K1G200-AA89-13

EC centrifugal module

sickled blades (S series), single inlet

with support bracket

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Nominal data

Type	**K1G200-AA89-13**
Motor	**M1G055-BD**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz		50/60
Type of data definition			ml
Speed	min^{-1}	1400	1600
Power input	W	-	15
Current draw	A		0.13
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	50	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	1.2 kg
Size	200 mm
Surface of rotor	Cast in PA plastic
Material of impeller	PA plastic
Material of support bracket	PA plastic
Material of inlet nozzle	PA plastic
Number of blades	7
Direction of rotation	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, open rotor
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Speed adjustment input (230 V) - ESM+ extensible with plug-in module - Soft start - Over-temperature protected motor
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
Protection class	II
Product conforming to standard	EN 60335-1; CE
Approval	UL 2111; CSA C22.2 Nr.77; VDE

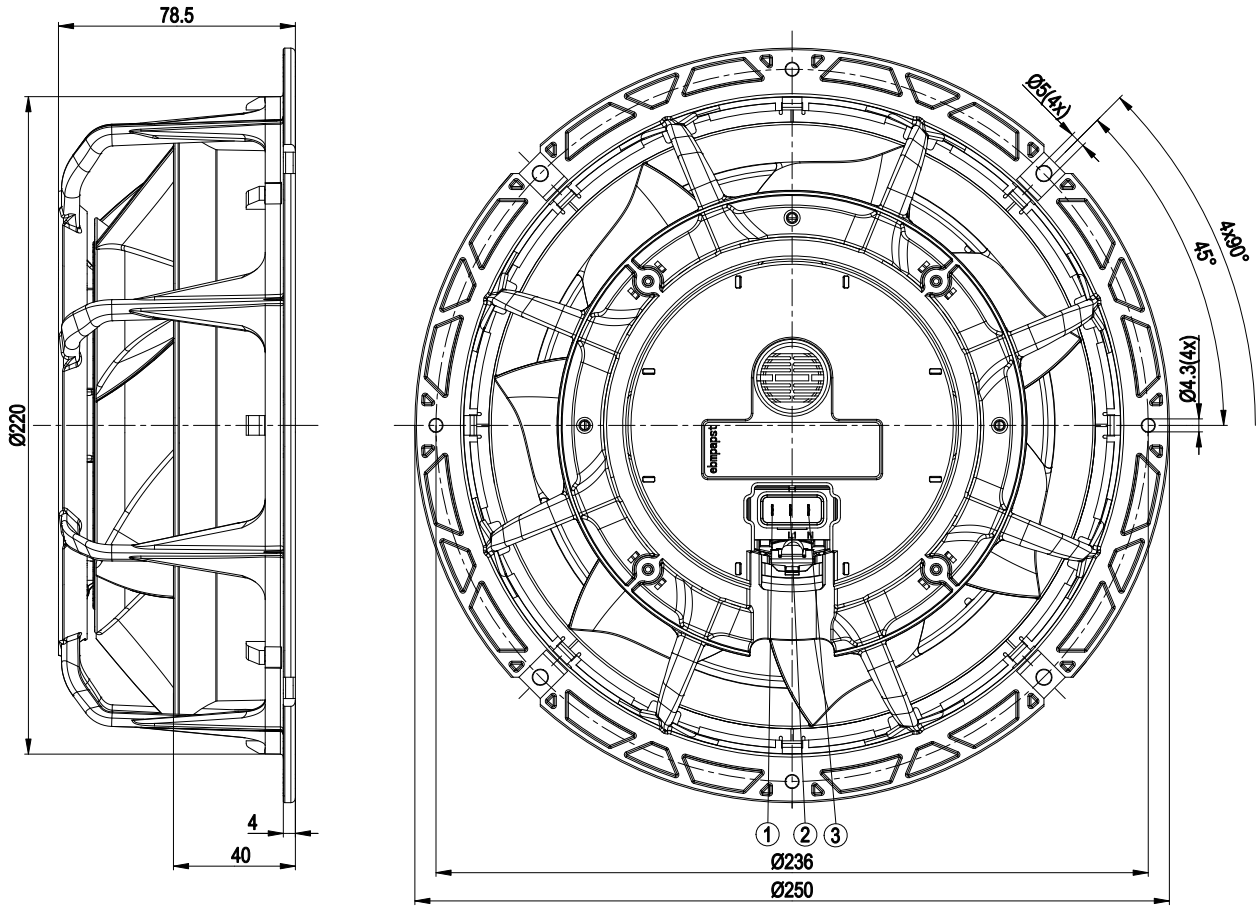
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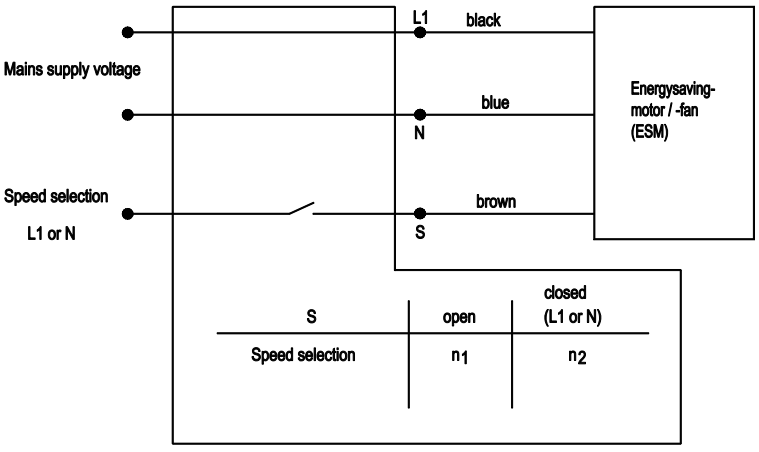
with support bracket

Product drawing



1	PIN S, speed selection (flat plug 2.8x0.5)
2	PIN L1, phase (flat plug 2.8x0.5)
3	PIN N, neutral conductor (flat plug 2.8x0.5)

Connection screen



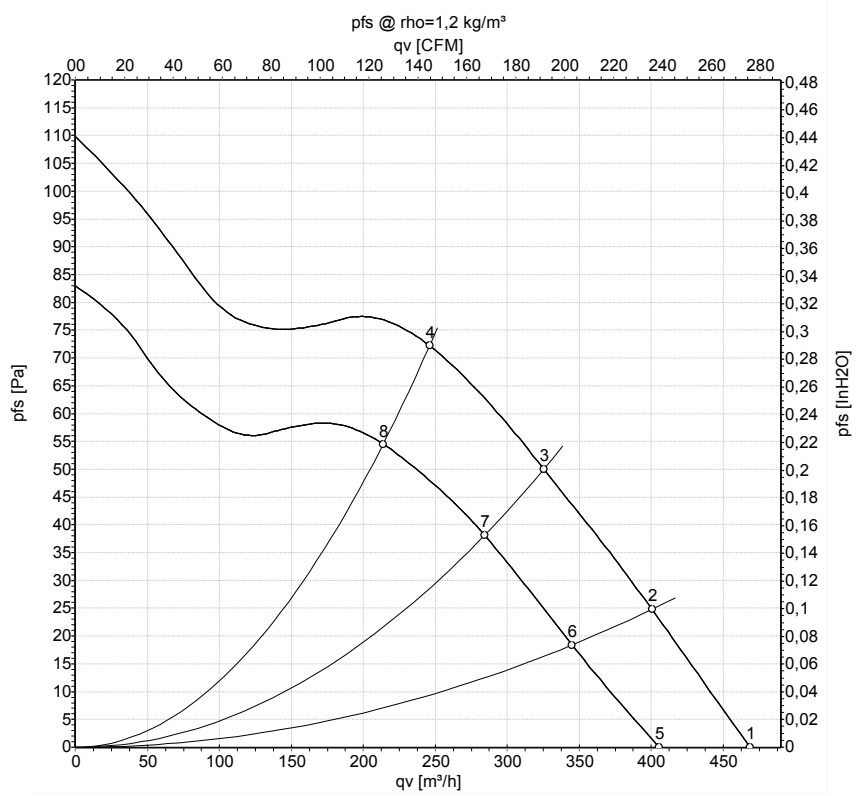
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Charts: Air flow 50 Hz



Measurement: LU-162194
Measurement: LU-152446

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	1600	14	0.12	470	0
2	230	50	1600	15	0.13	400	25
3	230	50	1600	15	0.13	325	50
4	230	50	1600	15	0.13	245	72
5	230	50	1400	9.0	0.08	405	0
6	230	50	1400	10.0	0.08	345	18
7	230	50	1400	10.0	0.09	285	38
8	230	50	1400	10.0	0.09	215	55

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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