

KARTA KATALOGOWA

R2E180-AH05-06

Dmuchawa AC do cyrkulacji gorącego powietrza

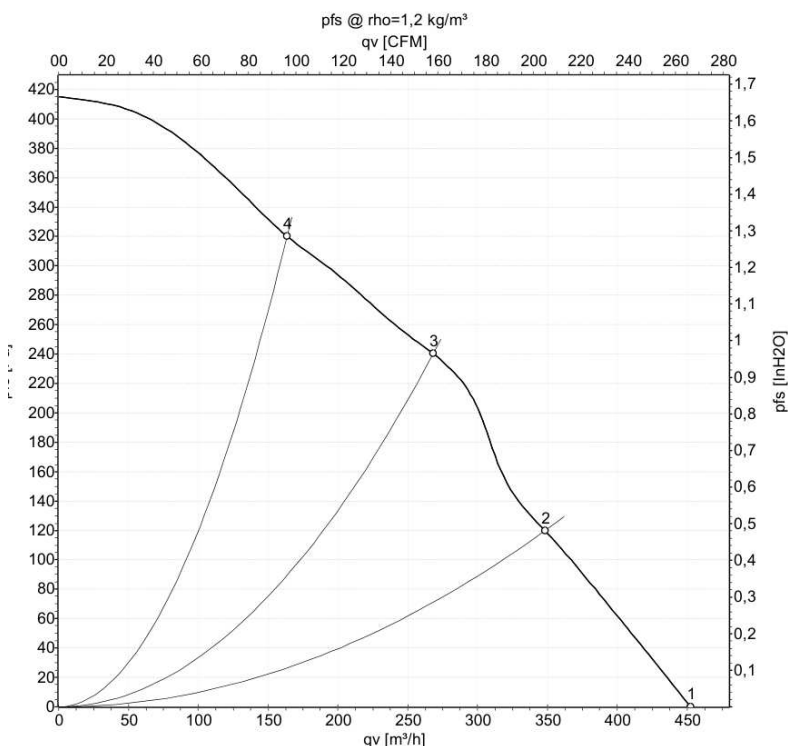
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	180 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-DF
Prędkość obrotowa	2600 / 2850 obr/min	Kierunek obrotów	w lewo, patrząc na wirnik
Pobór mocy	115 / 155 W	Stopień ochrony	IP00
Pobór prądu	0,51 / 0,68 A	Klasa izolacji	F
Kondensator	3 µF / 400 V	Łożyskowanie	kulkowe
Temperatura otoczenia	min. -25 °C; maks. 100 / 95 °C	Podłączenie	listwa zaciskowa
		Masa	3,1 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-156453

Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: LwA measured as per ISO 13347 /
LpA measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).

Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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R2E180-AH05-06

AC hot-air circulation blower



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Nominal data

Type	R2E180-AH05-06		
Motor	M2E068-DF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2600	2850
Power input	W	115	155
Current draw	A	0.51	0.68
Motor capacitor	µF	3	3
Capacitor voltage	VDB	400	400
Min. back pressure	Pa	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	100	95

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



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AC hot-air circulation blower

Technical features

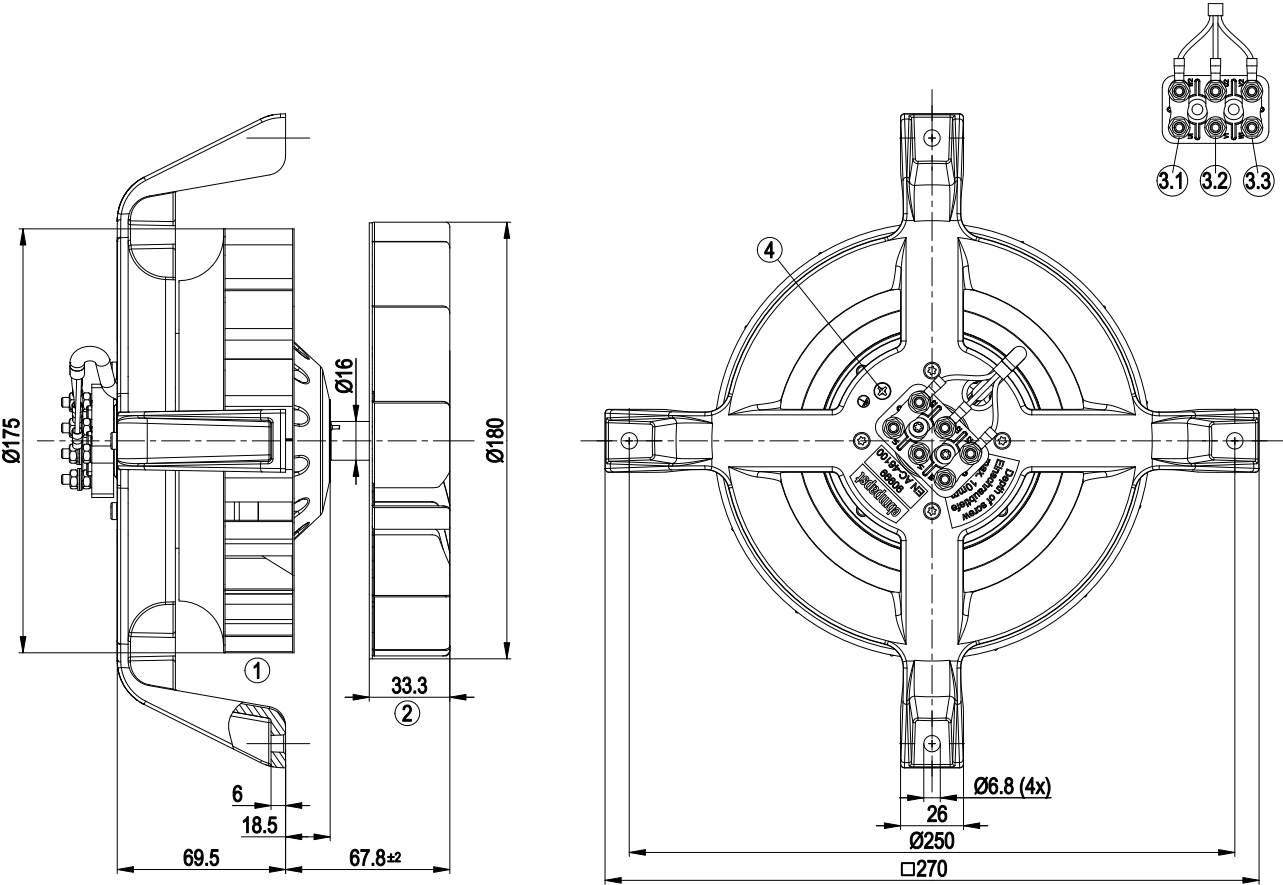
Mass	3.1 kg
Size	180 mm
Surface of rotor	Uncoated
Motor suspension	Motor mounted via brackets on one side
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 00
Insulation class	"F"
Humidity class	F0
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical leads	Via terminal strip
Cable exit	Axial
Protection class	I (if protective earth is connected by customer at the connection point of the housing)
Approval	EAC



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AC hot-air circulation blower

Product drawing



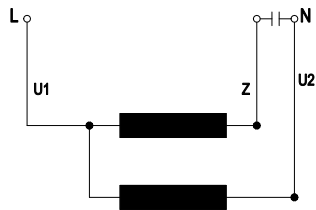
1	Centrifugal impeller (sheet steel, galvanised)
2	Centrifugal impeller (sheet steel, rust-resistant and acid-resistant)
3.1	L (blue)
3.2	Z (brown)
3.3	N (black)
4	M4 screw for fastening earth conductor
	Screw depth max. 5 mm



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Connection screen



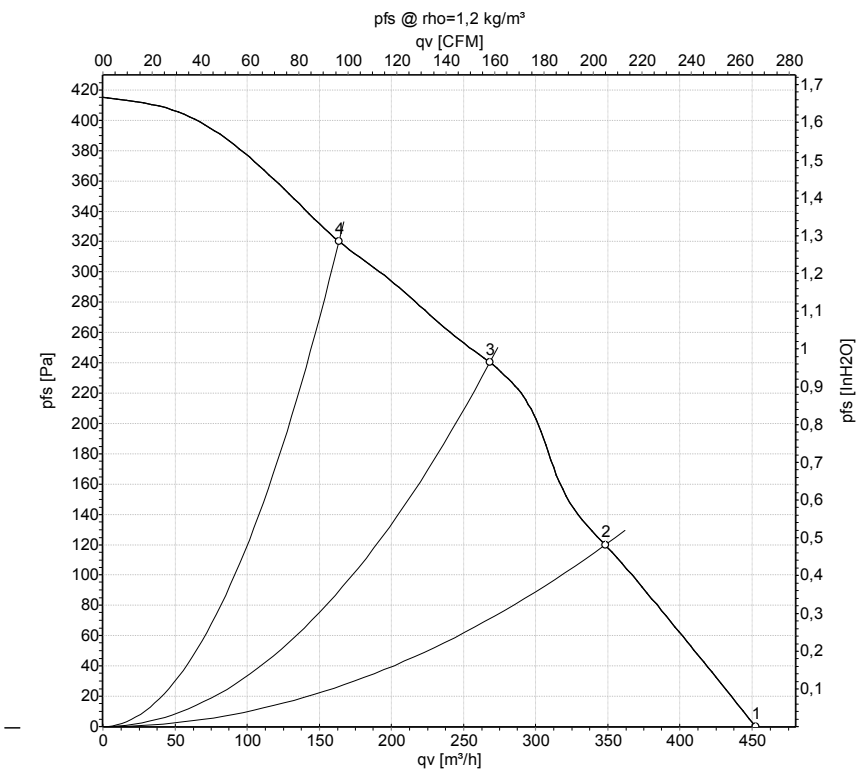
U1	blue	U2	black	Z	brown
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AC hot-air circulation blower

Charts: Air flow 50 Hz



Measurement: LU-156453

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	2600	115	0.51	450	0
2	230	50	2610	108	0.49	350	120
3	230	50	2630	104	0.48	270	240
4	230	50	2645	102	0.47	165	320

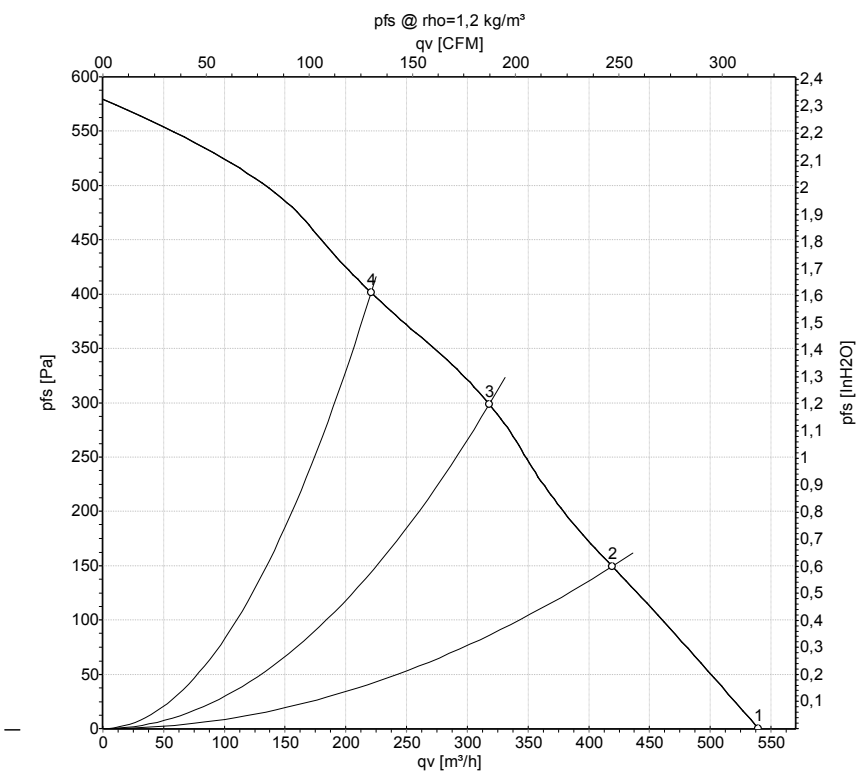
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



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AC hot-air circulation blower

Charts: Air flow 60 Hz



Measurement: LU-10720

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	2850	155	0.68	540	0
2	230	60	2915	152	0.66	420	150
3	230	60	2975	146	0.63	320	300
4	230	60	3010	143	0.62	220	400

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

