W1G200-ED55-01

EC axial fan

sickle-shaped blades (S series)

ESM fan housing



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Nominal data

Type	**W1G200-ED55-01**
Motor	**M1G055-AI**

Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Method of obtaining data		ml
Speed (rpm)	min^{-1}	1300
Power consumption	W	9.5
Current draw	A	0.09
Max. back pressure	Pa	21
Max. back pressure	inH2O	0.08
Min. ambient temperature	°C	-30
Max. ambient temperature	°C	50

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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Technical description

Weight	0.8 kg
Fan size	200 mm
Impeller material	PA plastic
Fan housing material	PP plastic
Number of blades	5
Airflow direction	"V"
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP54
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	F3-1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Technical features	- Motor current limitation - Soft start
Motor protection	Locked-rotor protection
With cable	Lateral
Protection class	II
Conformity with standards	CE
Approval	CCC

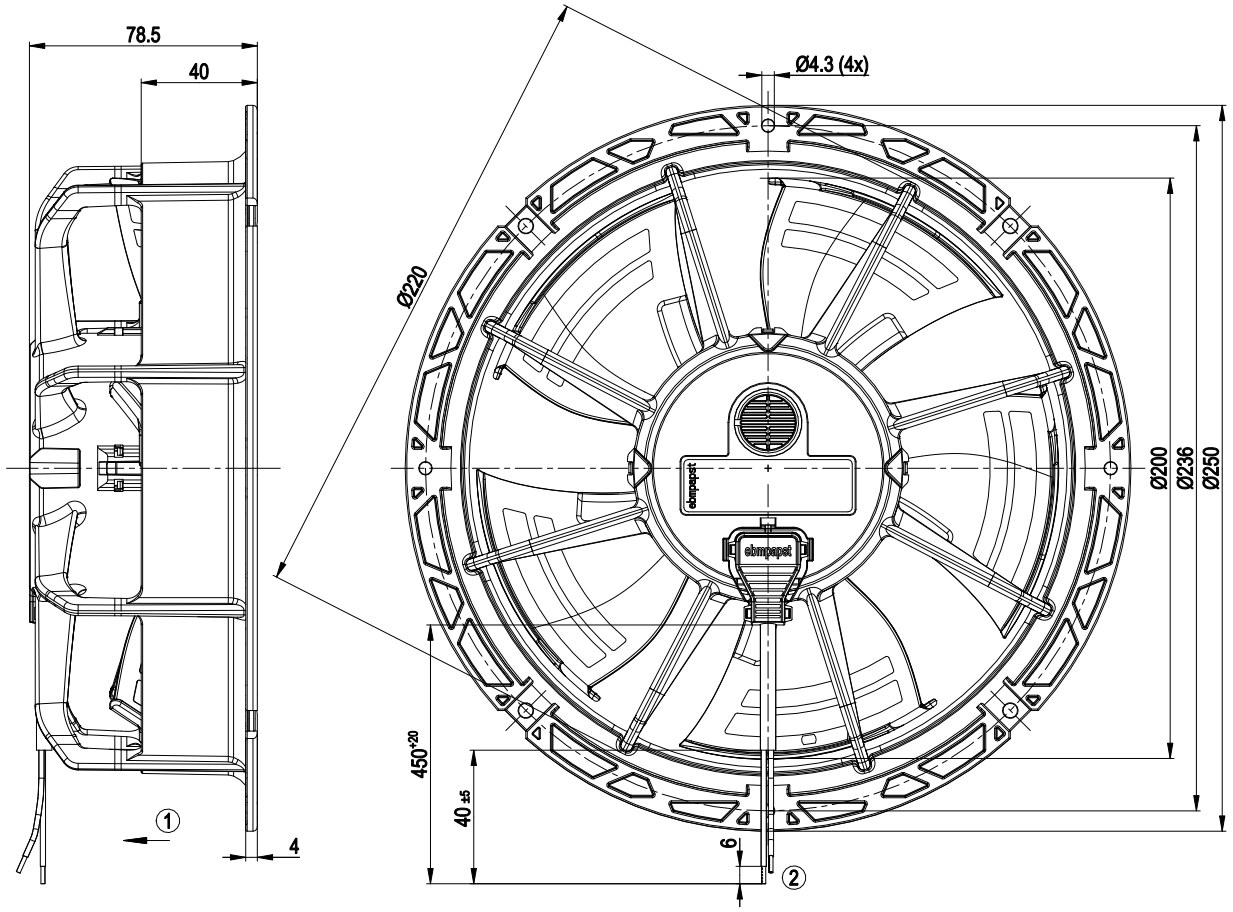
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Product drawing



1	Direction of air flow "V"
2	Cable AWG20; 2x crimped splices

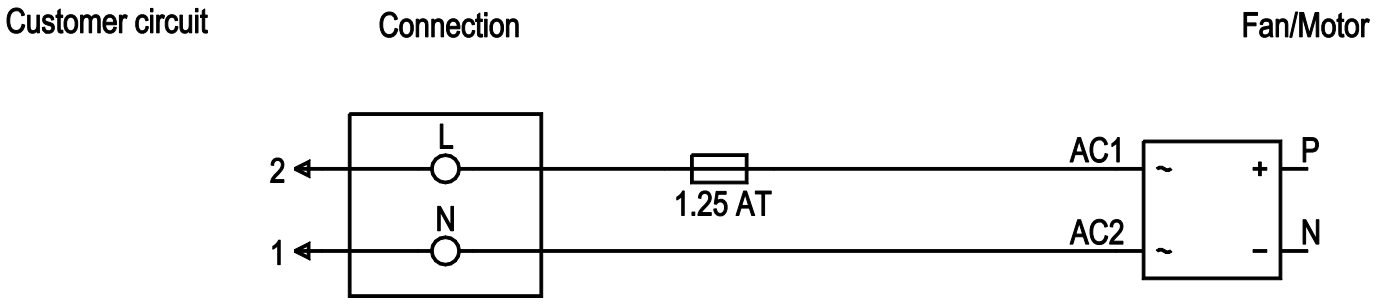
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Connection diagram



No.	Conn.	Designation	Color	Function/assignment
	1	N	blue	Neutral conductor
	2	L	black	Power supply 230 VAC, 50 - 60 Hz

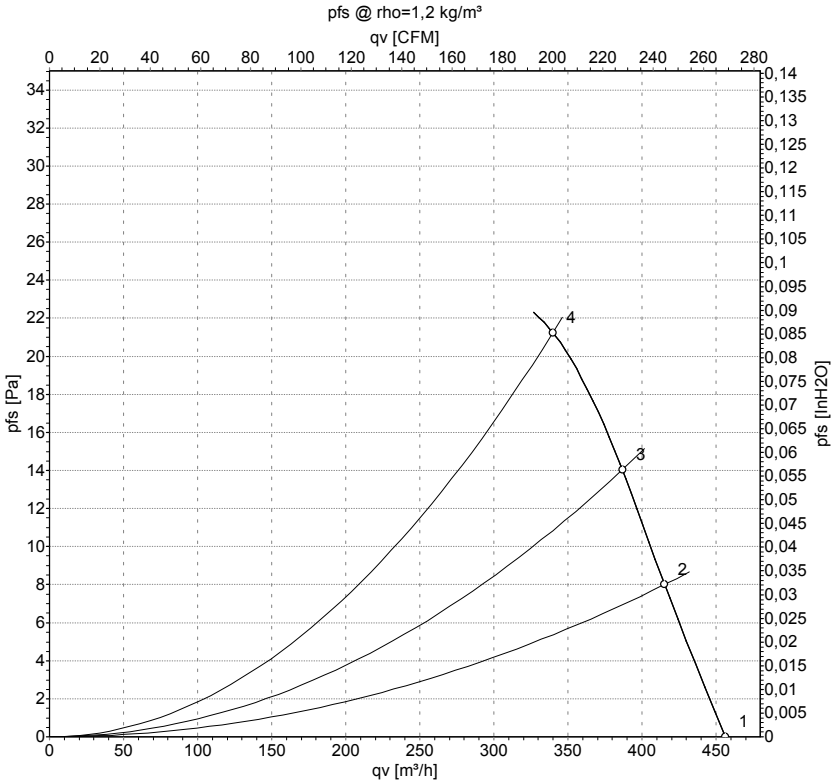
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Curves: Air performance 50 Hz



Measurement: LU-144332-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	f	n	P_{ed}	I	qv	p_{fs}	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	230	50	1300	7.0	0.07	455	0	270	0.00
2	230	50	1300	8.0	0.07	415	8	245	0.03
3	230	50	1300	8.0	0.08	385	14	230	0.06
4	230	50	1300	9.5	0.09	340	21	200	0.08

U = Power supply · f = Frequency · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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