

AC centrifugal fan

forward-curved, single-intake
with housing (without flange)

G2E097-FL64-26 ebmpapst Datasheet

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Nominal data

Type	G2E097-FL64-26	
Motor	M2E052-BF	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Method of obtaining data		fa
Valid for approval/standard		CE
Speed (rpm)	min ⁻¹	2350
Power consumption	W	36
Current draw	A	0.16
Capacitor	μF	1
Capacitor voltage	VDB	400
Capacitor standard		S0 (CE)
Min. back pressure	Pa	0
Min. back pressure	in. wg	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	75
Starting current	A	0.23

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



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Technical description

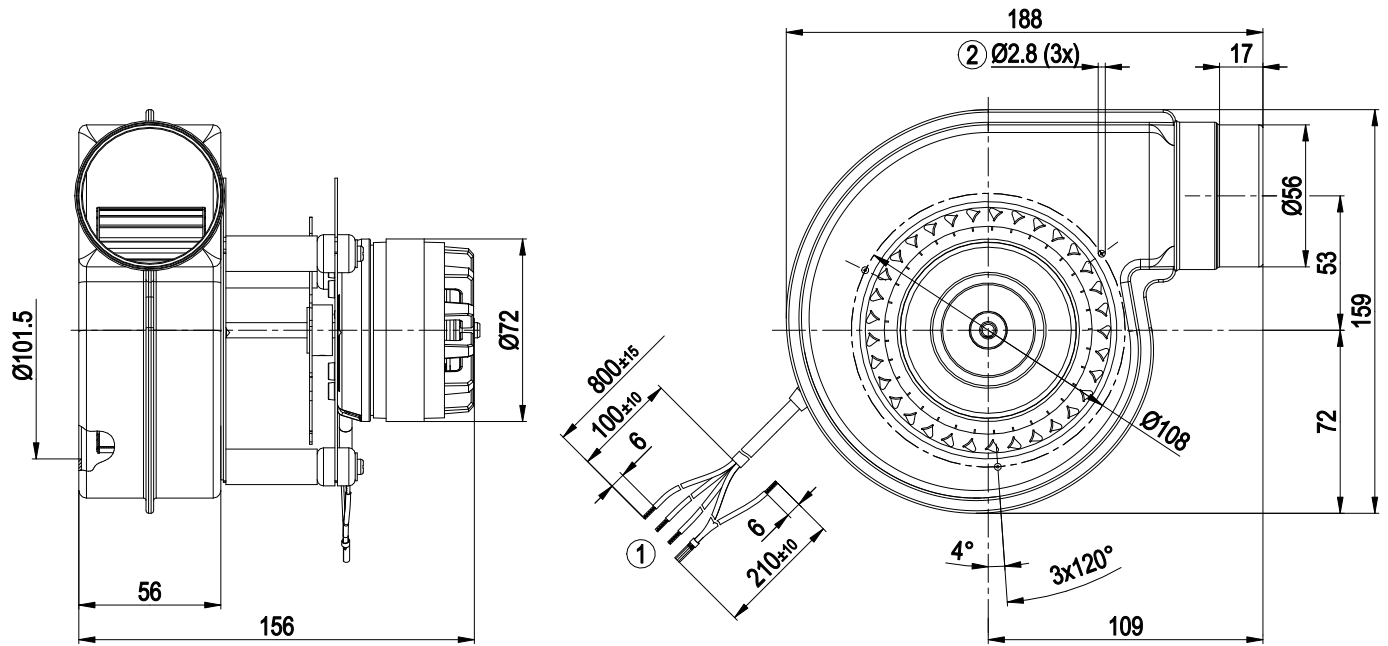
Weight	1.2 kg
Size	97 mm
Motor size	52
Rotor surface	Rotor open, painted black
Impeller material	Sheet steel, galvanized
Housing material	Sheet aluminum
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP20
Insulation class	"F"
Moisture (F) / Environmental (H) protection 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
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE



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Product drawing

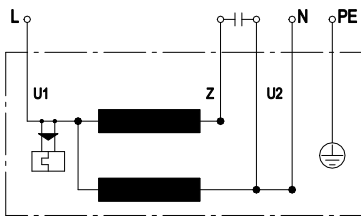


1	Cable ETFE 5x AWG20 4x splice, 1x wire-end ferrule
2	Extruded hole according to DIN 7952 for screw with self-tapping M5 thread according to DIN 7500

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Connection diagram



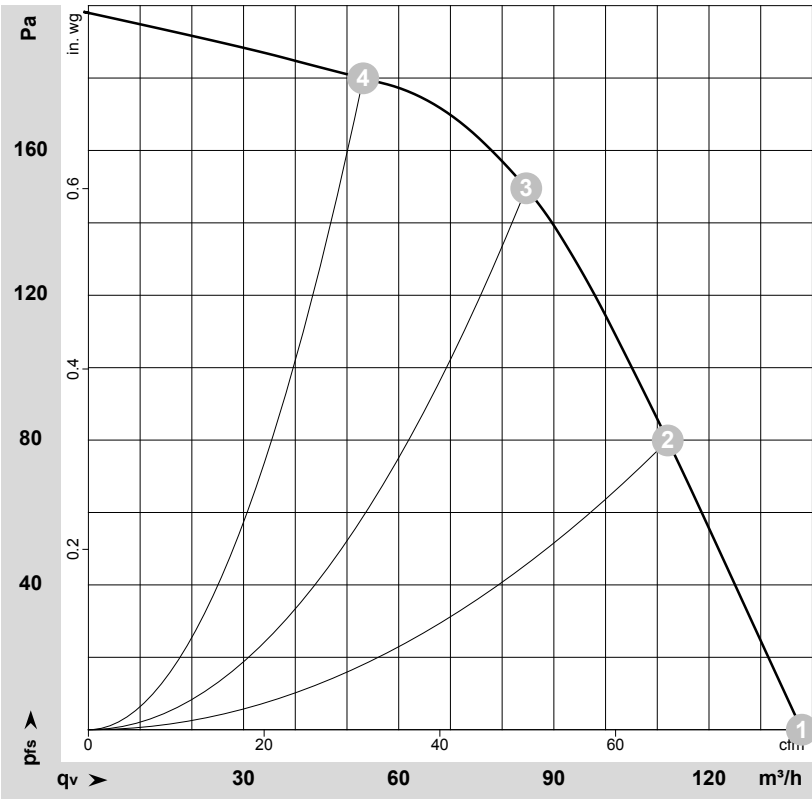
L	blue	Z	brown	U2	black
N	black	PE	green/yellow		



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Curves: Air performance 50 Hz



$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$

Measurement: LU-37231-1

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	2350	36	0.16	140	0	80	0.00
2	1~	230	50	2500	34	0.16	110	80	65	0.32
3	1~	230	50	2635	32	0.15	85	150	50	0.60
4	1~	230	50	2735	31	0.15	55	180	30	0.72

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

