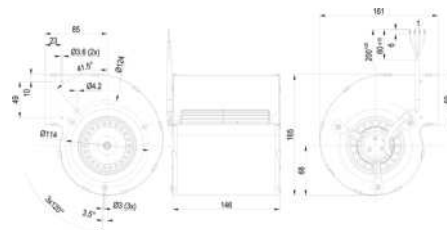


KARTA KATALOGOWA

D2E097-BK80-02

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

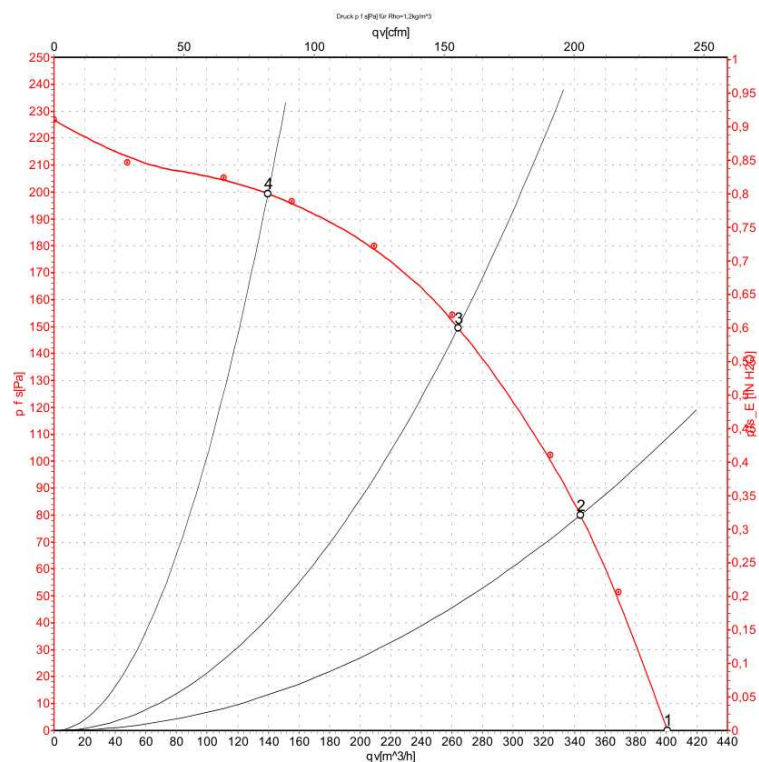
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	97 mm
Częstotliwość	50 Hz	Silnik	M2E052-BF
Prędkość obrotowa	1750 obr/min	Materiał wirnika	blacha stalowa ocynkowana
Pobór mocy	77 W	Obudowa	blacha stalowa ocynkowana
Pobór prądu	0,34 A	Kierunek obrotów	w lewo, patrząc na wirnik
Prąd rozruchowy	0,36 A	Stopień ochrony	IP20
Kondensator	2 µF / 400 V	Klasa izolacji	B
Temperatura otoczenia	-25...+30 °C	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	1,4 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-36983-1

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-BK80-02

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-BK80-02	
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	1750
Power consumption	W	77
Current draw	A	0.34
Capacitor	µF	2
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	30
Starting current	A	0.36

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



D2E097-BK80-02

AC centrifugal fan

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

Technical description

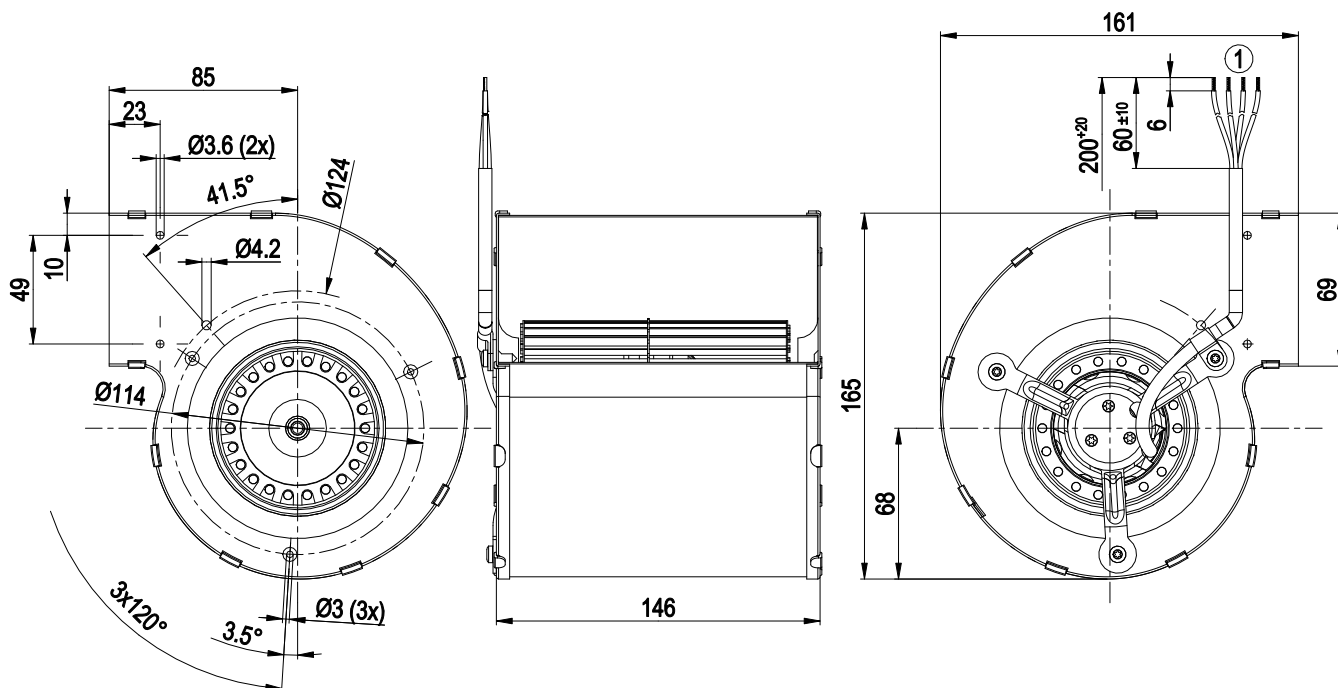
Weight	1.4 kg
Size	97 mm
Motor size	52
Rotor surface	Unpainted
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Motor suspension	Motor mounted with brackets on one side
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP20
Insulation class	"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
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-BK80-02

AC centrifugal fan

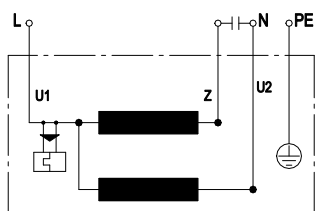
forward-curved, dual-intake
with housing (without flange)

Product drawing



1	Cable PVC 4G 0.5 mm ²	4x splice
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Connection diagram



U1	blue	Z	brown	U2	black
PE	green/yellow				

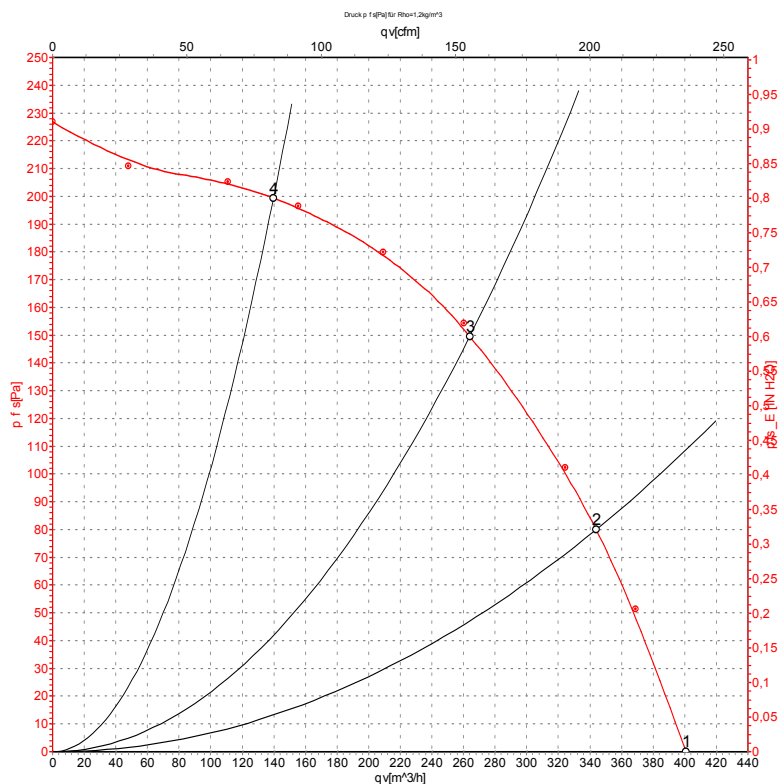
D2E097-BK80-02

AC centrifugal fan

forward-curved, dual-intake

with housing (without flange)

Curves: Air performance 50 Hz



Measurement: LU-36983-1

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 _{ts}	q _v	p _{ts}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	50	1750	77	0.34	400	0	235	0.00
2	230	50	2070	72	0.31	345	80	200	0.32
3	230	50	2370	66	0.29	265	150	155	0.60
4	230	50	2670	63	0.28	140	200	80	0.80

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



Foglio ISO 5457 - A3T - OP - F Software: Pro/E WF 5