

## HT/EW-71-4T-2-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:

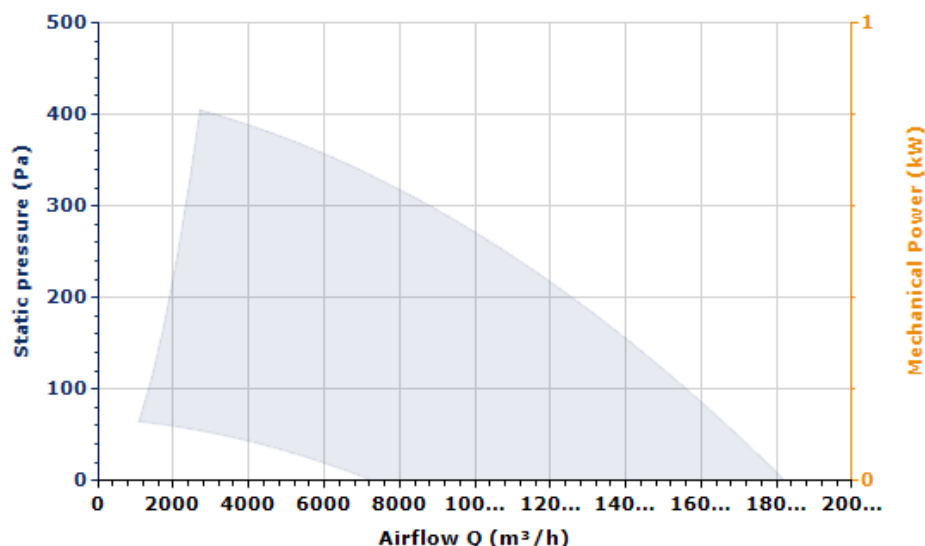
- Adjustable speed by 0-10 V signal or automatic PI control built into variable speed drive.
- Electronic variable speed drive highly configurable with 2 analogue inputs, 2 digital outputs, 1 relay output and a choice of 1 analogue or 1 digital output.
- Possibility of connection to MODBUS and CAN Open 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)	18228
Speed (rpm)	1440
Approx. weight (kg)	64

## ERP

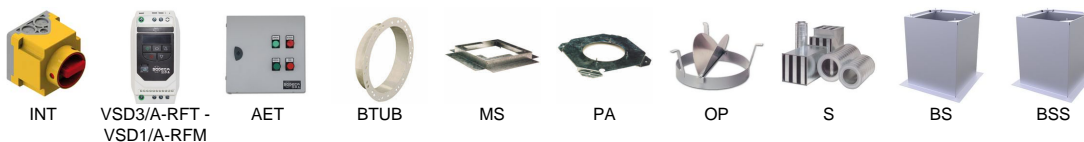
Brand	SODECA, S.L.U.	Nominal external pressure (Pa)	169
Model	HT/EW-71-4T-2-IE3-VSD3-D	Static efficiency of fan according to EU 327/2011 (%)	55.0%
Typology	NRVU / UVU	Filter energy performance	Not applicable
Drive type	Variable speed	Visual filter warning	Not applicable
HRS type	None	Website	www.sodeca.com
Nominal flow rate (m³/s)	3.776	ErP compliance	2018
Effective electric power input (kW)	1.440		
Face velocity at design flow rate (m/s)	9.54		

## MOTOR DATA

Rated Mechanical Power (kW)	1.50
Hz/phases	50/3
Motor VSD Max. (rpm)	1440
Motor VSD Min. (rpm)	575
Poles	4P
Max. current (A) 380-415 V	4.38
Motor protection	IP55
Motor frame size	90

Data can change, please check motor plate

## AVAILABLE ACCESSORIES



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

