K1G200-AA73-06

EC diagonal module - ESM

sickle-shaped blades (S series), single-intake

with support bracket



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Nominal data

Type	**K1G200-AA73-06**
Motor	**M1G055-BD**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz		50/60
Method of obtaining data			ml
Speed (rpm)	min^{-1}	1000	2000
Power consumption	W	-	35
Current draw	A		0.3
Max. back pressure	Pa		120
Max. back pressure	inH2O		0.48
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	50	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	1.2 kg
Fan size	200 mm
Impeller material	PA plastic
Support bracket material	PA plastic
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP54; only with suitable plug, to be installed by customer
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
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, open rotor
Mode	S1
Motor bearing	Ball bearing
Technical features	- Speed selection max./min. - Soft start - Thermal overload protection for motor
Speed levels	2
EMC immunity to interference	According to EN 61000-6-2 (industrial environment)
EMC circuit feedback	According to EN 61000-3-2/3
EMC interference emission	According to EN 61000-6-3 (household environment)
Motor protection	Thermal overload protector (TOP) internally connected
Protection class	II
Conformity with standards	EN 60335-1; EN 60335-2-24; EN 60335-2-80; EN 60335-2-89; CE
Approval	UL 1004-3; CSA C22.2 No. 77; VDE

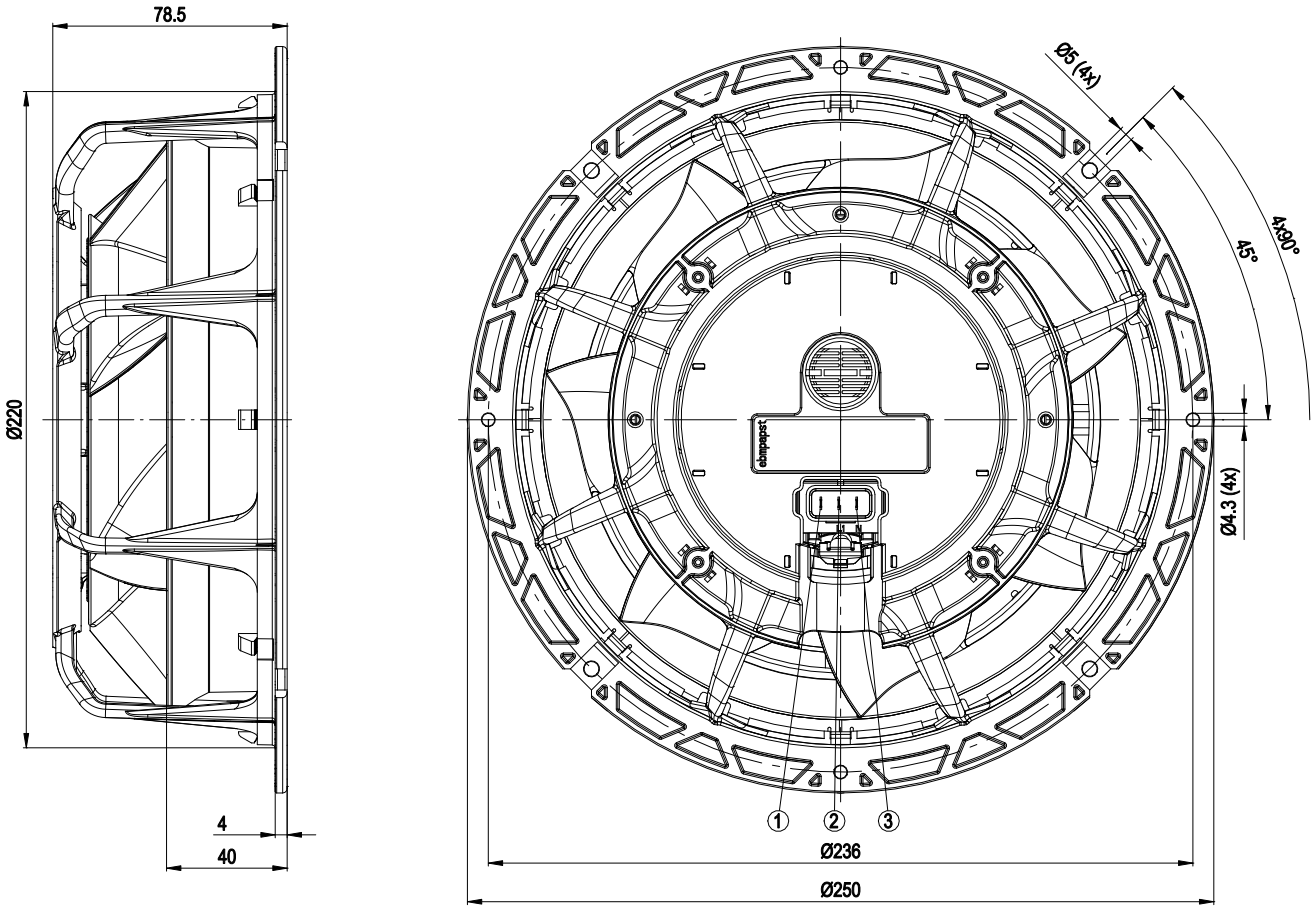
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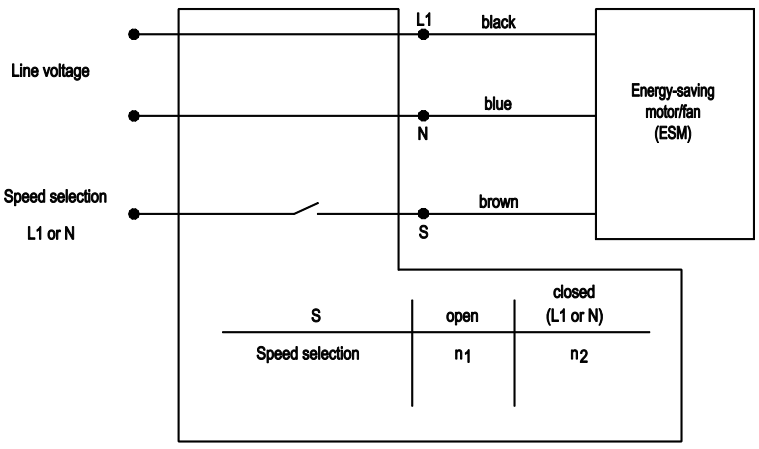
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Product drawing



1	Pin S, speed selection (flat plug 2.8 x 0.5)
2	Pin L1, phase (flat plug 2.8 x 0.5)
3	Pin N, neutral conductor (flat plug 2.8 x 0.5)

Connection diagram



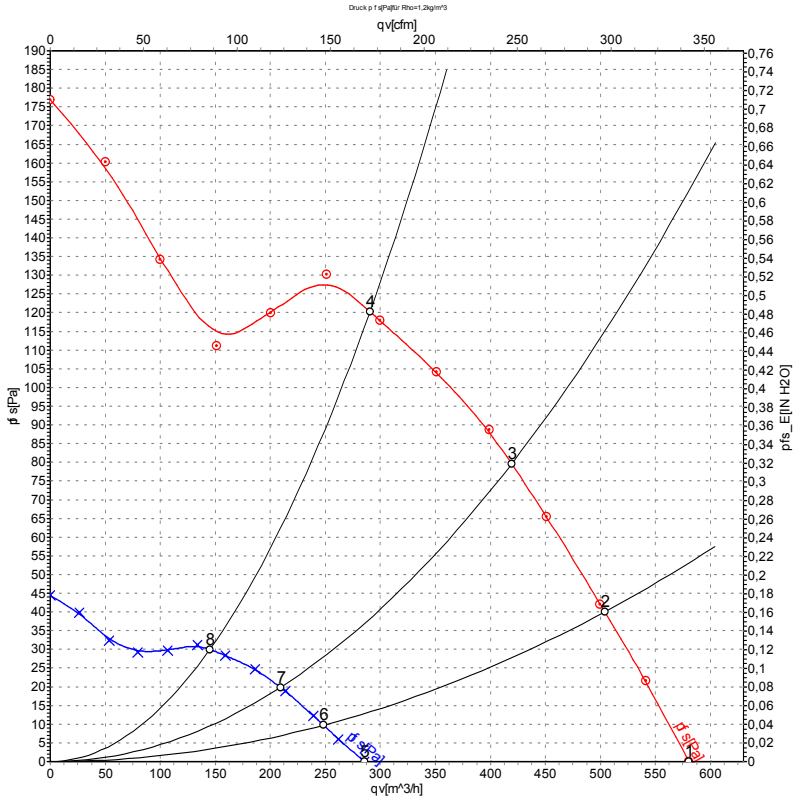
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Curves: Air performance 50 Hz



Measurement: LU-123220-1

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

	Stage	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	1	230	50	2000	31	0.24	580	0	340	0.00
2	1	230	50	2000	33	0.26	505	40	295	0.16
3	1	230	50	2000	35	0.30	420	80	245	0.32
4	1	230	50	2000	35	0.27	290	120	170	0.48
5	2	230	50	1000	4.8	0.04	285	0	170	0.00
6	2	230	50	1000	5.6	0.04	250	10	145	0.04
7	2	230	50	1000	5.9	0.05	210	20	125	0.08
8	2	230	50	1000	5.4	0.04	145	30	85	0.12

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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