K1G200-AA95-02

EC diagonal module - ESM

sickled blades (S series)

with support bracket



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Nominal data

Type	**K1G200-AA95-02**
Motor	**M1G055-BD**

Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50/60	50/60
Type of data definition		ml	
Speed (rpm)	min^{-1}	2000	1500
Power input	W	31	
Current draw	A	0.5	
Max. back pressure	Pa	120	
Min. ambient temperature	°C	-30	-30
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	Uncoated
Material of impeller	PA plastic
Material of support bracket	PA plastic
Number of blades	7
Direction of rotation	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, open rotor
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
Speed steps	2
EMC interference immunity	Acc. to EN 61000-6-2
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; EN 60335-2-24; EN 60335-2-80; EN 60335-2-89; CE
Approval	CSA C22.2 No.77; UL 1004-3; VDE; EAC

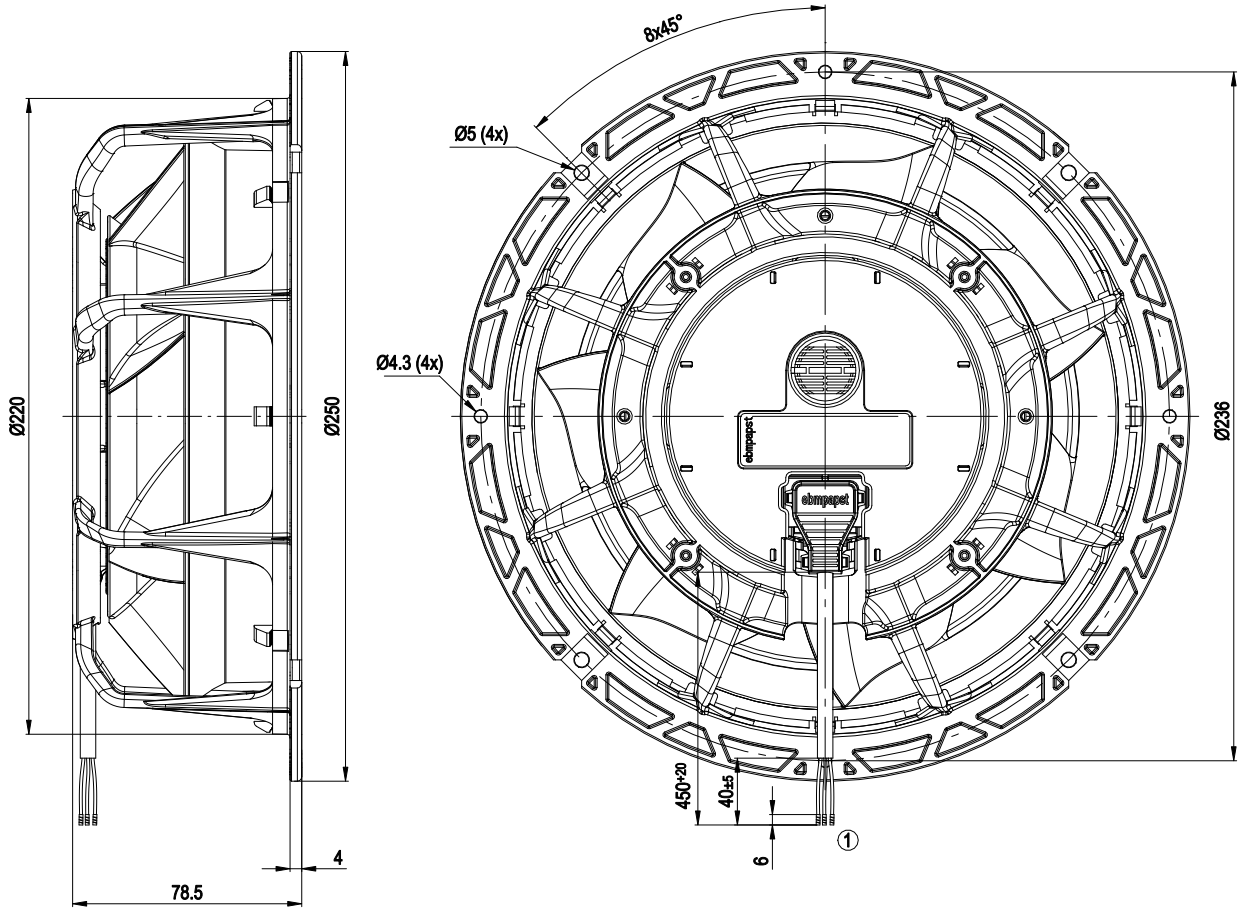
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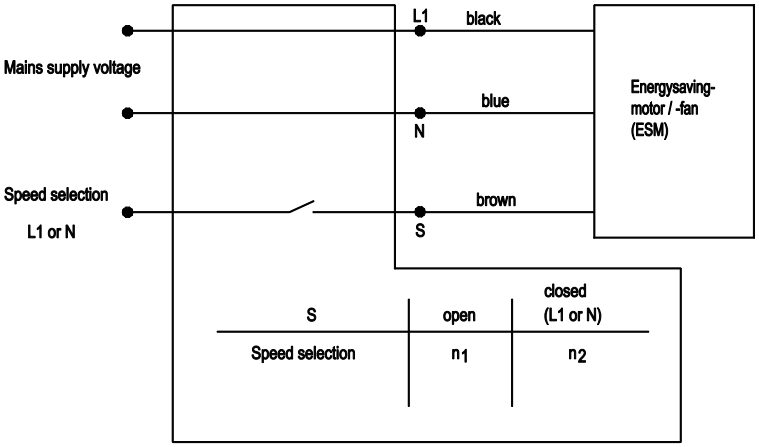
with support bracket

Product drawing



1	Connection line AWG20, 3x brass lead tips crimped

Connection screen



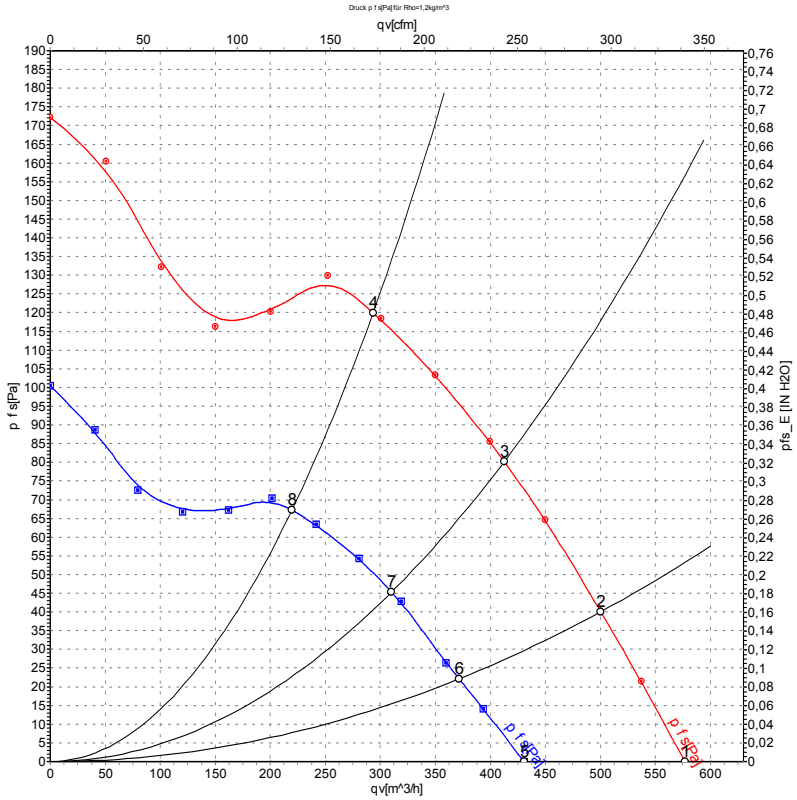
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Charts: Air flow 50 Hz



Measurement: LU-123230-1
Measurement: LU-123233-1

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	inH2O
1	115	50	2000	27	0.38	575	0	340	0.00
2	115	50	2000	29	0.42	500	40	295	0.16
3	115	50	2000	31	0.50	415	80	245	0.32
4	115	50	2000	30	0.43	295	120	170	0.48
5	115	50	1500	14	0.22	430	0	255	0.00
6	115	50	1500	16	0.24	370	22	220	0.09
7	115	50	1500	17	0.26	310	46	180	0.18
8	115	50	1500	16	0.25	220	67	130	0.27

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

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