K1G200-AA73-02

EC diagonal module - ESM

blades with special design (K series)

with support bracket

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Nominal data

Type	**K1G200-AA73-02**
Motor	**M1G055-BD**

Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min^{-1}	2000/1500
Power input	W	38
Current draw	A	0.3
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	1.2 kg
Size	200 mm
Surface of rotor	Uncoated
Material of impeller	Plastic PA6, fibreglass-reinforced
Material of support bracket	Plastic PA6, fibreglass-reinforced
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	- Over-temperature protected motor - Speed selection max/min
Speed steps	2
EMC interference immunity	Acc. to EN 61000-6-2
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
EMC harmonics	Acc. to EN 61000-3-2/3
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

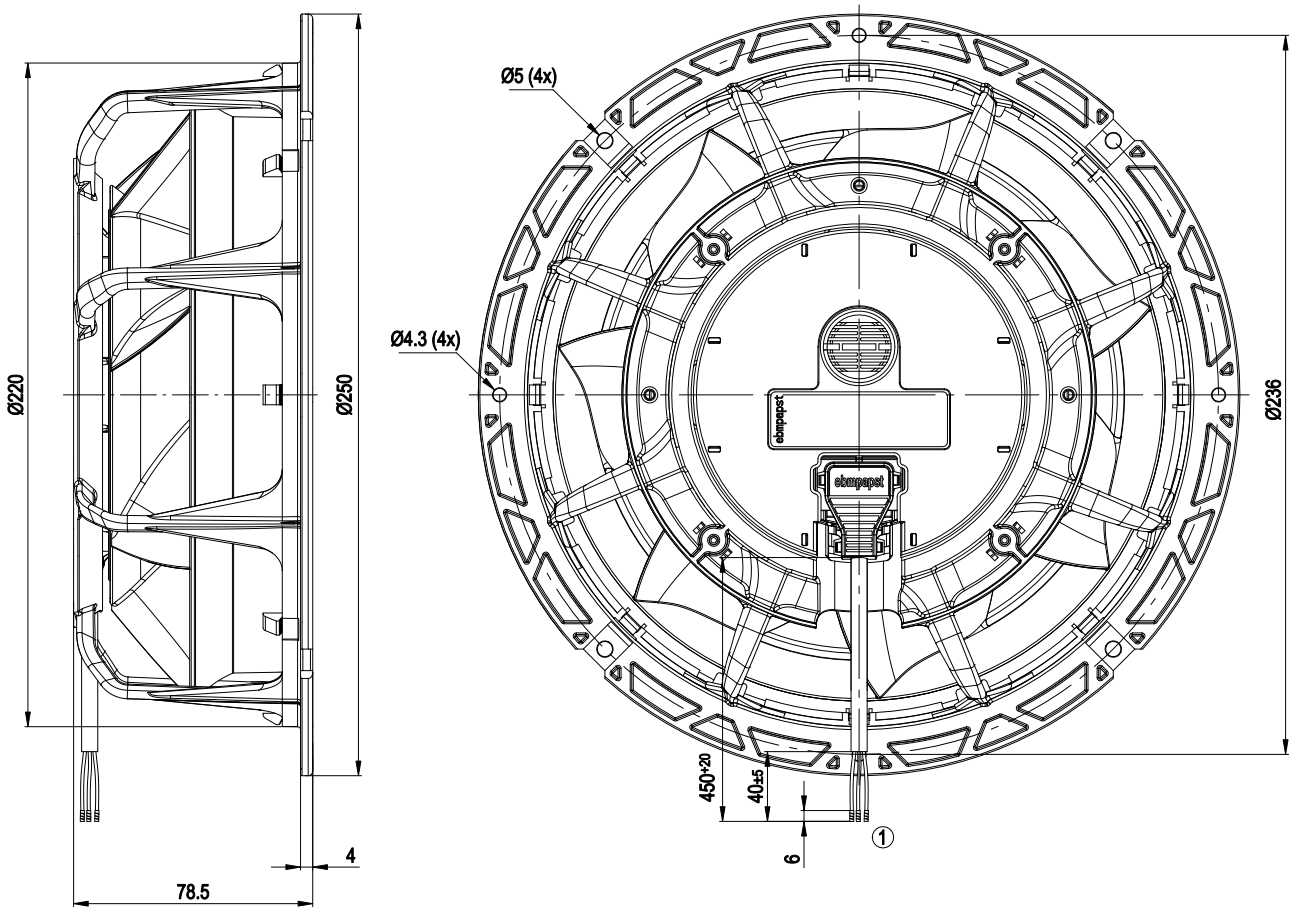
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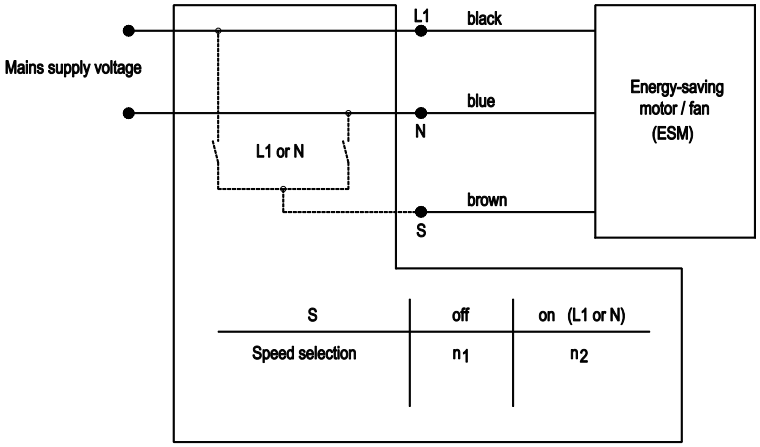
with support bracket

Product drawing



1	Connection line AWG20, 3x brass lead tips crimped

Connection screen



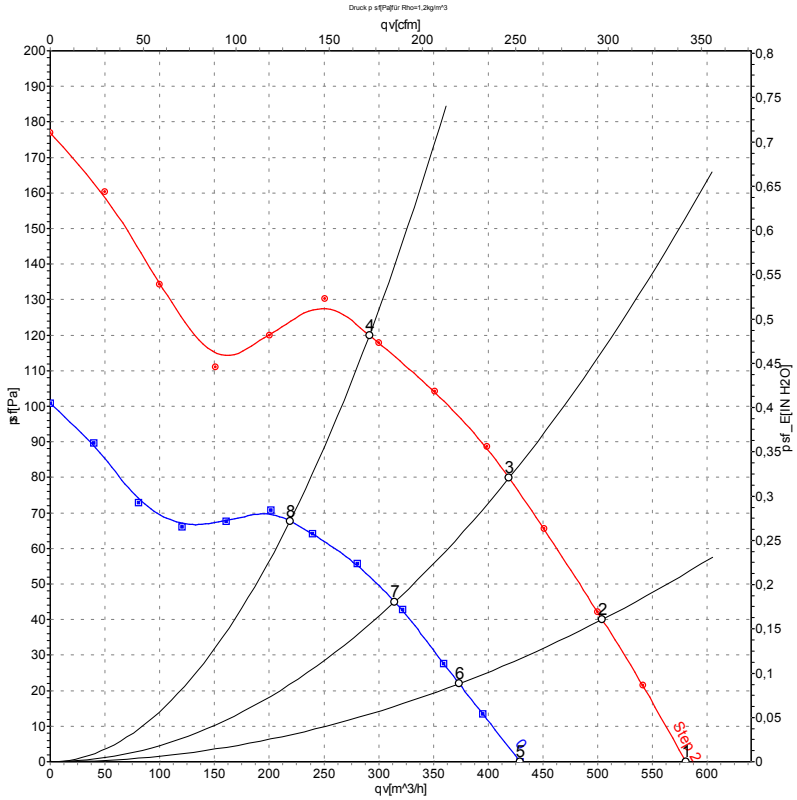
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Charts: Air flow 50 Hz



Measurement: LU-123220
Measurement: LU-123224

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

	Stage	U	f	n	P_e	I	qv	p_{sf}
		V	Hz	min^{-1}	W	A	m^3/h	Pa
1	2	230	50	2000	31	0.24	580	0
2	2	230	50	2000	33	0.26	505	40
3	2	230	50	2000	38	0.30	420	80
4	2	230	50	2000	36	0.27	290	120
5	2	230	50	1500	16	0.13	430	0
6	2	230	50	1500	19	0.14	375	22
7	2	230	50	1500	20	0.18	315	45
8	2	230	50	1500	18	0.14	220	68

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