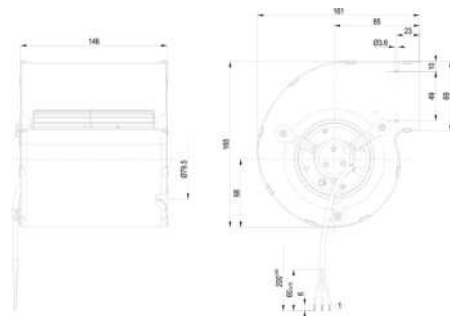


KARTA KATALOGOWA

D2E097-BI56-E7

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

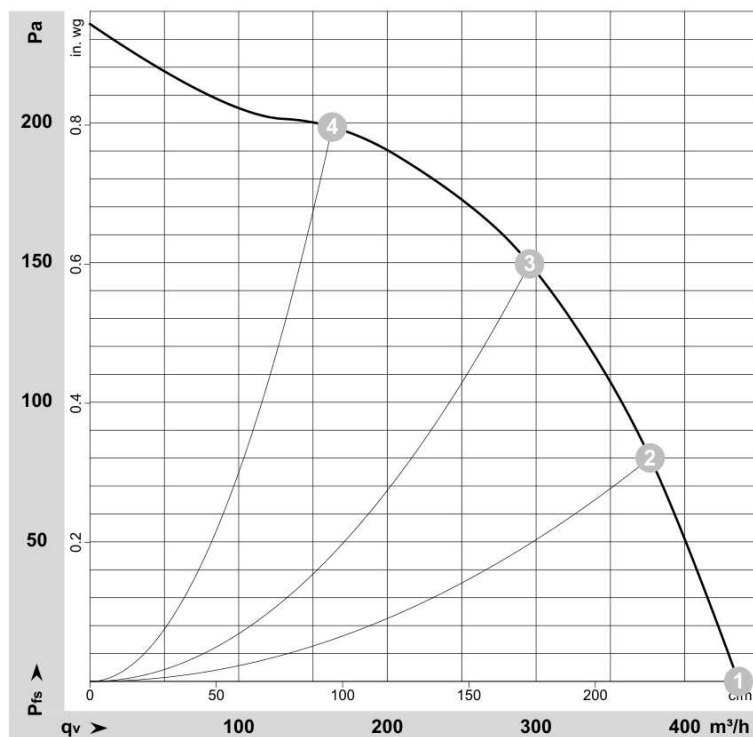
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	97 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E052-CA
Prędkość obrotowa	1950 / 1850 obr/min	Materiał wirnika	blacha stalowa ocynkowana
Pobór mocy	87 / 100 W	Obudowa	blacha stalowa ocynkowana
Pobór prądu	0,39 / 0,45 A	Kierunek obrotów	w lewo, patrząc na wirnik
Kondensator	2 µF / 400 V	Stopień ochrony	IP44
Temperatura otoczenia	min. -25 °C; maks. 60 / 55 °C	Klasa izolacji	F
		Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	1,6 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



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

Measurement: LU-34651-1

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

tel. +48 600 100 371 · tel. +48 604 959 199

biuro@luftberg.pl · www.luftberg.pl

D2E097-BI56-E7

AC centrifugal fan
forward-curved, dual-intake
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-BI56-E7		
Motor	M2E052-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	1950	1850
Power consumption	W	87	100
Current draw	A	0.39	0.45
Capacitor	µF	2	2
Capacitor voltage	VDB	400	400
Min. back pressure	Pa	0	0
Min. back pressure	in. wg	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	55

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



D2E097-BI56-E7

AC centrifugal fan

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

Technical description

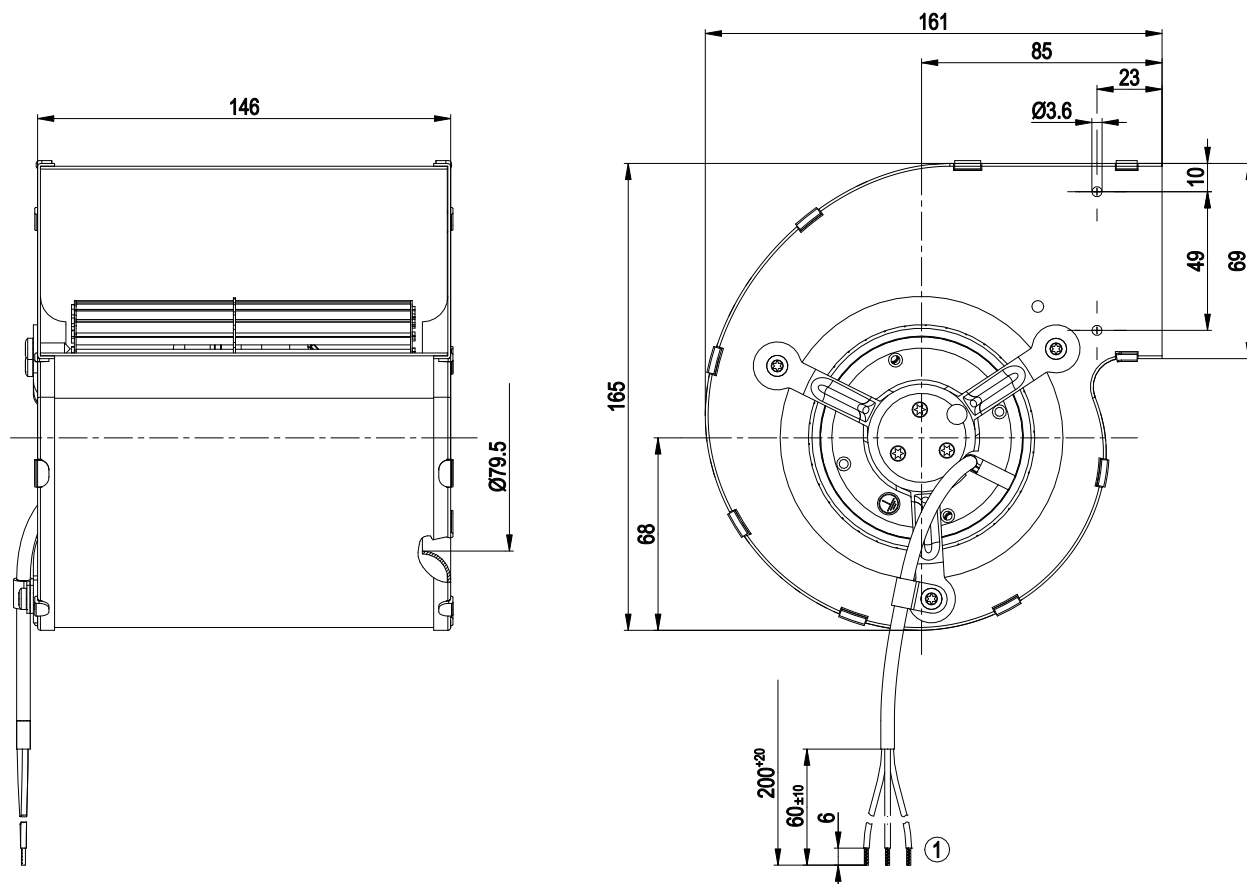
Weight	1.6 kg
Size	97 mm
Motor size	52
Rotor surface	Unpainted
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Motor suspension	Motor mounted with brackets on one side
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
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
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; CE
Approval	EAC

D2E097-BI56-E7

AC centrifugal fan

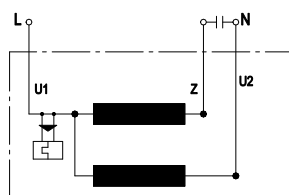
forward-curved, dual-intake
with housing (without flange)

Product drawing



1 Cable silicone 0.5 mm², 3x crimped splices

Connection diagram



U1 blue

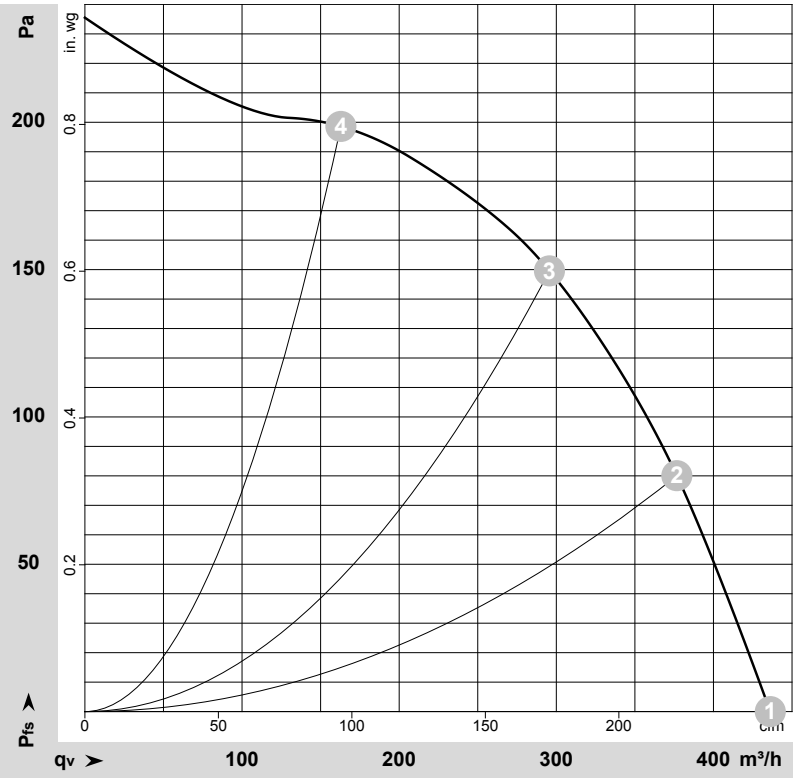
Z brown

U2 black

D2E097-BI56-E7

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

Curves: Air performance 50 Hz



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

Measurement: LU-34651-1

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	1950	87	0.39	435	0	255	0.00
2	230	50	2240	80	0.35	375	80	220	0.32
3	230	50	2475	73	0.32	295	150	175	0.60
4	230	50	2720	67	0.31	165	200	95	0.80

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



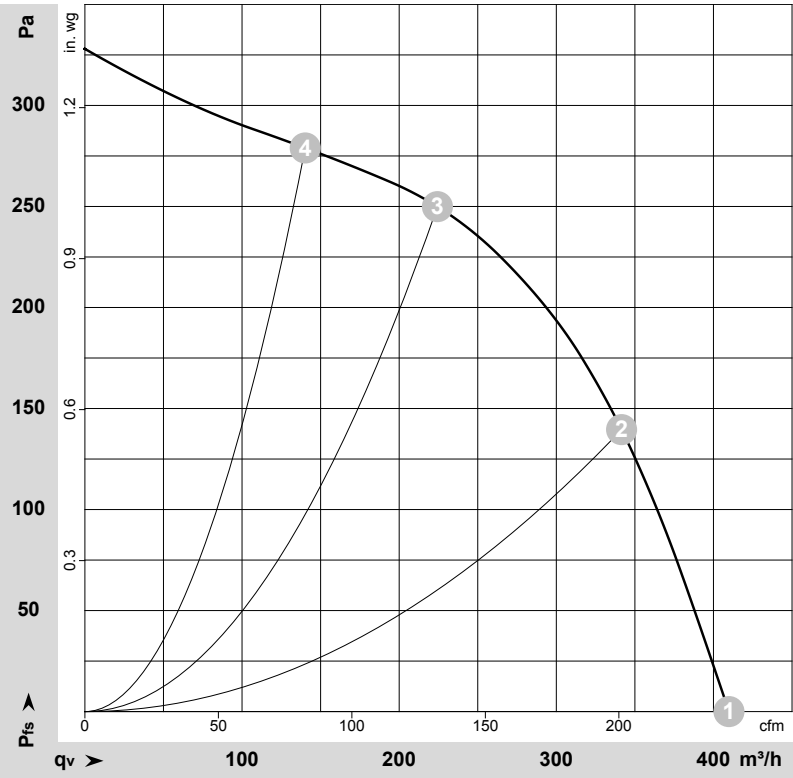
D2E097-BI56-E7

AC centrifugal fan

forward-curved, dual-intake

with housing (without flange)

Curves: Air performance 60 Hz



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

Measurement: LU-34652-1

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	1850	100	0.45	410	0	240	0.00
2	230	60	2495	93	0.40	340	140	200	0.56
3	230	60	3005	81	0.35	225	250	130	1.00
4	230	60	3210	74	0.32	140	280	80	1.12

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

