G2S108-AE30-07

AC centrifugal fan

forward-curved, single-intake

with housing (flange)

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Nominal data

Type	**G2S108-AE30-07**
Motor	**M2S052-CA**

Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Method of obtaining data		ml
Valid for approval/standard		CE
Speed (rpm)	min^{-1}	1950
Power consumption	W	60
Current draw	A	0.35
Min. back pressure	Pa	85
Min. back pressure	in. wg	0.34
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	30
Starting current	A	0.5

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	1.6 kg
Size	108 mm
Motor size	52
Rotor surface	Rotor open, painted black
Impeller material	Sheet aluminum
Housing material	Die-cast aluminum
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP00
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
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
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; EN 60034-1; EN 60204-1; CE

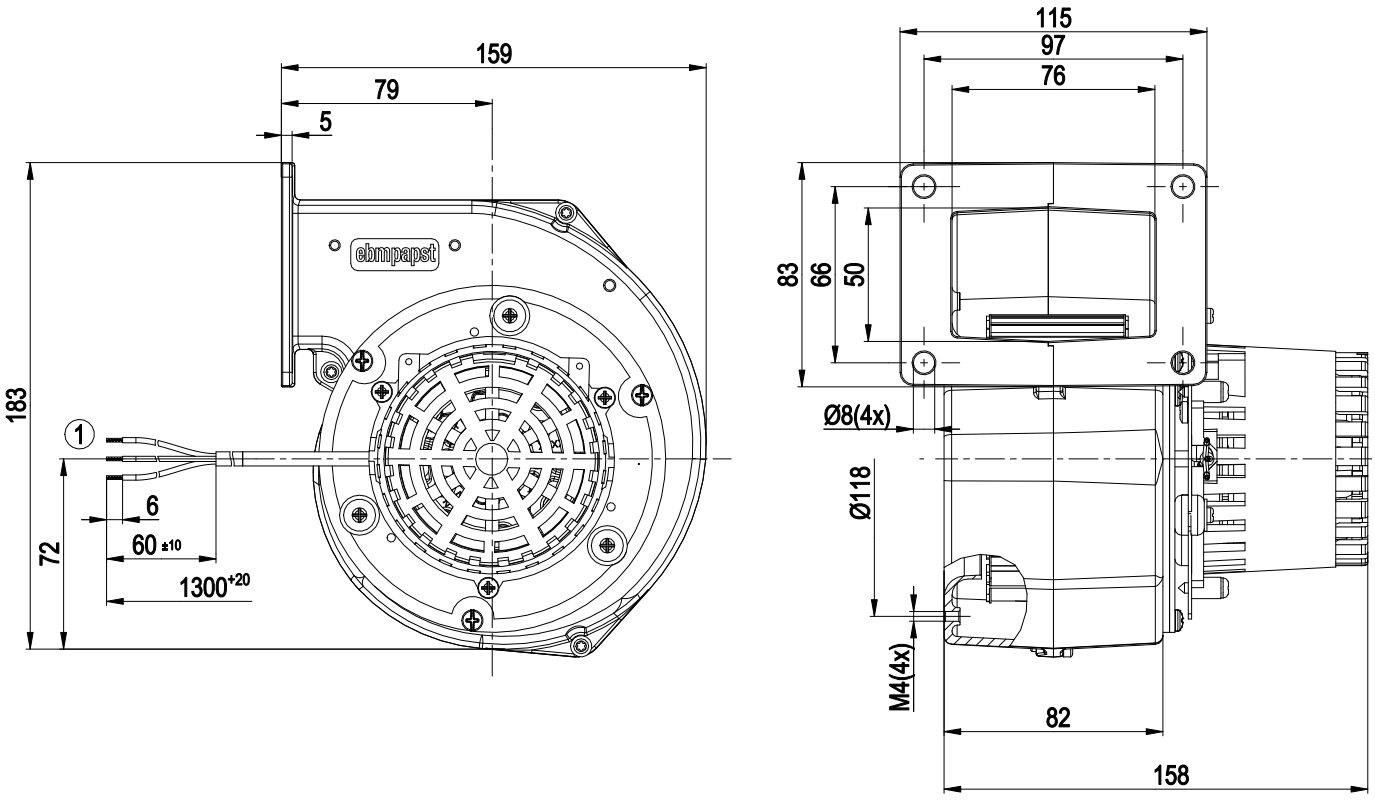
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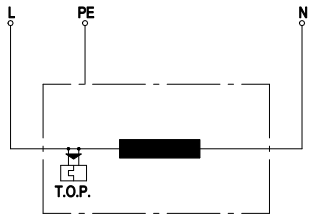
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Product drawing



1	Cable PVC 3G 0.5 mm²		3x splice

Connection diagram



L	= blue
PE	= green/yellow
N	= brown
TOP	= thermal overload protector

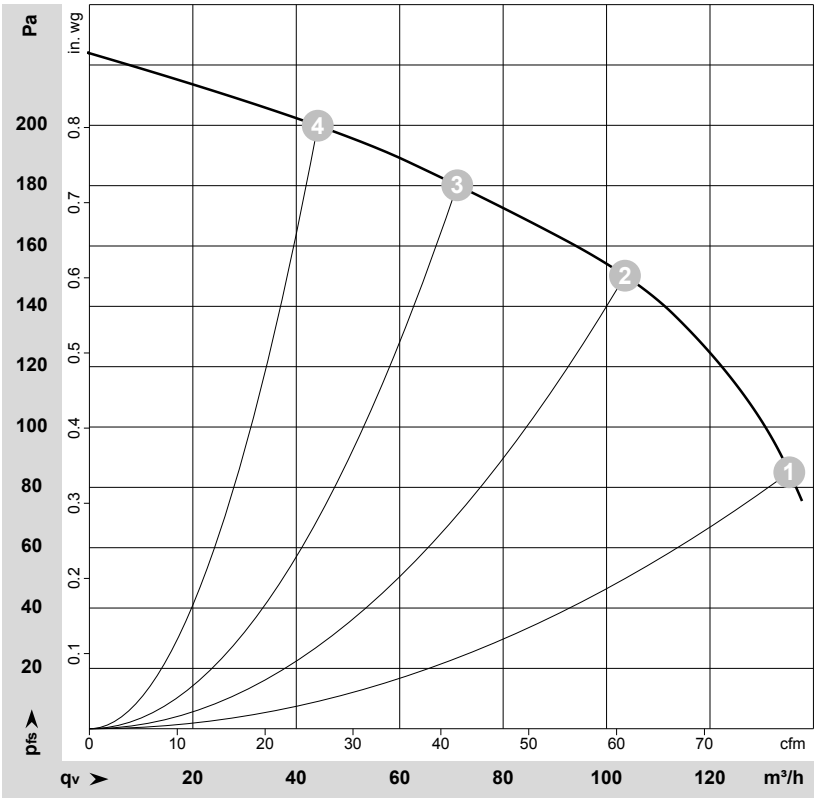
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Curves: Air performance 50 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-31711-1

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

	Wired	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	in. wg
1	1~	230	50	1950	60	0.35	135	85	80	0.34
2	1~	230	50	2260	53	0.32	105	150	60	0.60
3	1~	230	50	2450	49	0.31	70	180	40	0.72
4	1~	230	50	2560	47	0.31	45	200	25	0.80

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

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