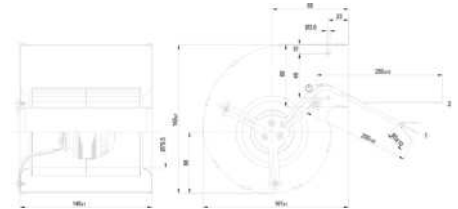


KARTA KATALOGOWA

D2E097-BE01-62

Wentylator promieniowy AC, łopatki zakrzywione do przodu, z obudową (bez kołnierza)

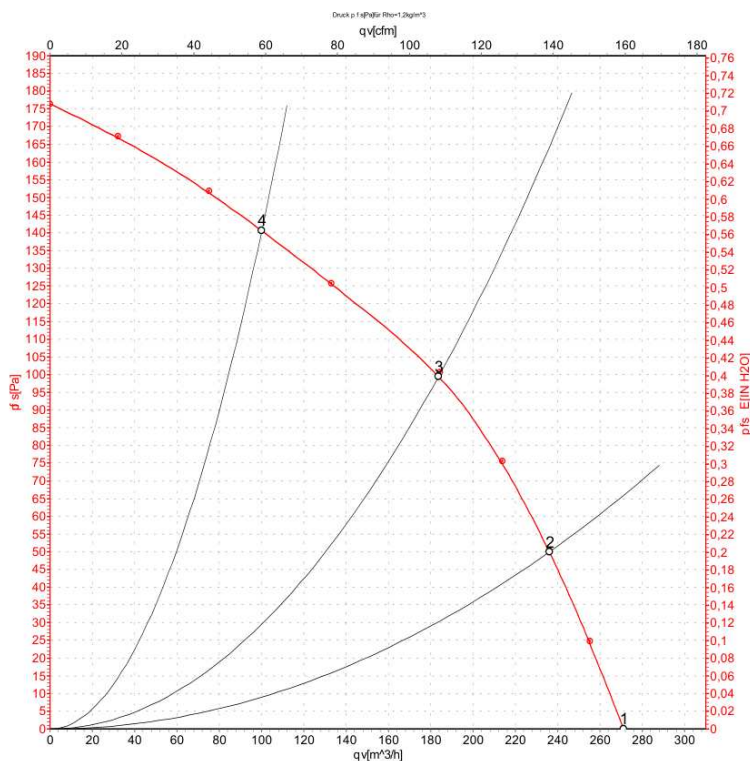
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	97 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E042-CA
Prędkość obrotowa	1250 / 1200 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	48 / 54 W	Obudowa	blacha stalowa ocynkowana
Pobór prądu	0,22 / 0,26 A	Kierunek obrotów	w lewo, patrząc na wirnik
Kondensator	2 µF / 400 V	Stopień ochrony	IP22
Temperatura otoczenia	min. -25 °C; maks. 55 / 50 °C	Klasa izolacji	B
		Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	1,35 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-4665-1

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.

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

Dobór, wycena i dostawa – zapytaj LUFTBERG

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biuro@luftberg.pl · www.luftberg.pl

D2E097-BE01-62

AC centrifugal fan

forward-curved
with housing (without 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	D2E097-BE01-62		
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	1250	1200
Power consumption	W	48	54
Current draw	A	0.22	0.26
Capacitor	µF	2	2
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	55	50

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



D2E097-BE01-62

AC centrifugal fan

forward-curved

with housing (without flange)

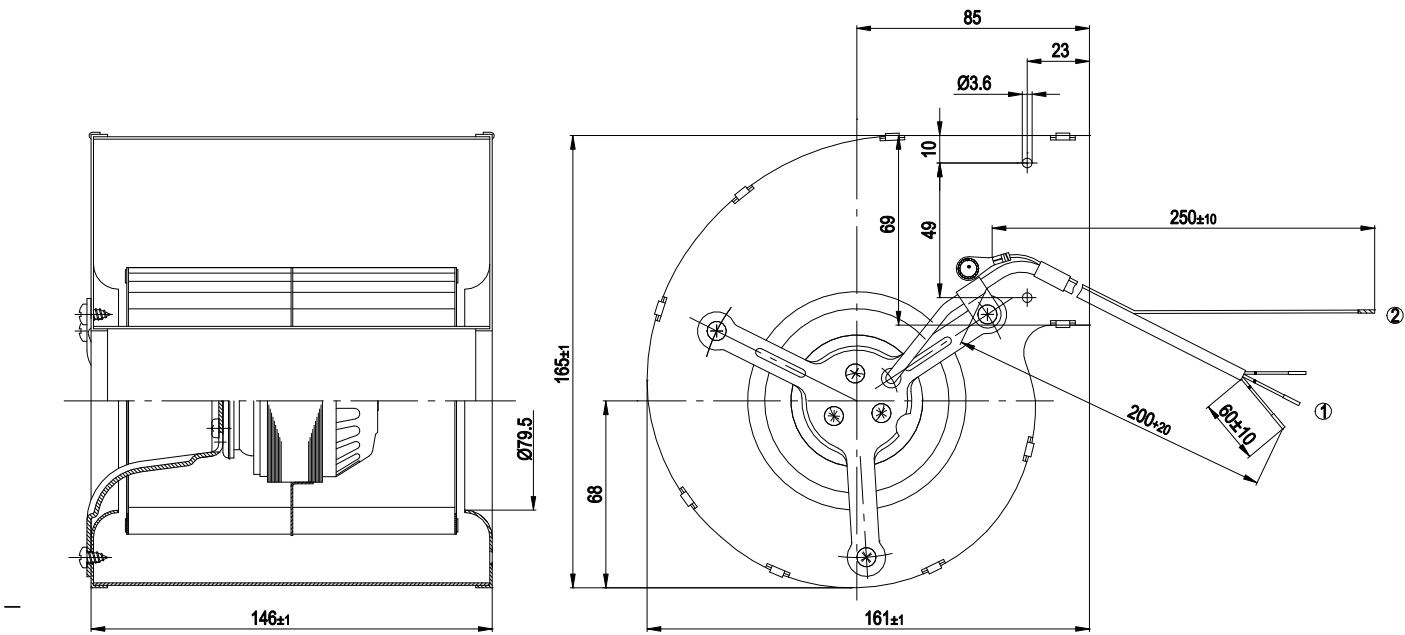
Technical description

Weight	1.35 kg
Fan size	97 mm
Rotor surface	Painted black
Impeller material	Sheet steel, painted black
Housing material	Sheet steel, galvanized
Motor suspension	Motor mounted with brackets on one side
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP22; installation- and position-dependent
Insulation class	"B"
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	On rotor side
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

D2E097-BE01-62

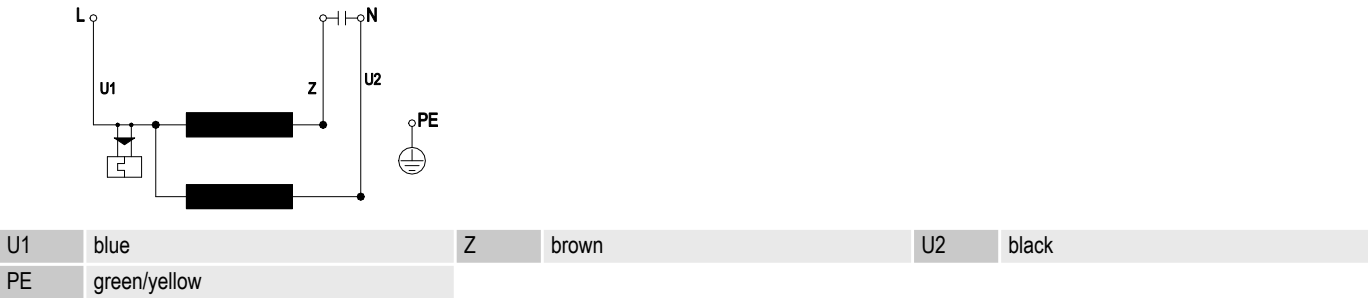
AC centrifugal fan
forward-curved
with housing (without flange)

Product drawing



- 1 Cable PVC, 3x crimped splices
- 2 Cable AWG 20, 1x crimped splices

Connection diagram



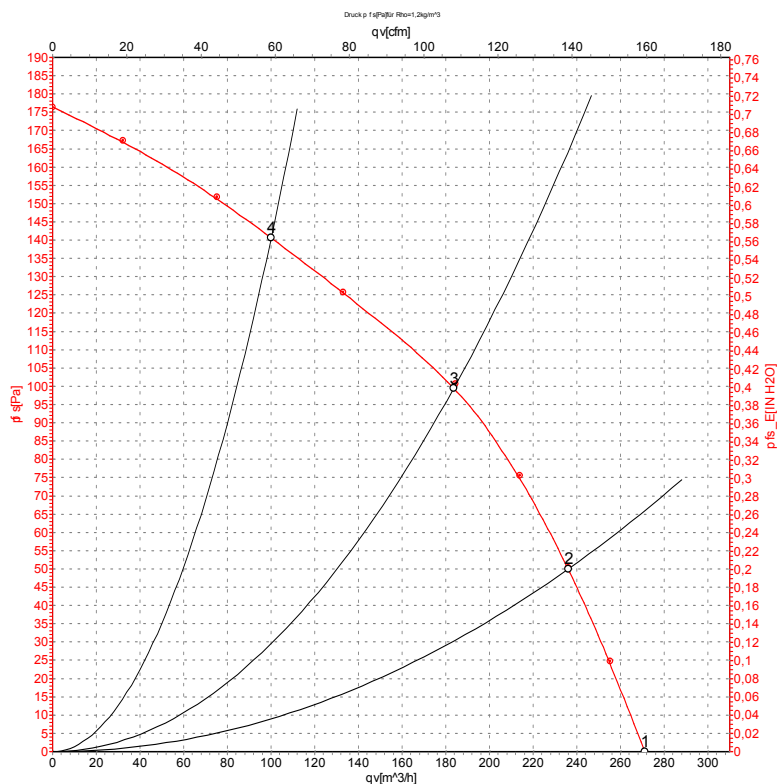
D2E097-BE01-62

AC centrifugal fan

forward-curved

with housing (without flange)

Curves: Air performance 50 Hz



Measurement: LU-4665-1

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	50	1250	48	0.22	270	0	160	0.00
2	230	50	1535	48	0.22	235	50	140	0.20
3	230	50	1895	45	0.20	185	100	110	0.40
4	230	50	2245	43	0.19	100	140	60	0.56

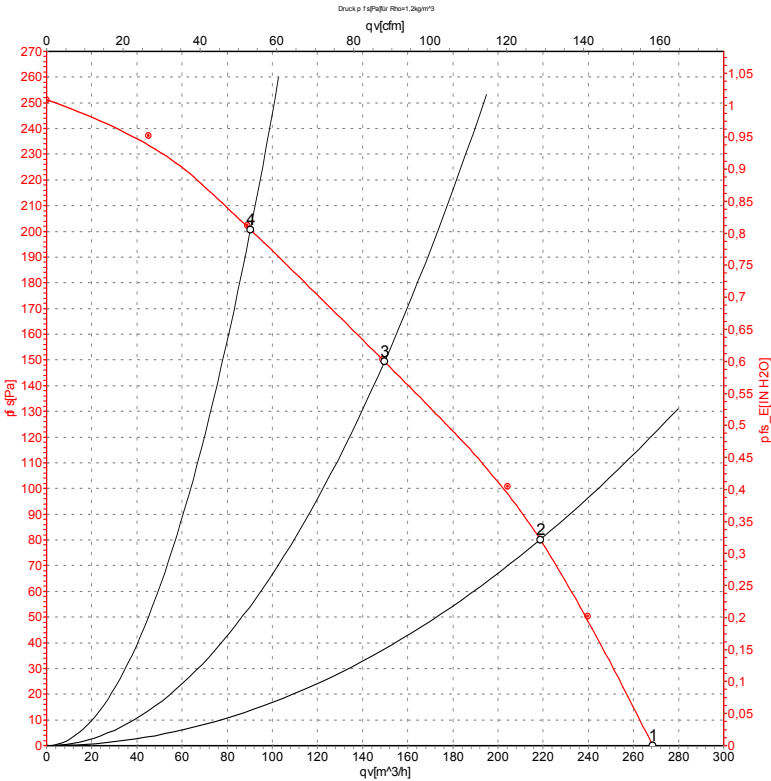
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · P_{fs} = Pressure increase



D2E097-BE01-62

AC centrifugal fan
forward-curved
with housing (without flange)

Curves: Air performance 60 Hz



Measurement: LU-24480-1

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	60	1200	54	0.26	270	0	160	0.00
2	230	60	1770	52	0.25	220	80	130	0.32
3	230	60	2315	48	0.23	150	150	90	0.60
4	230	60	2675	45	0.22	90	201	55	0.81

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

