIES



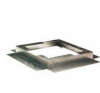
INT


VSD3/A-RFT -  
VSD1/A-RFM


AET



BTUB



MS



PA



OP



S



BS



BSS

It must be checked that the accessory is suitable for the fan model

## DIMENSIONS

| A   | B   | C   | D  | F    | G    | H   | I  |
|-----|-----|-----|----|------|------|-----|----|
| 759 | 195 | 524 | 40 | 1123 | 1000 | 850 | 14 |

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

