W1G200-ED55-10

EC axial fan

sickled blades (S series)

ESM wall ring

W1G200-ED55-10 ebmpapst Datasheet
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Nominal data

Type	**W1G200-ED55-10**
Motor	**M1G055-AI**

Phase		1~
Nominal voltage	VAC	115
Nominal voltage range	VAC	100 .. 130
Frequency	Hz	50/60
Type of data definition		ml
Speed	min^{-1}	1600
Power input	W	15
Current draw	A	0.2
Max. back pressure	Pa	33
Min. ambient temperature	°C	-30
Max. ambient temperature	°C	60

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	0.8 kg
Size	200 mm
Material of impeller	PA plastic
Material of wall ring	PP plastic
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
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	- Motor current limit - Soft start
Motor protection	Locked-rotor protection
Cable exit	Lateral
Protection class	II

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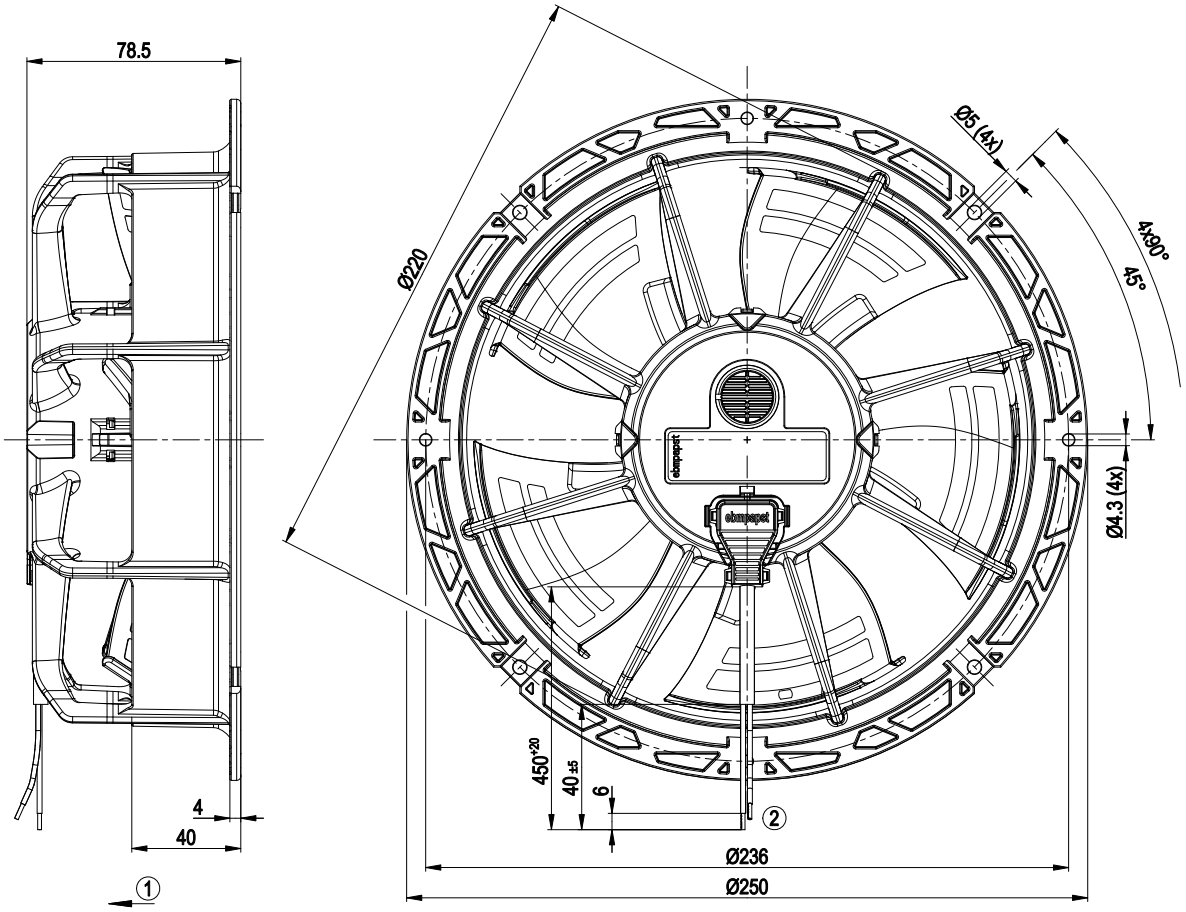
Product drawing



1	Direction of air flow "V"
2	Connection line AWG20; 2x lead tips crimped

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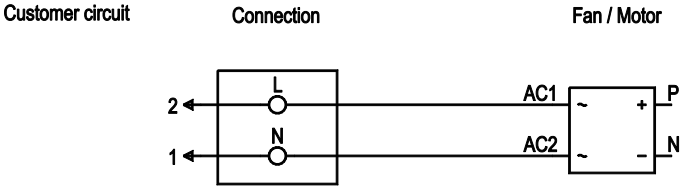
Connection screen



No.	Conn.	Designation	Colour	Function / assignment
	1	N	blue	Neutral conductor
	2	L	black	Power supply 100-130 VAC, 50-60 Hz, see type plate for voltage range

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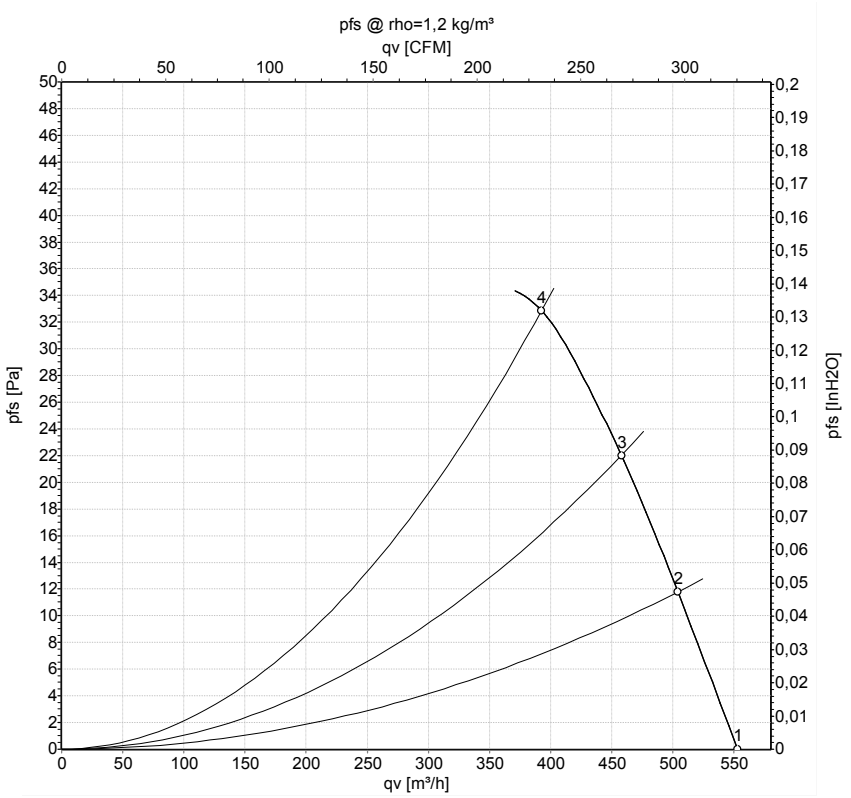
Charts: Air flow 50 Hz



Measurement: LU-162586

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	LpA_{in}	LwA_{in}	qv	p_{fs}
	V	Hz	min^{-1}	W	A	dB(A)	dB(A)	m^3/h	Pa
1	115	50	1600	13	0.19	47	55	555	0
2	115	50	1600	14	0.20	46	54	505	12
3	115	50	1600	15	0.20	47	55	460	22
4	115	50	1600	15	0.20	49	57	395	33

U = Supply voltage · f = Frequency · n = Speed · P_{ed} = Power input · I = Current draw · LpA_{in} = Sound pressure level inlet side · LwA_{in} = Sound power level inlet side · qv = Air flow
p_{fs} = Pressure increase