KARTA KATALOGOWA

R2E180-AS77-22

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

Producent: ebm-papst

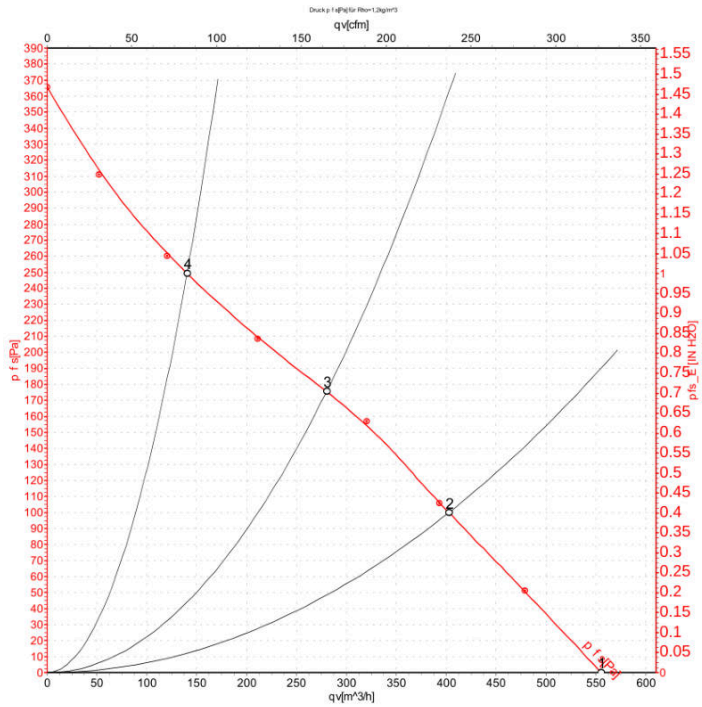
Zdjęcie poglądowe

Dane znamionowe	
Napięcie znamionowe	**1~ 230 V**
Częstotliwość	**60 Hz**
Pobór mocy	**90 W**
Kondensator	**2 µF / 450 V**
Maks. wydajność	**555 m³/h**
Maks. ciśnienie statyczne	**345 Pa**
Temperatura otoczenia	**−25…+35 °C**

Budowa	
Wielkość	**180 mm**
Silnik	**M2E068-BF**
Materiał wirnika	**tworzywo PA, czarne**
Liczba łopatek	**16**
Kierunek obrotów	**w prawo, patrząc na wirnik**
Stopień ochrony	**IP44**
Klasa izolacji	**B**
Zabezpieczenie silnika	**termik (TOP), podłączony wewnętrznie**
Łożyskowanie	**kulkowe**
Masa	**1,37 kg**

Charakterystyka przepływowa (60 Hz)

Curves: Air performance 60 Hz



Measurement: LU-20836-1

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 must be checked in the installed unit.

Dane na okładce wg karty ebm-papst; strony producenta przetłumaczone z wersji rosyjskiej (oryg. RUS).
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

R2E180-AS77-22

AC centrifugal fan

backward-curved, single-intake

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
Limited partnership · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRA 590344
General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	**R2E180-AS77-22**
Motor	**M2E068-BF**

Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	60
Method of obtaining data		fa
Valid for approval/standard		UL 2111
Power consumption	W	90
Capacitor	µF	2
Capacitor voltage	VDB	450
Capacitor standard		UL
Min. back pressure	Pa	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	35

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

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Technical description

Weight	1.37 kg
Fan size	180 mm
Motor size	68
Impeller material	PA plastic, black
Number of blades	16
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44
Degree of protection	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	Shaft horizontal or rotor on top; rotor on bottom on request
Condensation drainage holes	—
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; EN 60034-1; EN 60204-1; CE
Approval	CSA C22.2 № 77; UL 1004-3

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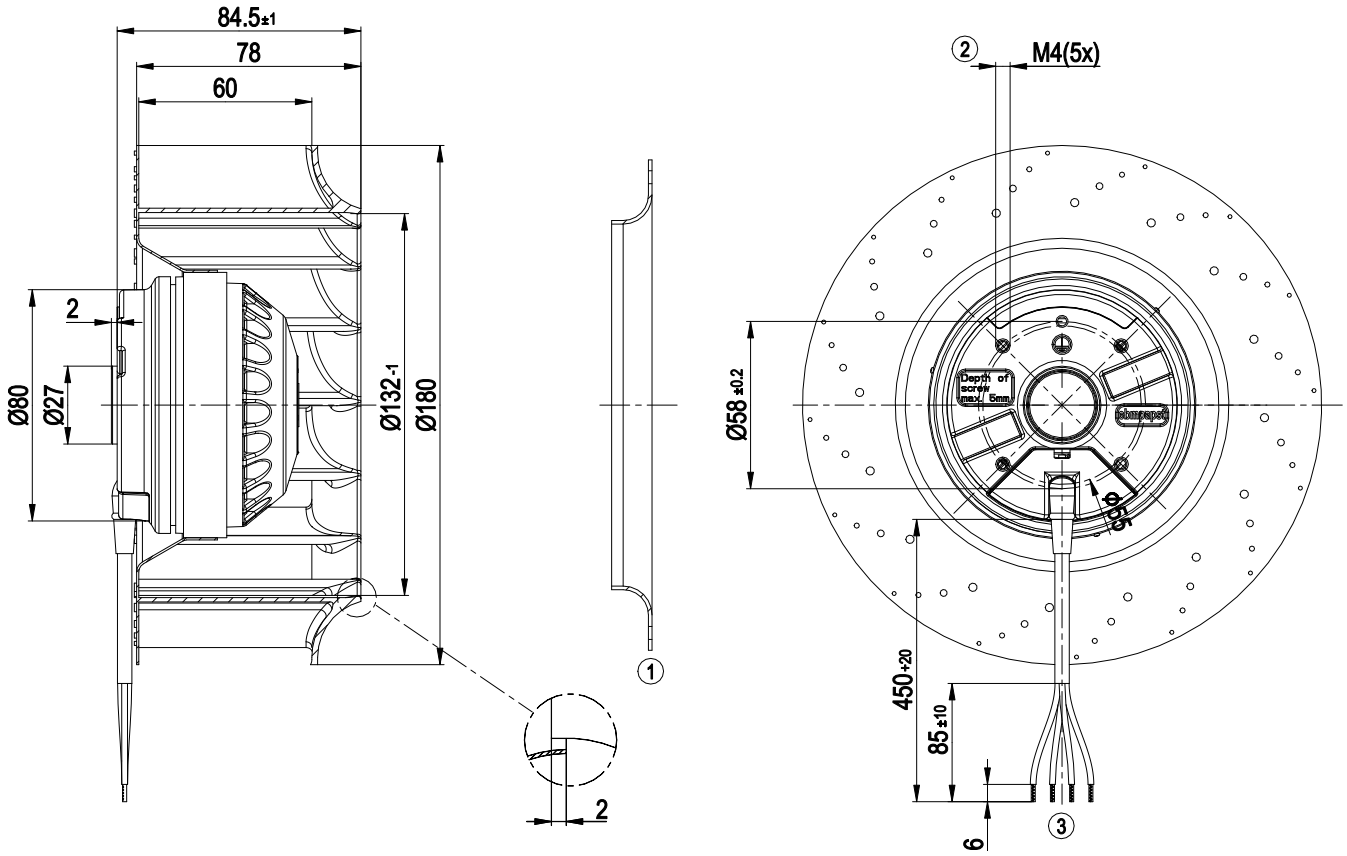
Product drawing



1	Accessory part: inlet ring 09576-2-4013, not included in scope of delivery.
2	Max. clearance for screw 5 mm
1	Connection line PVC 4 × AWG20
	4 wire end sleeves

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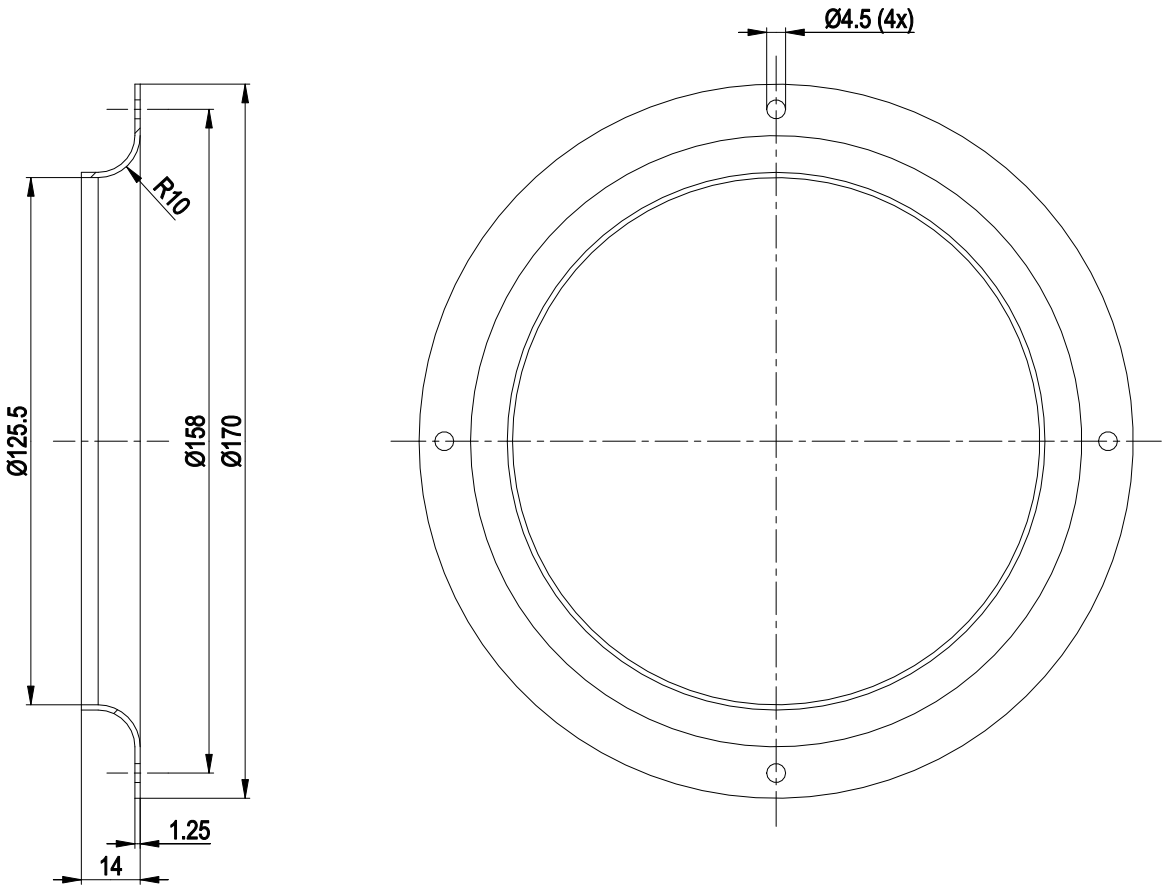
Accessory



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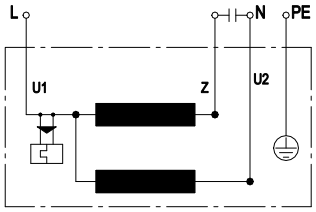
Connection diagram



U1	blue	Z	brown	U2	black
PE	green/yellow				

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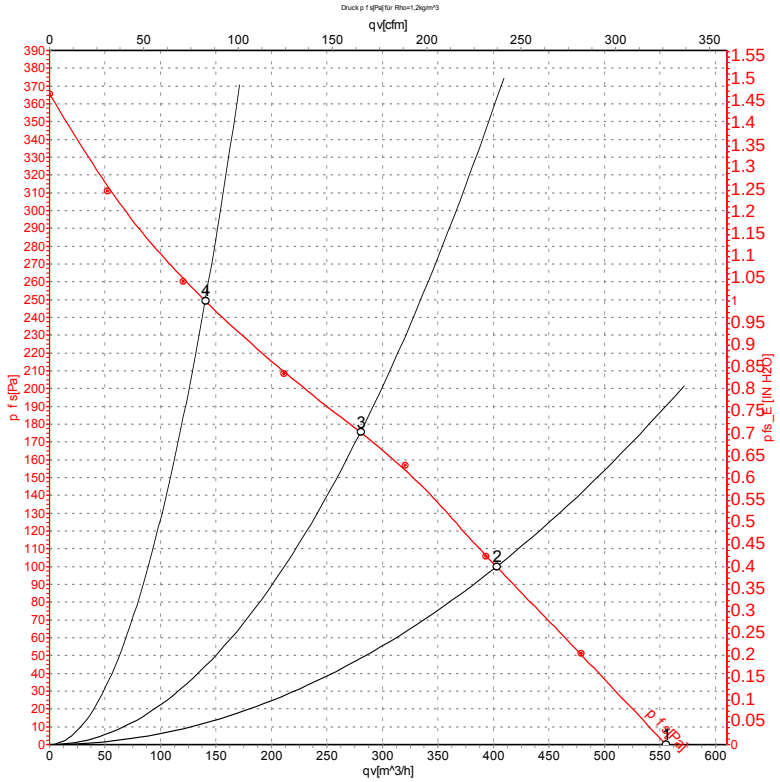

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Measured values

	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	in. wg
1	230	60	2300	100	0.45	555	0	325	0.00
2	230	60	2240	104	0.45	405	100	235	0.40
3	230	60	2400	101	0.44	280	175	165	0.70
4	230	60	2715	95	0.41	140	250	80	1.00

U = Power supply · f = Frequency · n = Speed (rpm) · P$_e$= Power consumption · I = Current draw · q $_V$= Air flow · p$_{fs}$= Pressure increase

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