W1G200-EA91-22

EC axial fan - ESM

sickled blades (S series)

ESM wall ring



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Nominal data

Type	**W1G200-EA91-22**
Motor	**M1G055-BD**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50/60	50/60
Type of data definition			ml
Speed	min^{-1}	1500	2200
Power input	W	-	28.1
Current draw	A		0.21
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	50	50

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

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Technical features

Mass	0.95 kg
Size	200 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	PP-TD20 plastic
Number of blades	5
Direction of rotation	"V"
Type of protection	IP 54
Insulation class	"B"
Humidity class	F3-1
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Speed selection max/min - Soft start - Over-temperature protected motor
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
Cable exit	Lateral
Protection class	II
Product conforming to standard	CE
Approval	VDE; UL 2111; CSA C22.2 Nr.77

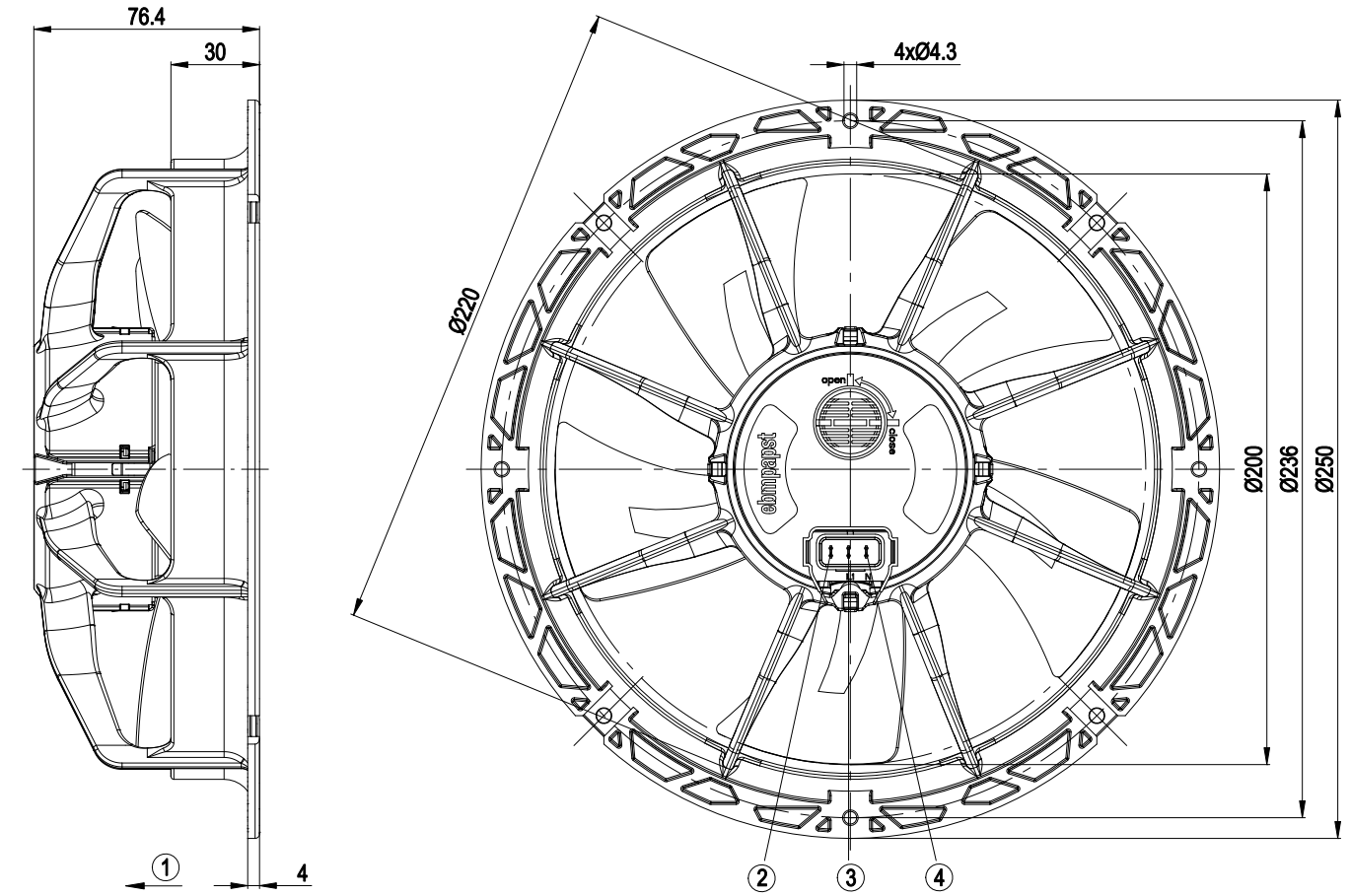
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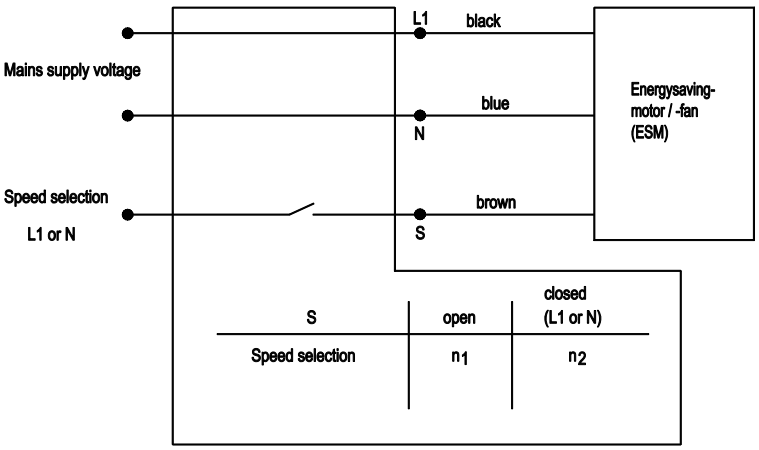
ESM wall ring

Product drawing



1	Direction of air flow "V"
2	PIN S, speed selection (flat plug 2.8 x 0.5)
3	PIN L1, phase (flat plug 2.8 x 0.5)
4	PIN N, neutral conductor (flat plug 2.8 X 0.5)

Connection screen



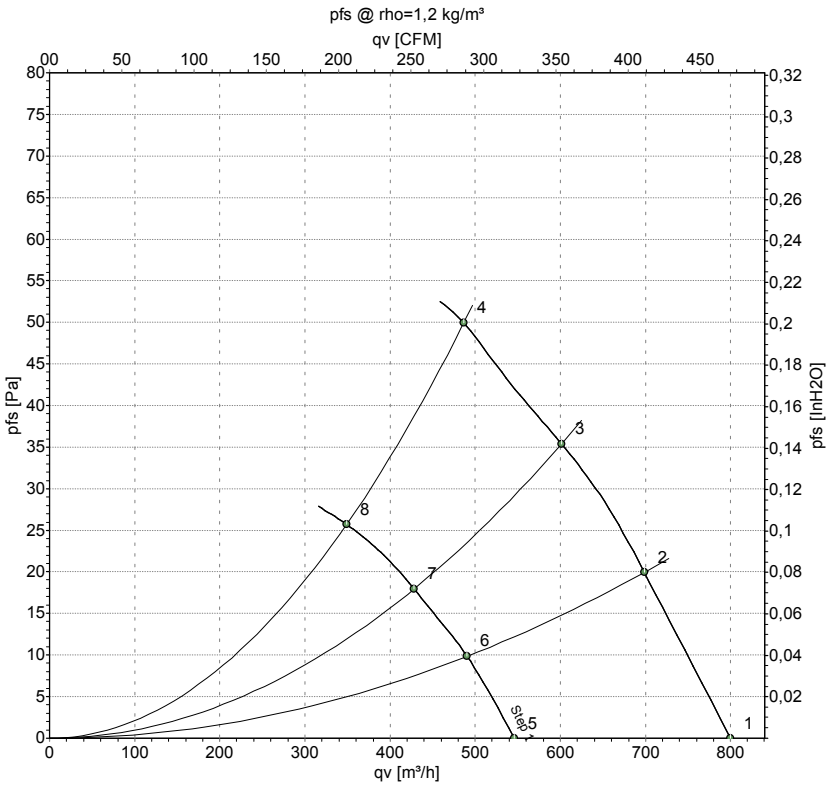
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Charts: Air flow 50 Hz



Measurement: LU-121648
Measurement: LU-68033

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	Stage	U	f	n	P_{ed}	I	qv	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa
1		230	50	2200	25	0.19	800	0
2		230	50	2200	27	0.21	700	20
3		230	50	2200	28	0.21	600	35
4		230	50	2200	28	0.21	485	50
5	1	230	50	1500	13	0.10	545	0
6	1	230	50	1500	13	0.10	490	10
7	1	230	50	1500	14	0.10	430	18
8	1	230	50	1500	15	0.11	350	26

U = Supply voltage · f = Frequency · n = Speed · P_{ed} = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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