

KARTA KATALOGOWA

G2E097-HD01-13

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

Producent: ebm-papst

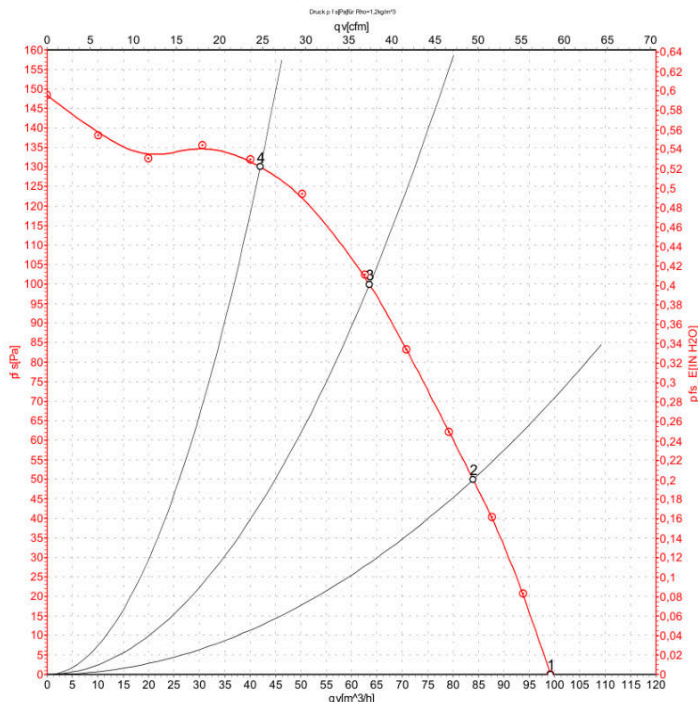


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	97 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E042-CA
Prędkość obrotowa	2050 / 2300 obr/min	Materiał wirnika	blacha stalowa ocynkowana
Pobór mocy	35 / 37 W	Obudowa	blacha stalowa ocynkowana
Pobór prądu	0,16 / 0,17 A	Kierunek obrotów	w prawo, patrząc na wirnik
Kondensator	1,5 µF / 400 V	Stopień ochrony	IP44
Maks. wydajność	100 m³/h	Klasa izolacji	F
Maks. ciśnienie statyczne	145 Pa	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura otoczenia	min. -25 °C; maks. 60 / 75 °C	Łożyskowanie	kulkowe
		Masa	1,1 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-104599-1

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.

Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

tel. +48 600 100 371 · tel. +48 604 959 199
biuro@luftberg.pl · www.luftberg.pl

G2E097-HD01-13

AC centrifugal fan

forward-curved, single-intake

with housing (flange)

ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Nominal data

Type	G2E097-HD01-13		
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	2050	2300
Power consumption	W	35	37
Current draw	A	0.16	0.17
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	inH2O	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	75

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



G2E097-HD01-13

AC centrifugal fan

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

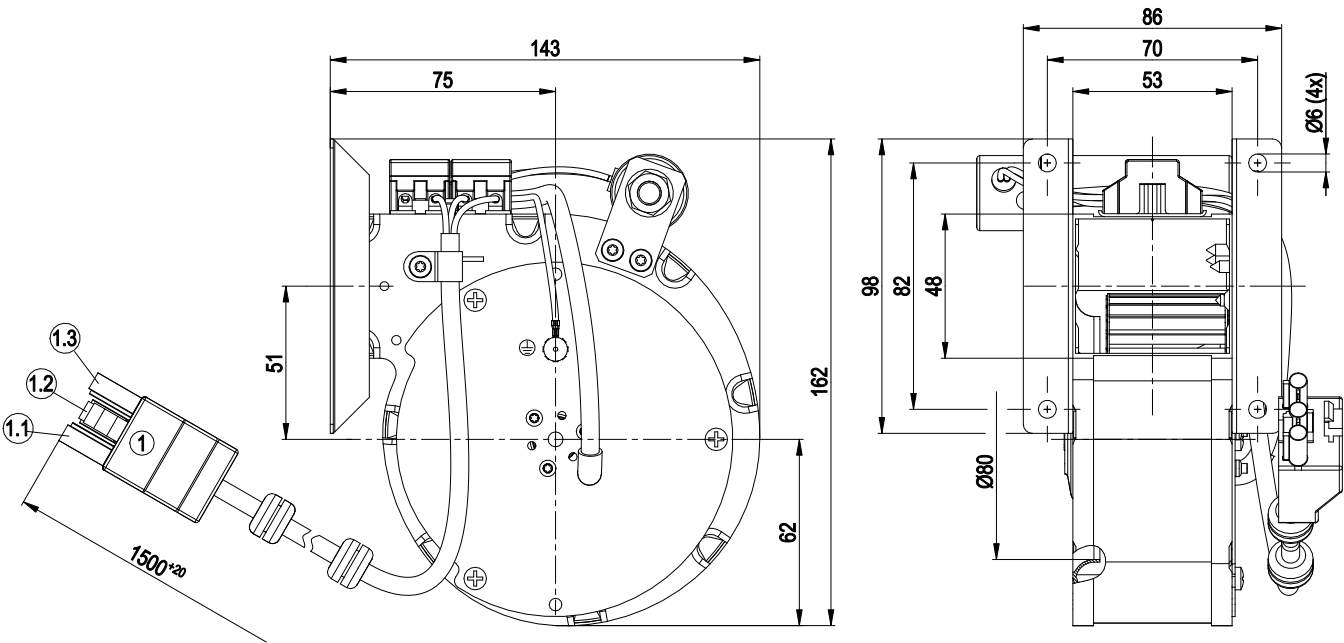
Technical description

Weight	1.1 kg
Fan size	97 mm
Rotor surface	Unpainted
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
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
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class	I (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S2
Conformity with standards	EN 60335-1; CE

G2E097-HD01-13

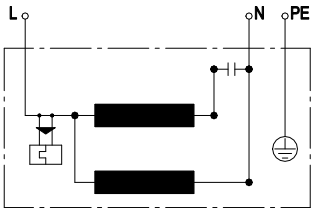
AC centrifugal fan
 forward-curved, single-intake
 with housing (flange)

Product drawing



1	Cable silicone 3G 0.5 mm², 1x 3-pole connector housing Wieland 93.932.4757.0
1.1	brown (N)
1.2	green/yellow (PE)
1.3	blue (L)

Connection diagram



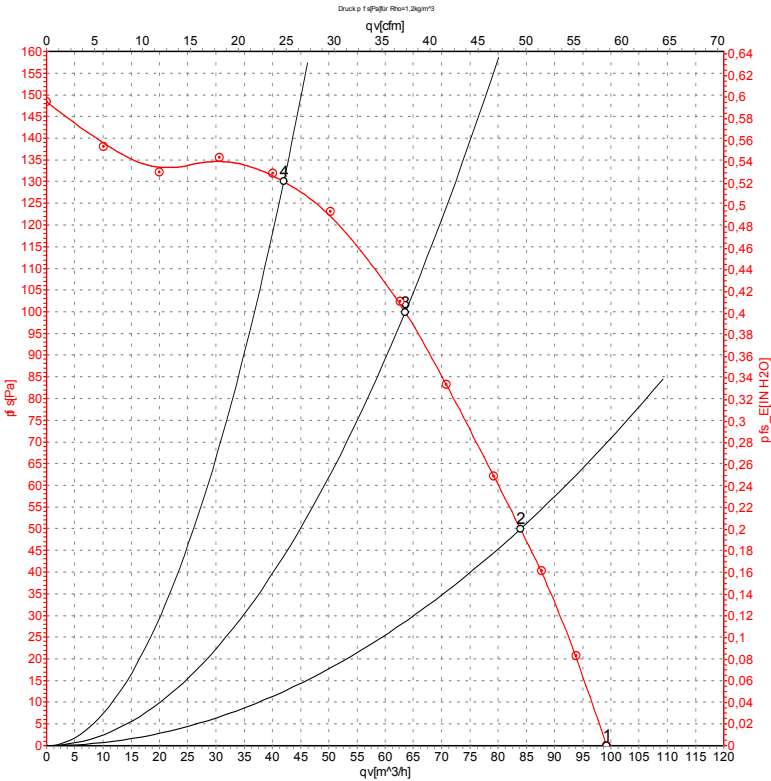
L	blue	N	brown	PE	green/yellow
---	------	---	-------	----	--------------



G2E097-HD01-13

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

Curves: Air performance 50 Hz



Measurement: LU-104599-1

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	inH ₂ O
1	230	50	2050	35	0.16	100	0	60	0.00
2	230	50	2160	33	0.15	85	50	50	0.20
3	230	50	2310	33	0.14	65	100	40	0.40
4	230	50	2440	33	0.14	40	130	25	0.52

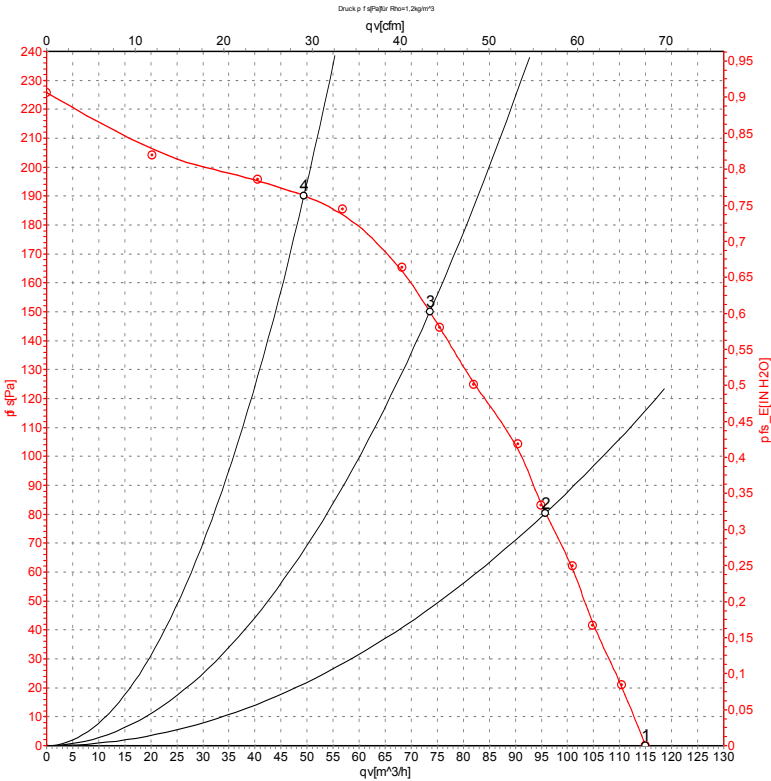
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



G2E097-HD01-13

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

Curves: Air performance 60 Hz



Measurement: LU-104601-1

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	inH2O
1	230	60	2300	37	0.17	115	0	70	0.00
2	230	60	2545	34	0.15	95	80	55	0.32
3	230	60	2775	32	0.15	75	150	45	0.60
4	230	60	2945	31	0.14	50	190	30	0.76

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

