

CMR/EW-1031-2T-IE3-VSD1-P



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



Fan:

- Sheet steel casing.
- Backward-curved impeller 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.

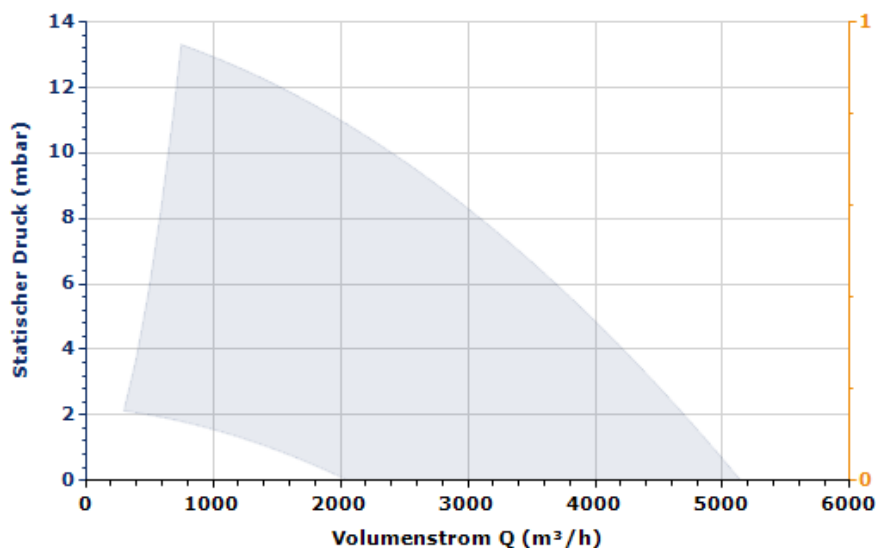
Finish:

- Anticorrosive 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.

KENNLINIE FÜR 1,2KG/M³



Nennbetriebspunkt

Q (m ³ /h)	
Pe (mbar)	

Betriebspunkt (BP)

Q (m ³ /h)	
Pe (mbar)	
Pd (mbar)	
Pt (mbar)	
Drehzahl (rpm)	
Max. Temp. (°C)	
Luftaustrittsgeschwindigkeit (m/s)	
Mechanische Leistung (kW)	

TECHNISCHE MERKMALE

Max. Volumenstrom (m ³ /h)	5144
Drehzahl (U/Min)	2875
Ung. Gewicht (kg)	44,30



ERP

Wirkungsgrad	58,8%	Druck (Pa)	961
Wirkungsgrad N	68,2	Elektrische Leistung (kW)	1,254
Messkategorie	A	Drehzahl (U/Min)	2916
Effizienzklasse	Statisch	Frequenzumrichter (VSD)	Im Ventilator integrierter Frequenzumrichter (VSD)
Spezifisches Verhältnis	1,01	ErP compliance	2015
Volumenstrom (m ³ /h)	2553		

MOTORDATEN

Mechanische Bemessungsleistung (kW)	1,50
Hz/Phasen	50/1
Motor VSD max. (U/Min)	2875
Motor VSD min. (U/Min)	1150
Pole	2
Max. Stromstärke (A) 220-240 V	16,15
Motorschutz	IP55
Größe des Motorgestells	90

Die Daten können sich ändern. Siehe Motortypenschild.

VERFÜGBARES ZUBEHÖR

Kein Zubehör.

ABMESSUNGEN

A	B	C	ØD1 [1]	ød	ød1	ød2	E	F	G	H	I	K	k2
542	626	573,5	315	383	356	M8	250	292	245	381	320	250	285
L	M	N	øO1	P	Q	R	T	J	J1	J2	S	s	s1
315	276	35	11	472	556	17,5	320	385	75	350	250	100	92,5
s2	W	øz	U										
285	315	9	-										

[1] Empfohlener Nennleitungsdurchmesser

Die Abmessungen ohne ausdrückliche Angabe von Einheiten sind in Millimetern (mm)

