

W1G200-EC95-43

EC axial fan - ESM

sickled blades (S series), single inlet
ESM wall ring



W1G200-EC95-43 ebmpapst Datasheet
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Nominal data

Type	W1G200-EC95-43	
Motor	M1G055-BD	
Phase		1~
Nominal voltage	VAC	115
Frequency	Hz	50/60
Type of data definition		ml
Speed (rpm)	min ⁻¹	1550
Power input	W	12
Current draw	A	0.2
Max. back pressure	Pa	30
Min. ambient temperature	°C	-30
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



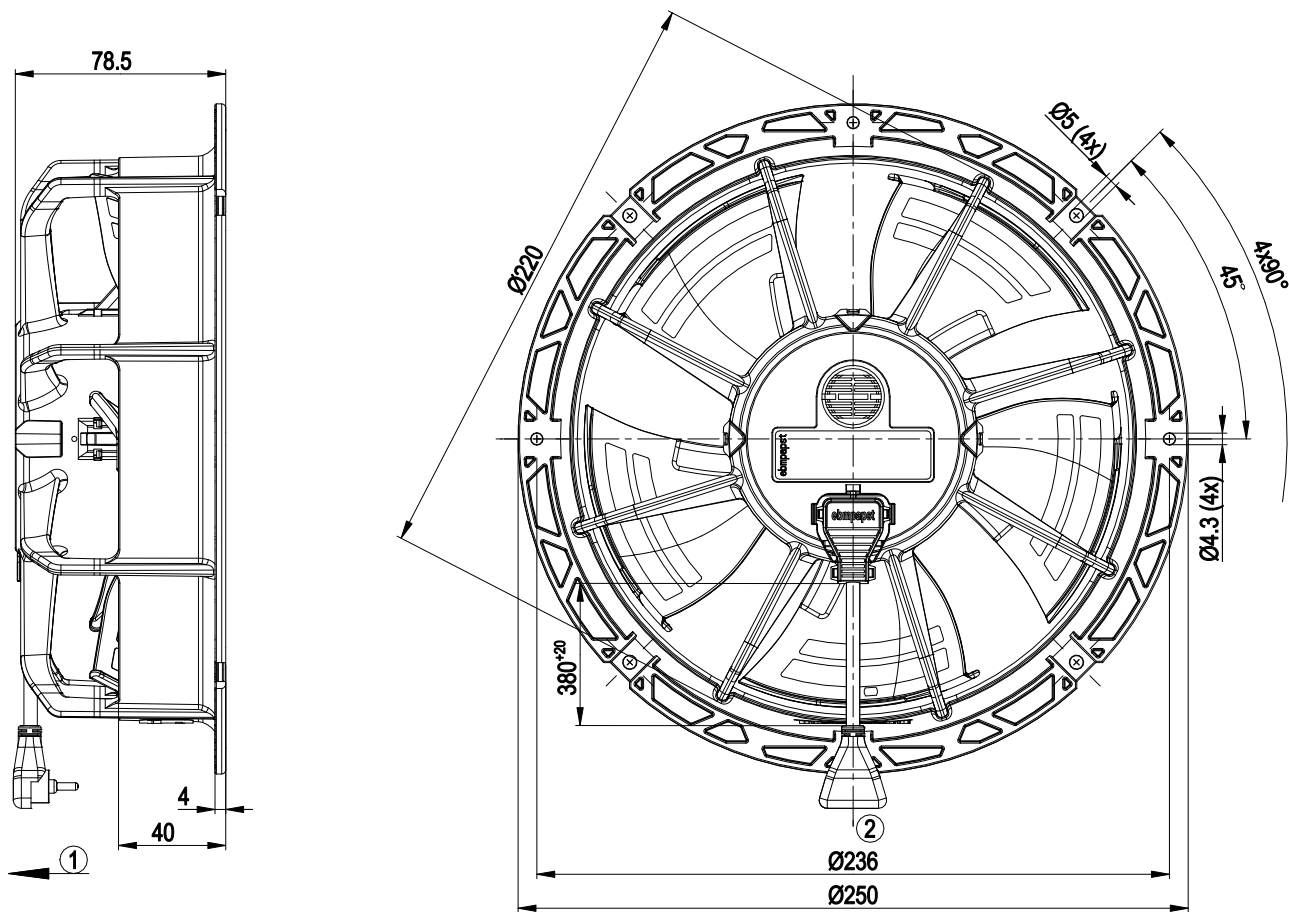
Technical features

Mass	1 kg
Size	200 mm
Material of blades	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 (F)/environmental protection class (H)	H1
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 - ESM+ extensible with plug-in module - Soft start - Over-temperature protected motor
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
Electrical leads	With plug
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Approval	CSA C22.2 No.77; UL 1004-3

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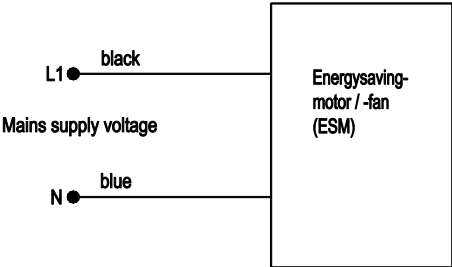
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Product drawing



- | | |
|---|---|
| 1 | Direction of air flow "V" |
| 2 | Connection line AWG20, 2x plug contact Heyco 7033 crimped with connector similar to EMF Corporation P-2-3 |

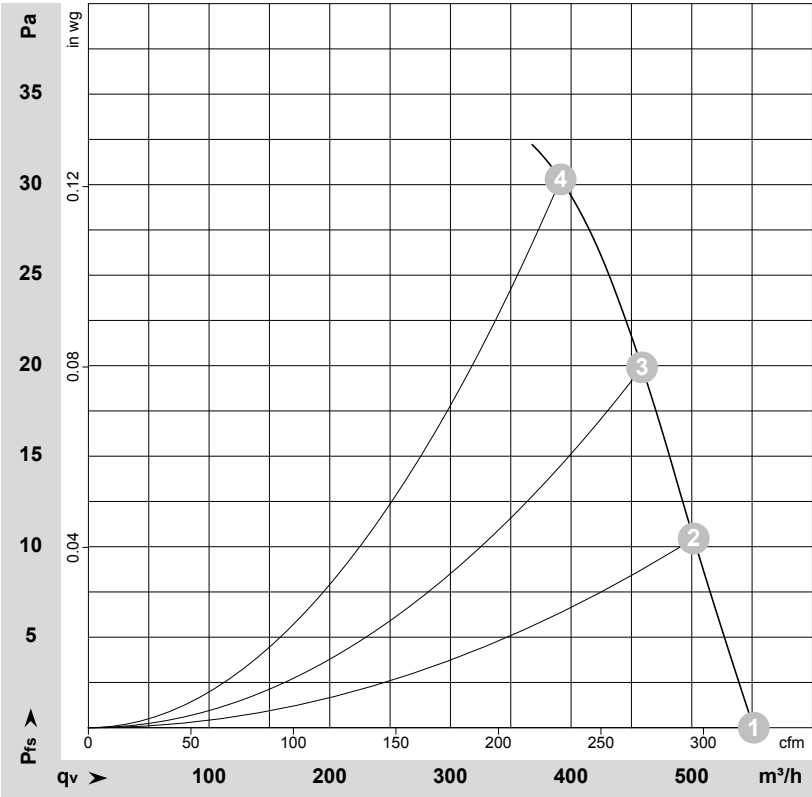
Connection screen



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Charts: Air flow 50 Hz



$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$

Measurement: LU-168287-1

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	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	cfm	inH ₂ O
1	115	50	1550	11	0.17	550	0	325	0.00
2	115	50	1550	12	0.18	500	10	295	0.04
3	115	50	1550	12	0.19	460	20	270	0.08
4	115	50	1550	12	0.20	390	30	230	0.12

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

