W1G200-EA91-06

EC axial fan

sickled blades (S series)

ESM wall ring

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Nominal data

Type	**W1G200-EA91-06**	
Motor	**M1G055-BD**	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min^{-1}	1900
Power input	W	23
Current draw	A	0.18
Max. back pressure	Pa	40
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	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	1 kg
Size	200 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	PP 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	Any
Condensate discharge holes	None
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)
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	<= 0.25 mA
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	VDE; CSA C22.2 Nr.77; UL 2111

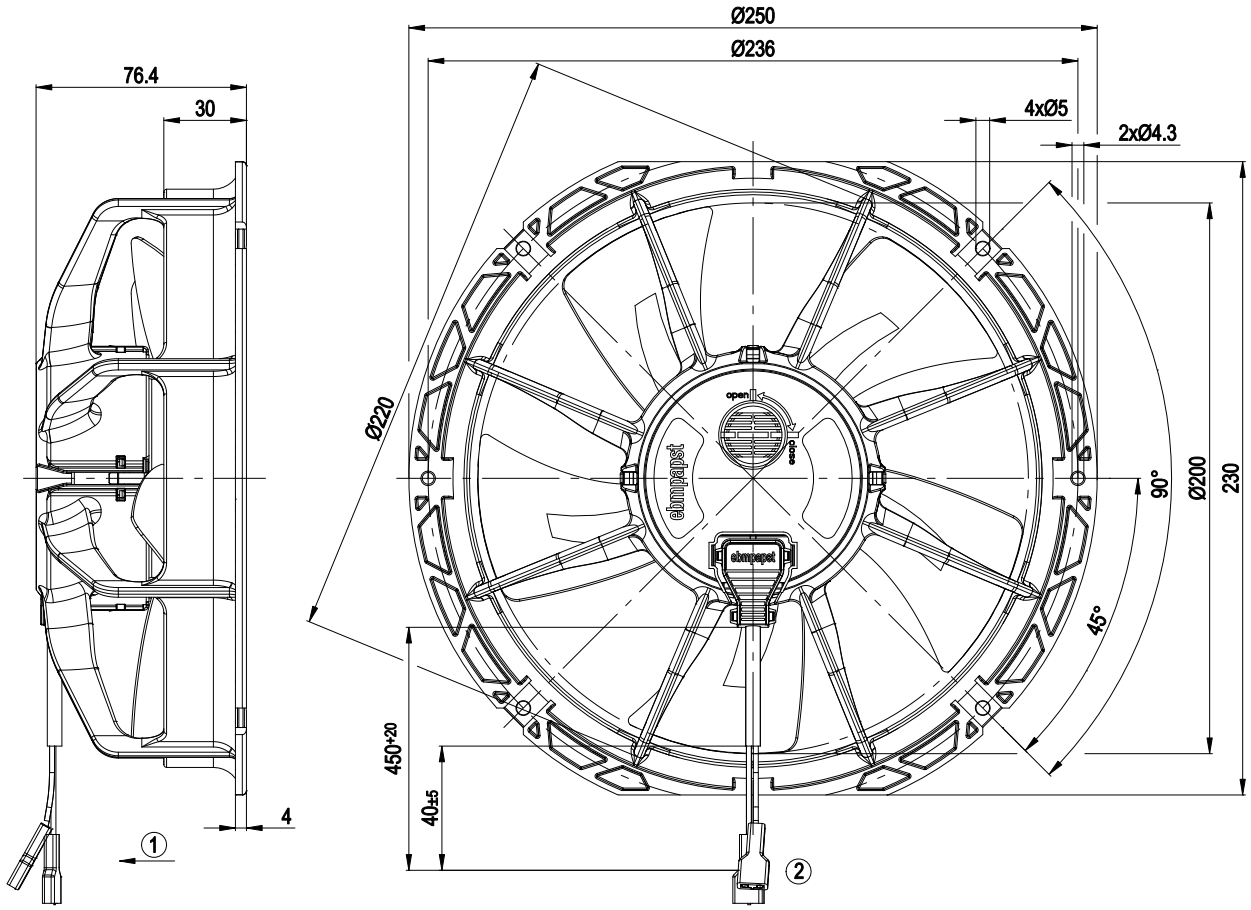
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Product drawing



1	Direction of air flow "V"
2	Connection line AWG20, 2 x crimped receptacles for tabs 6.3 x 0.8 with tab housing crimped

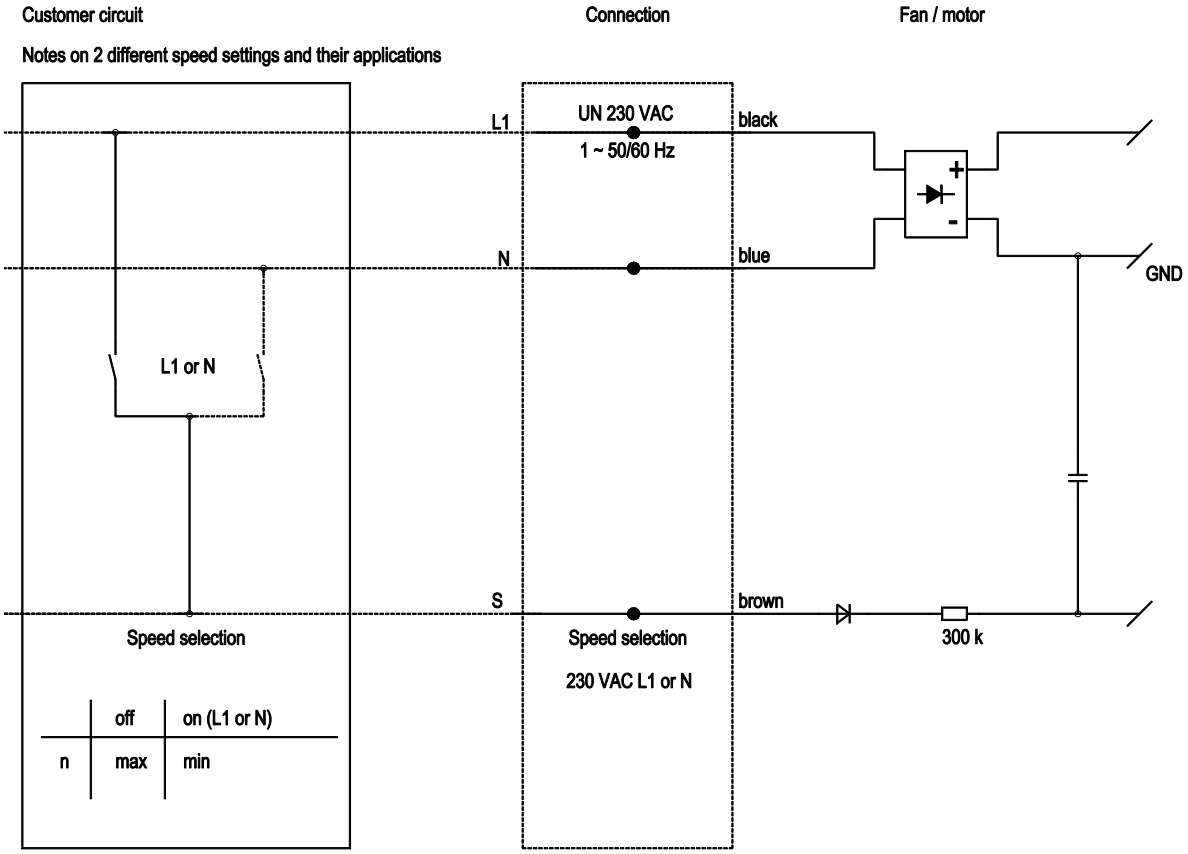
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Connection screen



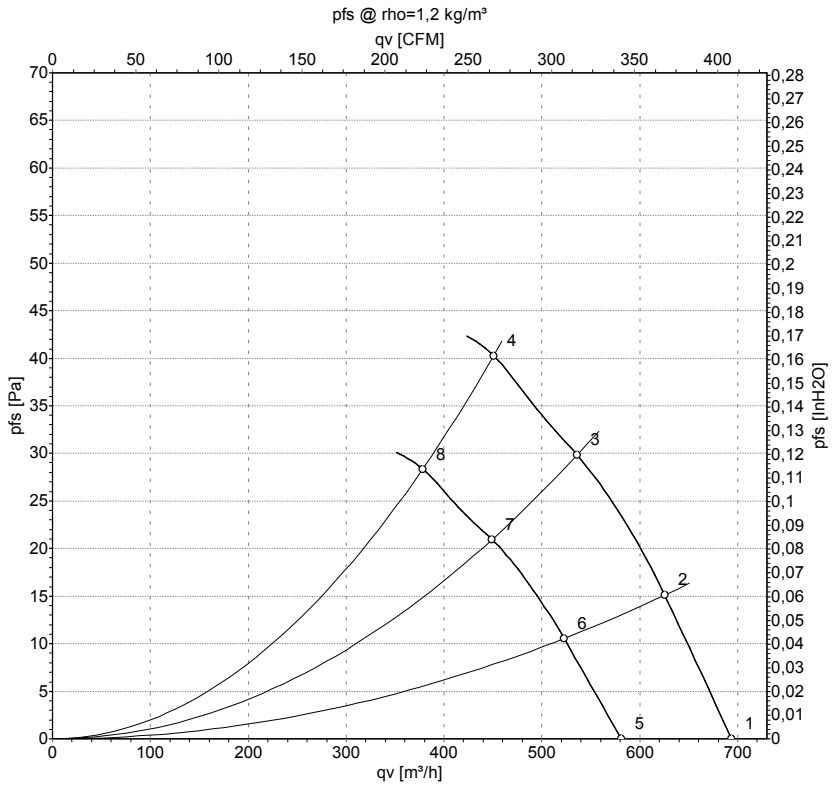
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Charts: Air flow 50 Hz



Measurement: LU-119096

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

	U	f	n	P_{ed}	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	1900	18	0.15	695	0
2	230	50	1900	21	0.16	625	15
3	230	50	1900	23	0.18	535	30
4	230	50	1900	23	0.18	450	40
5	230	50	1600	11	0.09	580	0
6	230	50	1600	12	0.10	525	11
7	230	50	1600	13	0.10	450	21
8	230	50	1600	14	0.11	380	29

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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