

KARTA KATALOGOWA

G2E108-AA01-75

Wentylator promieniowy AC, łopatki zakrzywione do przodu, jednostronnie ssący, z obudową (z kołnierzem)

Producent: ebm-papst

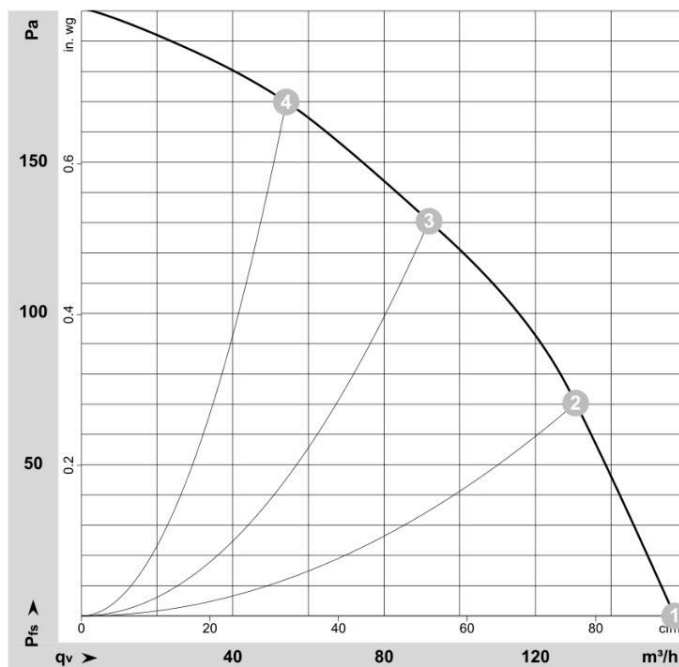


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	108 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E042-CA
Prędkość obrotowa	1650 obr/min	Materiał wirnika	blacha stalowa ocynkowana metodą Sendzimira
Pobór mocy	41 / 44 W	Obudowa	odlew aluminiowy
Pobór prądu	0,19 / 0,20 A	Kierunek obrotów	w prawo, patrząc na wirnik
Kondensator	1,5 µF / 400 V	Stopień ochrony	IP44
Maks. wydajność	155 m³/h	Klasa izolacji	B
Maks. ciśnienie statyczne	175 Pa	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura otoczenia	-25...+55 °C	Łożyskowanie	kulkowe
		Podłączenie	złącze z przewodem
		Masa	1,4 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



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

Measurement: LU-4671-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Inlet 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.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).
Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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G2E108-AA01-75

AC centrifugal fan

forward-curved, single-intake
with housing (flange)

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Nominal data

Type	G2E108-AA01-75		
Motor	M2E042-CA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	1650	1650
Power consumption	W	41	44
Current draw	A	0.19	0.20
Capacitor	µF	1.5	1.5
Capacitor voltage	VDB	400	400
Capacitor standard		S2 (CE)	S2 (CE)
Min. back pressure	Pa	0	0
Min. back pressure	in. wg	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	55	55

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



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AC centrifugal fan

forward-curved, single-intake
with housing (flange)

Technical description

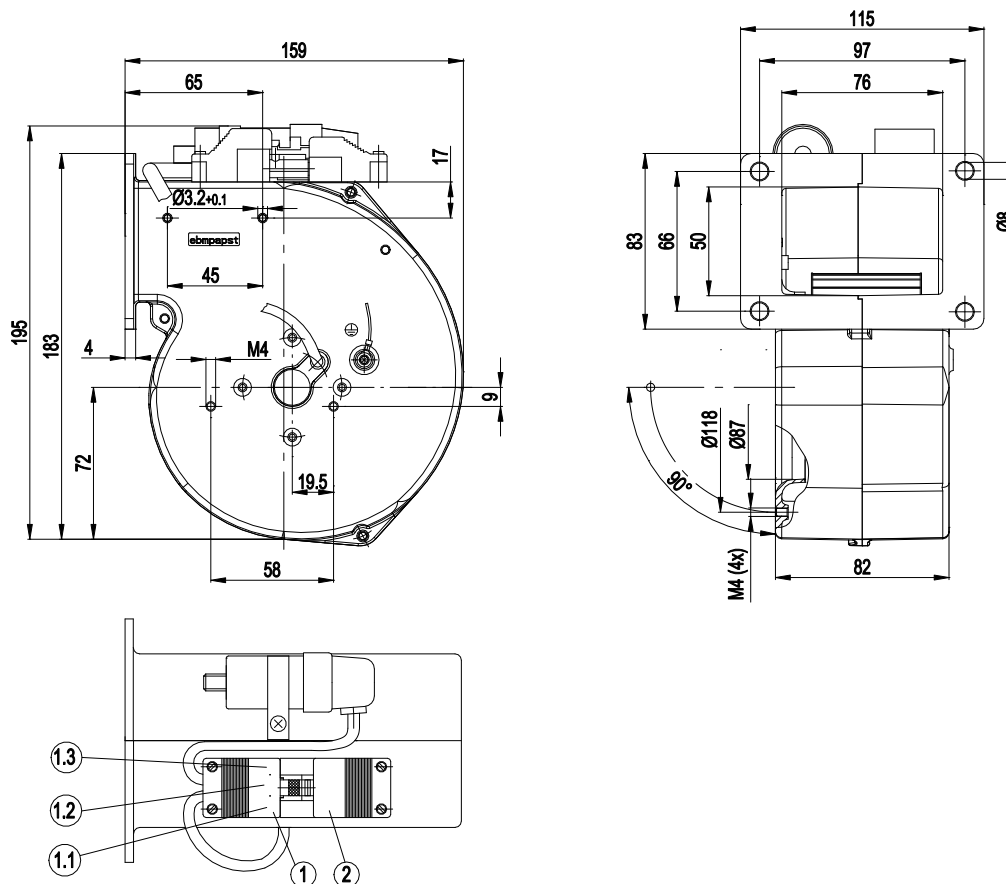
Weight	1.4 kg
Size	108 mm
Motor size	42
Rotor surface	Unpainted
Impeller material	Sheet steel, sendzimir galvanized
Housing material	Die-cast aluminum
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0 - dry environment
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
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Connector with cable
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class assignment	I; If a protective earth is connected by the customer This component for installation may have several local protection classes. This information relates to this component's basic design. The final protection class is based on the component's intended installation and connection.
Motor capacitor according to EN 60252-1 in safety protection class	S2
Conformity with standards	EN 60034-1; EN 60204-1; EN 60335-1; CE

G2E108-AA01-75

AC centrifugal fan

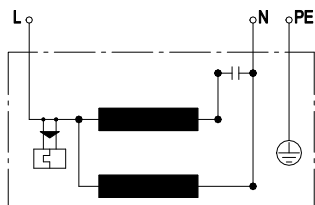
forward-curved, single-intake
with housing (flange)

Product drawing



1	3-pole connector housing Wieland 93.832.4357.0
1.1	L (blue)
1.2	Green/yellow
1.3	N (black)
2	3-pole connector housing Wieland 93.731.4357.0 included separately

Connection diagram

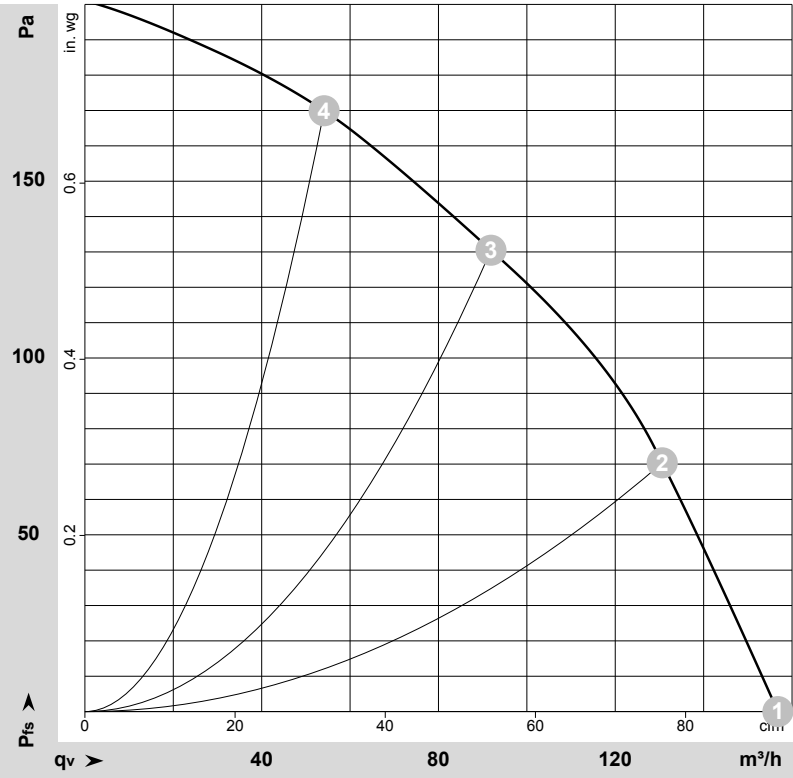


L	blue	N	black	PE	green/yellow
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G2E108-AA01-75

AC centrifugal fan
forward-curved, single-intake
with housing (flange)

Curves: Air performance 50 Hz



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

Measurement: LU-4671-1

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

	U	f	n	P _e	I	q _v	P _{fs}	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	50	1650	41	0.19	155	0	90	0.00
2	230	50	1985	38	0.17	130	70	75	0.28
3	230	50	2245	37	0.16	90	130	55	0.52
4	230	50	2445	35	0.15	55	170	30	0.68

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



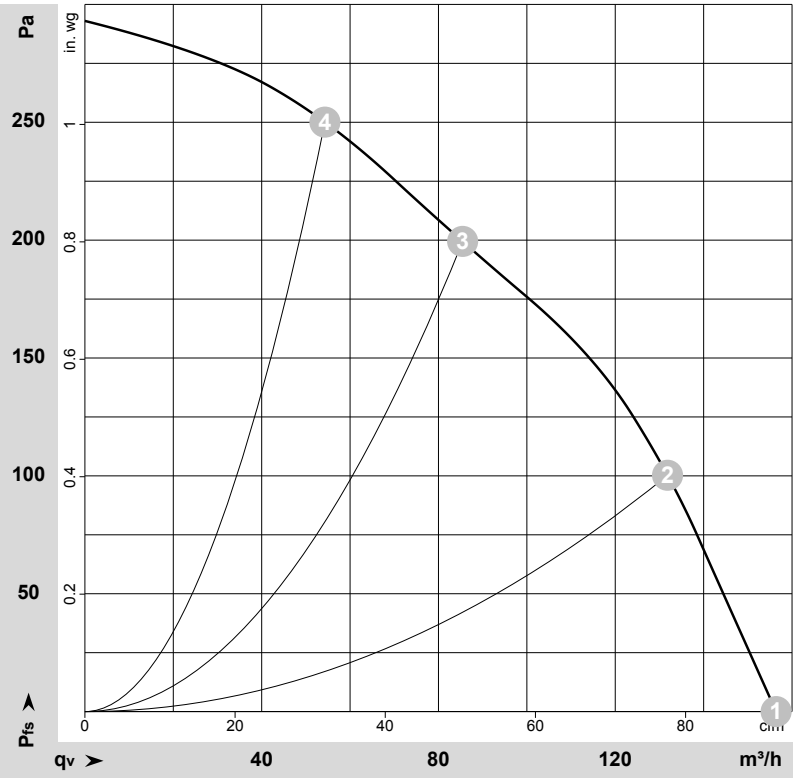
G2E108-AA01-75

AC centrifugal fan

forward-curved, single-intake

with housing (flange)

Curves: Air performance 60 Hz



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

Measurement: LU-4673-1

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

	U	f	n	P _e	I	q _v	P _{fs}	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	60	1650	44	0.20	155	0	90	0.00
2	230	60	2200	41	0.19	130	100	80	0.40
3	230	60	2700	37	0.17	85	200	50	0.80
4	230	60	2940	34	0.16	55	250	30	1.00

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

