

CMP/EW-1128-2T-5.5-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:

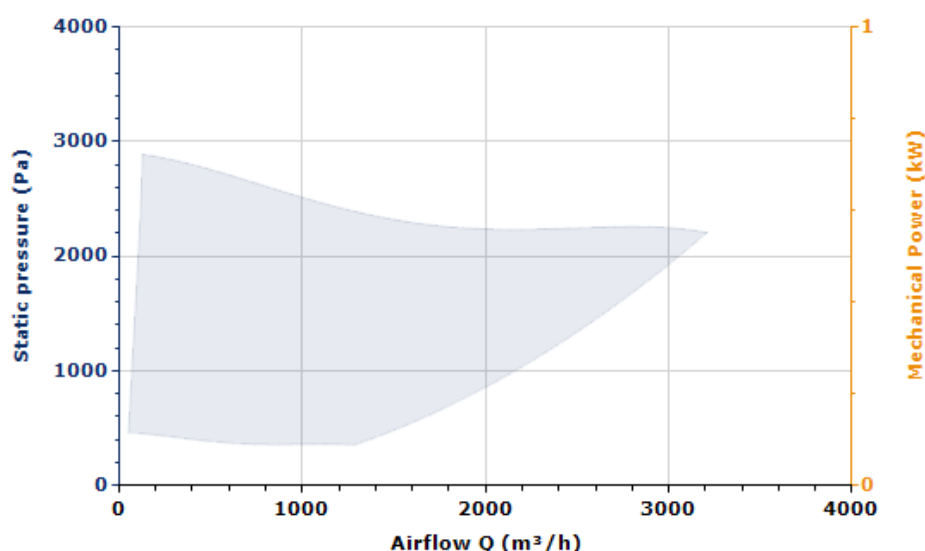
- Anti-corrosive finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

On request:

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



CHARACTERISTIC CURVE AT 1.2KG/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) | 3210 |
| Speed (rpm) | 2900 |
| Approx. weight (kg) | 47 |

ERP

| | | | |
|----------------------|--------|----------------------|-------------------------|
| Efficiency | 45.5% | Pressure (Pa) | 2235 |
| Efficiency grade N | 47.8 | Input power (kW) | 4.409 |
| Measurement category | A | Speed (rpm) | 2906 |
| Efficiency category | Static | Variable speed drive | VSD built-in to the fan |
| Specific ratio | 1.02 | ErP compliance | 2015 |
| Flowrate (m³/h) | 3095 | | |

MOTOR DATA

| | |
|-----------------------------|------|
| Rated Mechanical Power (kW) | 4 |
| Hz/phases | 50/3 |
| Motor VSD Max. (rpm) | 2900 |
| Motor VSD Min. (rpm) | 1160 |
| Poles | 2P |
| Max. current (A) 380-415 V | 9.44 |
| Motor protection | IP55 |
| Motor frame size | 112 |

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 | 523.5 | 430 | 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

