A1G200-AC91-09/A01

EC axial fan - ESM

sickled blades (S series)

A1G200-AC91-09/A01 ebmpapst Datasheet
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Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner: Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court Stuttgart · HRB 590142

Nominal data

Type	**A1G200-AC91-09/A01**
Motor	**M1G055-BD**

Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min^{-1}	2100
Power input	W	31
Current draw	A	0.24
Max. back pressure	Pa	55
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

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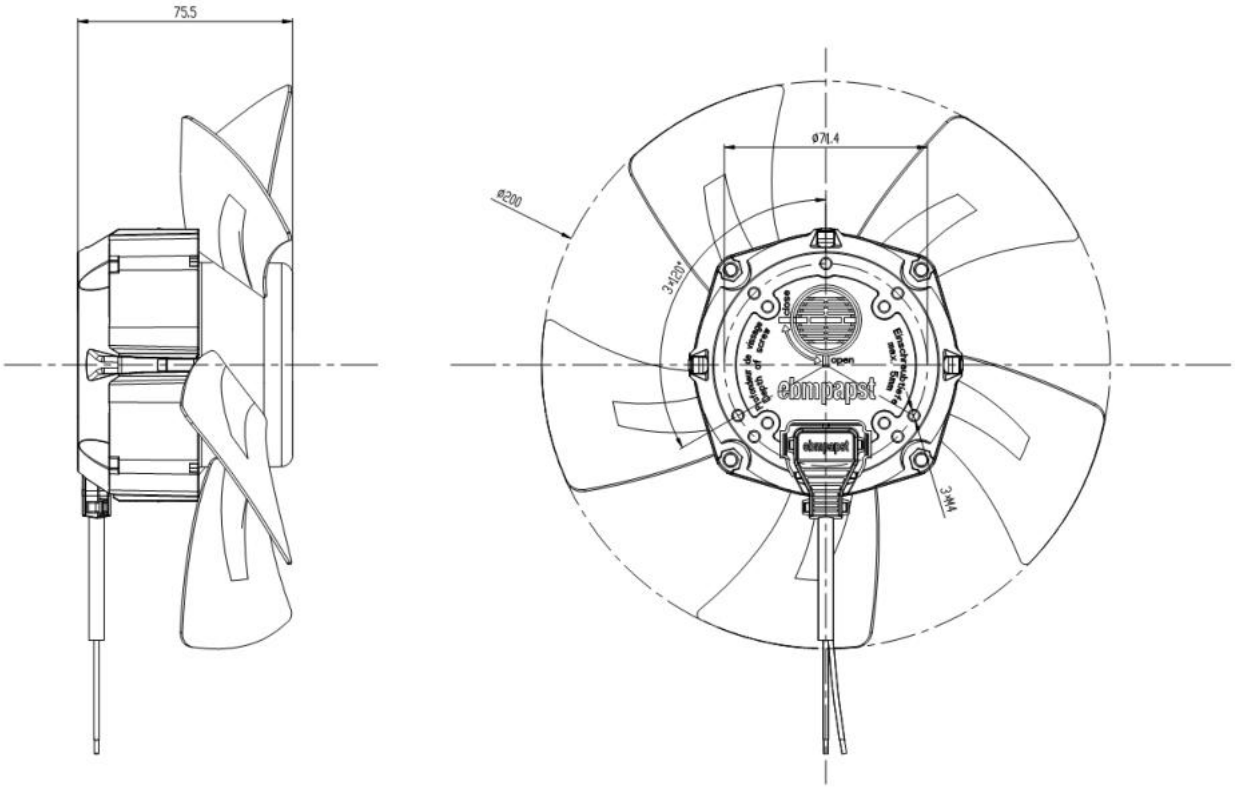
Technical features

Mass	1.0 kg
Size	200 mm
Material of impeller	sheet metal
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"
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	- Over-temperature protected motor - Soft start - Speed selection max/min
Speed steps	2
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)
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Product conforming to standard	EN 60335-1; CE
Approval	CSA C22.2 Nr.113; UL 507; VDE

Product drawing



mounting position 3xM4 on the round 71.4

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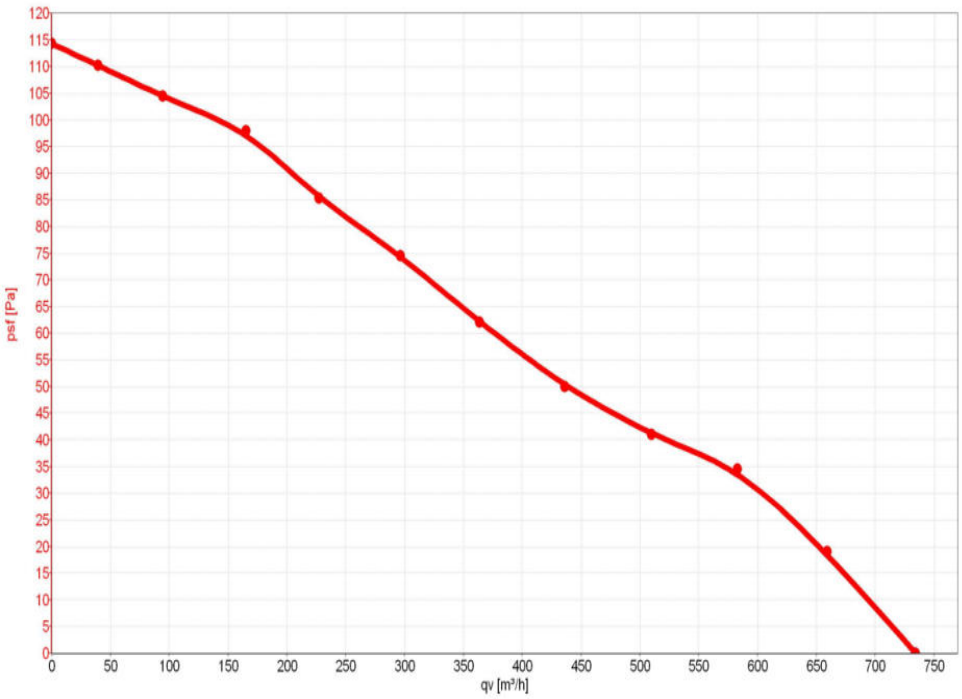
Charts: Air flow 50 Hz



Measurement: LU-990

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	2130	26.1	0.20	734	0
2	230	50	2117	27.4	0.22	659	19
3	230	50	2131	29.9	0.23	582	41
4	230	50	2131	29.2	0.23	509	50
5	230	50	2115	29.3	0.23	436	50
6	230	50	2118	30.5	0.24	363	62
7	230	50	2040	33	0.26	296	74
8	230	50	1983	34.7	0.27	227	85