

KARTA KATALOGOWA

R2E180-CB28-01

Wentylator promieniowy AC, łopatki zakrzywione do tyłu

Producent: ebm-papst



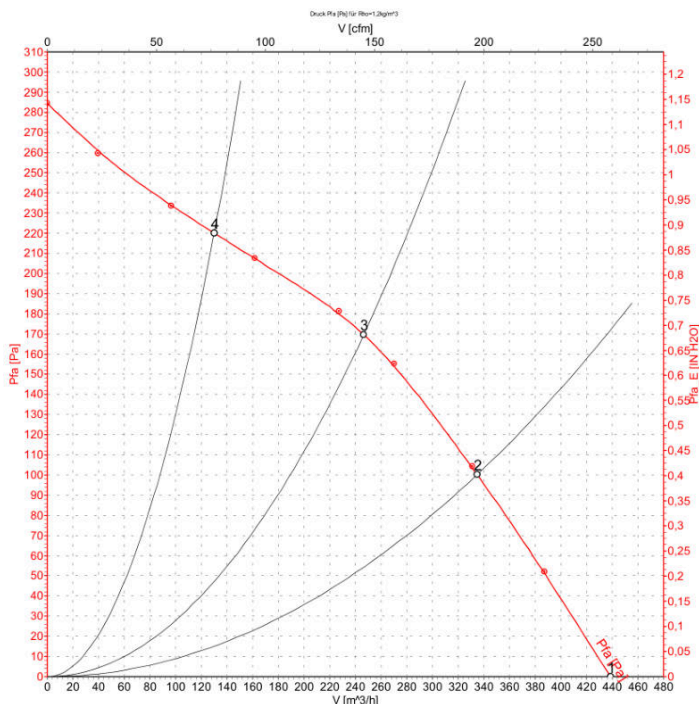
Zdjęcie poglądowe

Dane znamionowe	
Napięcie znamionowe	1~ 230 V
Częstotliwość	50 / 60 Hz
Prędkość obrotowa	2550 / 2800 obr/min
Pobór mocy	60 / 75 W
Pobór prądu	0,28 / 0,33 A
Kondensator	1,5 µF / 450 V
Maks. wydajność	440 m³/h
Maks. ciśnienie statyczne	285 Pa
Temperatura otoczenia	maks. 40 / 60 °C

Budowa	
Wielkość	180 mm
Silnik	M2E068-BF
Materiał wirnika	tworzywo PA6 wzmocnione włóknem szklanym
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	1,3 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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R2E180-CB28-01

AC centrifugal fan
backward curved

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Nominal data

Type	R2E180-CB28-01		
Motor	M2E068-BF		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	2550	2800
Power input	[W]	60	75
Current draw	[A]	0,28	0.33
Motor capacitor	[µF]	1,5	1.5
Capacitor voltage	[VDB]	450	450
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	[Pa]	0	0
Max. ambient temperature	[°C]	40	60

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

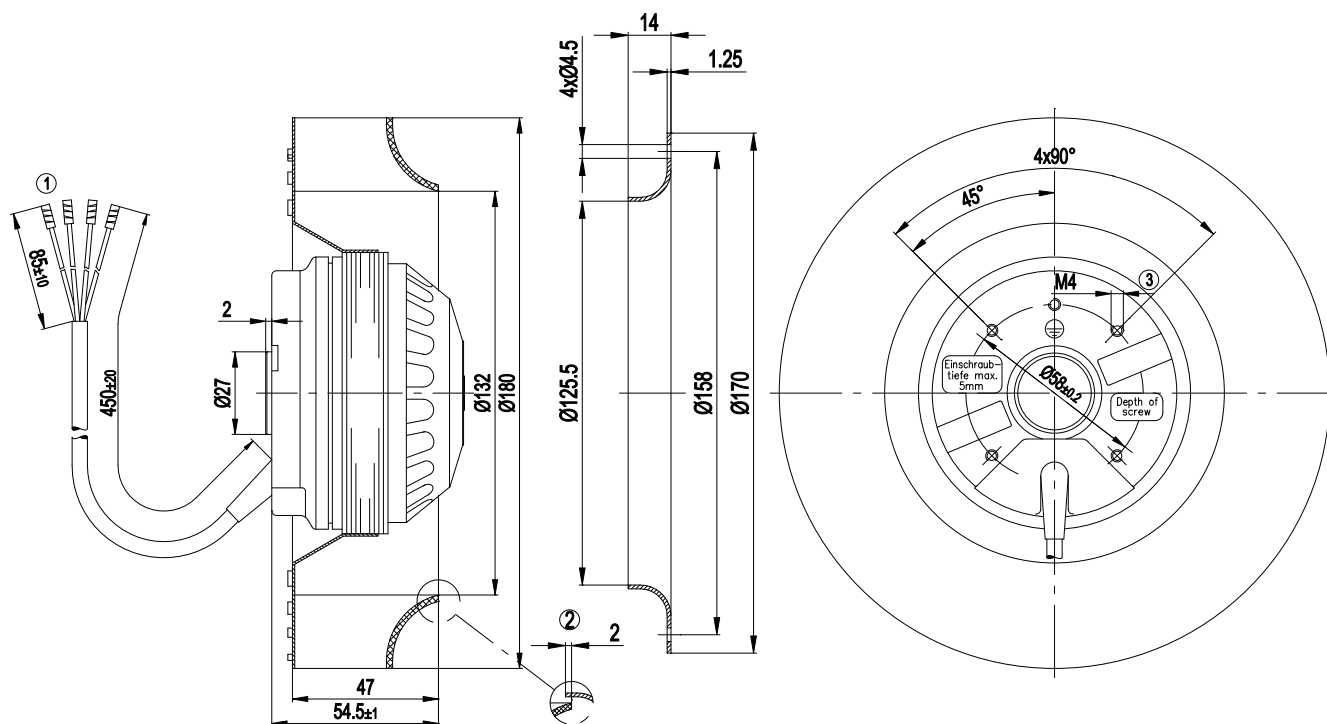
Leackage current	< 0,75 mA
Size	180 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	1.3 kg
Material of impeller	Plastic PA6, fibreglass-reinforced
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	16
Type of protection	IP 44 - depending on position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; GOST

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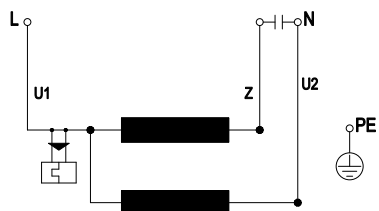
backward curved

Product drawing



- | | |
|---|---|
| 1 | Connection line PVC, 4x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 09576-2-4013, not included in the standard scope of delivery |
| 2 | Depth of screw max. 5 mm |

Connection screen

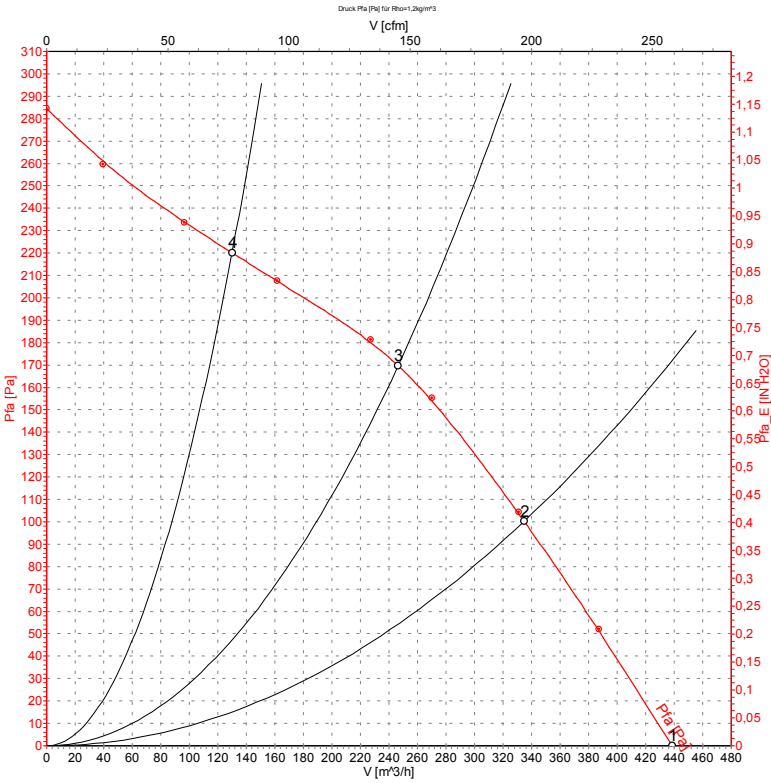


U1	blue	Z	brown	U2	black
PE	green/yellow				

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Charts: Air flow 50 Hz



Measurement: LU-57242

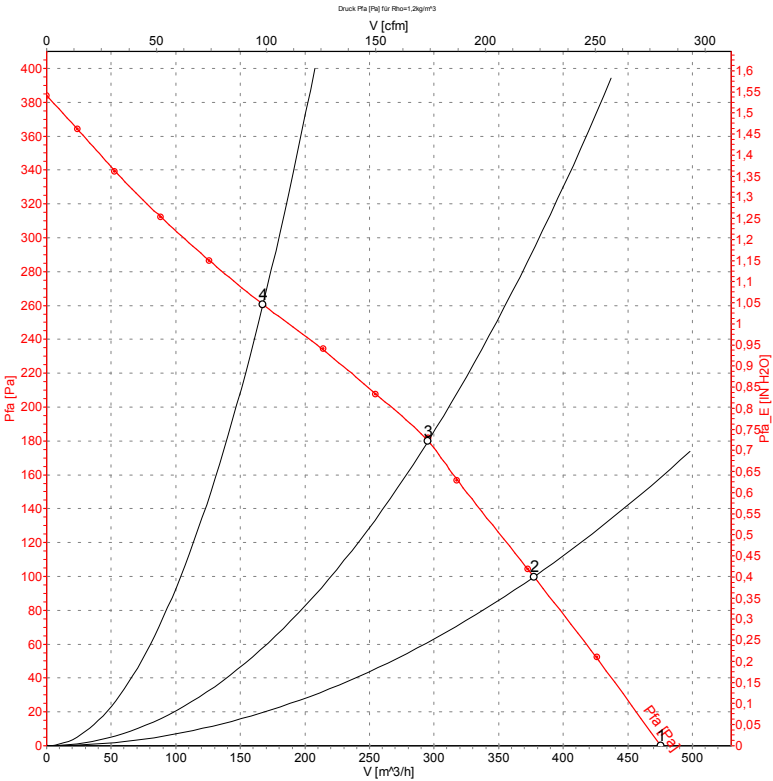
Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	2520	60	0.28	440	0
2	230	50	2485	62	0.28	335	100
3	230	50	2535	60	0.27	245	170
4	230	50	2630	55	0.26	130	220

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Charts: Air flow 60 Hz



Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	2735	75	0.33	475	0
2	230	60	2670	79	0.34	375	100
3	230	60	2725	77	0.33	295	180
4	230	60	2895	71	0.31	170	260