

## CMP/EW-1128-4T-IE3-VSD3-D



**Centrifugal, medium pressure, single-inlet fans with direct-drive motor and forward-curved blade impellers, fitted with electronically-adjustable, high-efficiency, asynchronous IE3 motors**

**Fan:**

- Sheet steel casing.
- Impeller with action blades in extremely robust sheet steel.

**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 +120°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:**

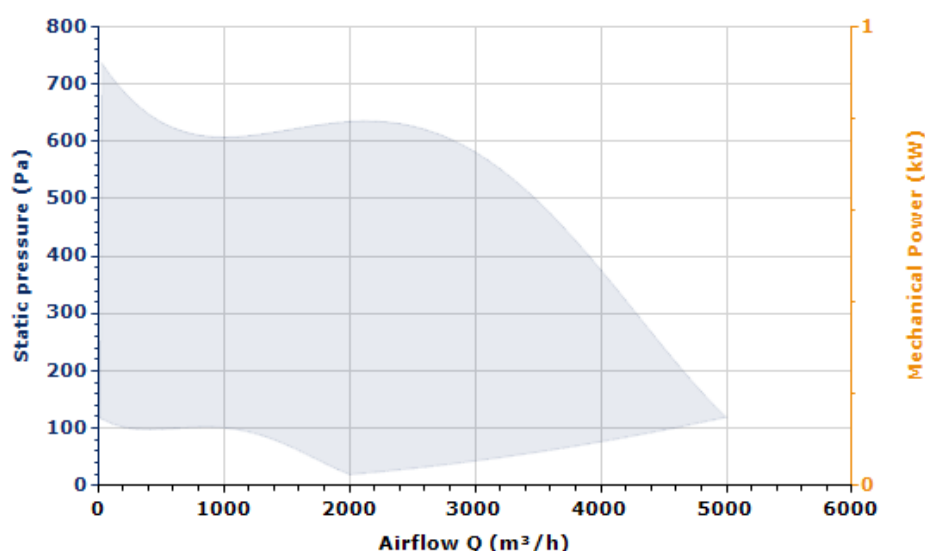
- Anti-corrosive finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

**On request:**

- Fan prepared for air transmission of up to 250°C.
- Stainless steel fan.



### 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)	5000
Speed (rpm)	1435
Approx. weight (kg)	39

## ERP

Efficiency	43.2%
Efficiency grade N	49.4
Measurement category	A
Efficiency category	Static
Specific ratio	1.01
Flowrate (m³/h)	2303

Pressure (Pa)	634
Input power (kW)	1.022
Speed (rpm)	1475
Variable speed drive	VSD built-in to the fan
ErP compliance	2015

## MOTOR DATA

Rated Mechanical Power (kW)	2.20
Hz/phases	50/3
Motor VSD Max. (rpm)	1435
Motor VSD Min. (rpm)	575
Poles	4P
Max. current (A) 380-415 V	6.43
Motor protection	IP55
Motor frame size	100

Data can change, please check motor plate

## AVAILABLE ACCESSORIES



INT



VSD3/A-RFT -  
VSD1/A-RFM



AET



RPA-35



B



BD



BIC-1128



ACE-280



S



REG

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

## DIMENSIONS

A	B	C	C1	C2	ØD1* [1]	Ød	Ød1	Ød2	E	H	H1	I	J
472	553	500.5	407	93.5	280	348	320	M8	216	340	152	244	364

J1	K	k2	L	ØO	ØO1	V	v	X	X1	Y
170	180	220	296.5	9.5	12.5	348	245	144	95	122.5

[1] Recommended nominal diameter for duct.

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

