

HCT/EW-63-4T-1/PL-IE3-VSD3-D



Tubular axial fans fitted with asynchronous, high-efficiency, electronically-adjustable IE3 motors

Fan:

- Airflow direction from motor to impeller.
- The PL version rotors are made of fibreglass-reinforced polyamide-6 and the AL version ones of cast aluminium.
- Long tubular casing in sheet steel with external terminal box.

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.

Finish:

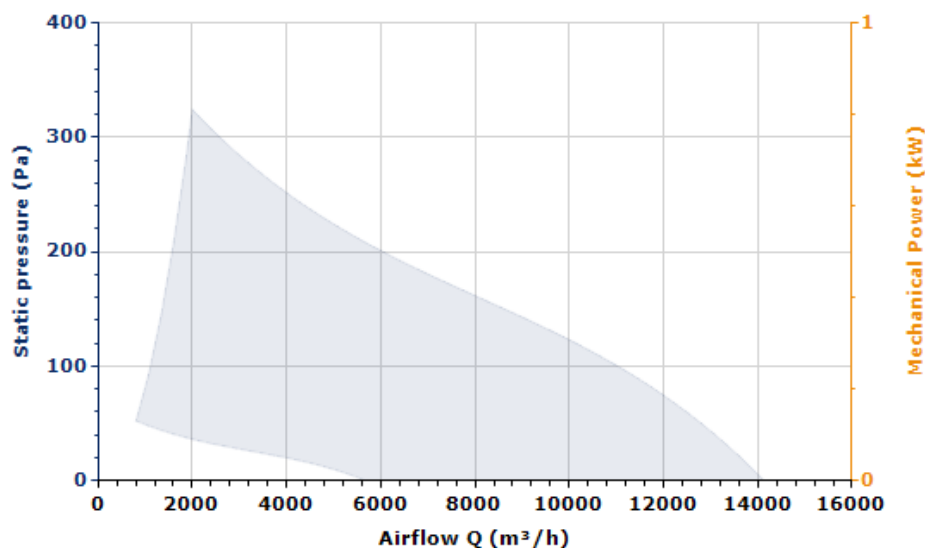
- Anti-corrosive finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

On request:

- Airflow direction from impeller to motor.
- Rotors 100% reversible.



CHARACTERISTIC CURVE AT 1.2KG/M³



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)	14143
Speed (rpm)	1420
Approx. weight (kg)	42

ERP

Efficiency	48.5%
Efficiency grade N	55.5
Measurement category	A
Efficiency category	Static
Specific ratio	1.00
Flowrate (m³/h)	8989

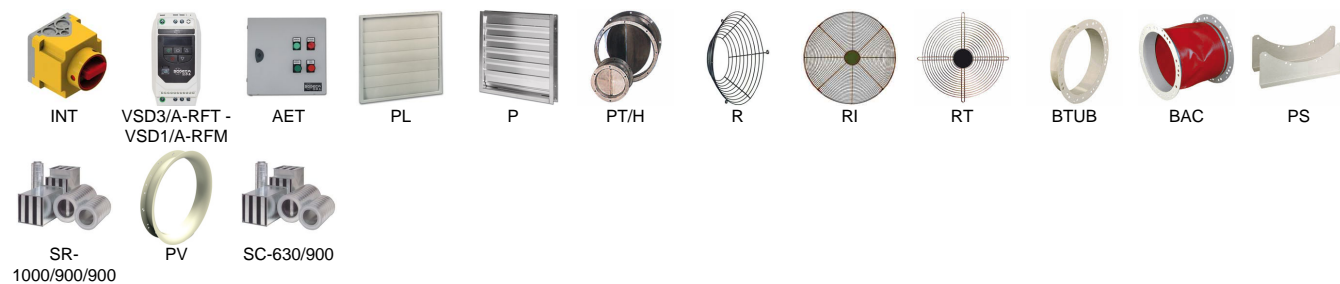
Pressure (Pa)	143
Input power (kW)	0.806
Speed (rpm)	1433
Variable speed drive	VSD built-in to the fan
ErP compliance	2015

MOTOR DATA

Rated Mechanical Power (kW)	0.75
Hz/phases	50/3
Motor VSD Max. (rpm)	1420
Motor VSD Min. (rpm)	570
Poles	4P
Max. current (A) 380-415 V	2.31
Motor protection	IP55
Motor frame size	80

Data can change, please check motor plate

AVAILABLE ACCESSORIES



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

DIMENSIONS

ØA	ØB	ØD	E	ØJ	N
730	690	640	430	12	12x30°

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

