

KARTA KATALOGOWA

R2E220-AB06-05

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

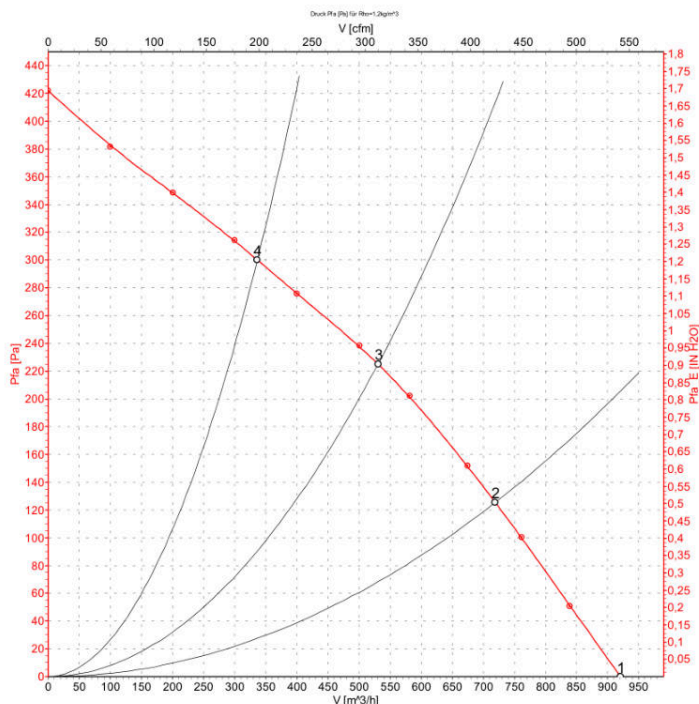
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	220 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-CF
Prędkość obrotowa	2700 / 3050 obr/min	Materiał wirnika	tworzywo PA6 wzmocnione włóknem szklanym
Pobór mocy	85 / 115 W	Liczba łopatek	11
Pobór prądu	0,38 / 0,51 A	Kierunek obrotów	w prawo, patrząc na wirnik
Kondensator	2,5 µF / 400 V	Stopień ochrony	IP44
Maks. wydajność	1030 m³/h	Klasa izolacji	B
Maks. ciśnienie statyczne	570 Pa	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura otoczenia	maks. 45 °C	Łożyskowanie	kulkowe
		Masa	1,75 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



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AC centrifugal fan

backward curved, single inlet


ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2

74673 Mulfingen

Phone: +49 7938 81-0

Fax: +49 7938 81-110

www.ebmpapst.com
info1@de.ebmpapst.com

Nominal data

Type	R2E220-AB06-05		
Motor	M2E068-CF		
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]	2700	3050
Power input	[W]	85	115
Current draw	[A]	0.38	0.51
Motor capacitor	[μF]	2.5	2.5
Capacitor voltage	[VDB]	400	400
Min. back pressure	[Pa]	0	0
Max. ambient temperature	[°C]	45	45

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

R2E220-AB06-05

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backward curved, single inlet

Technical features

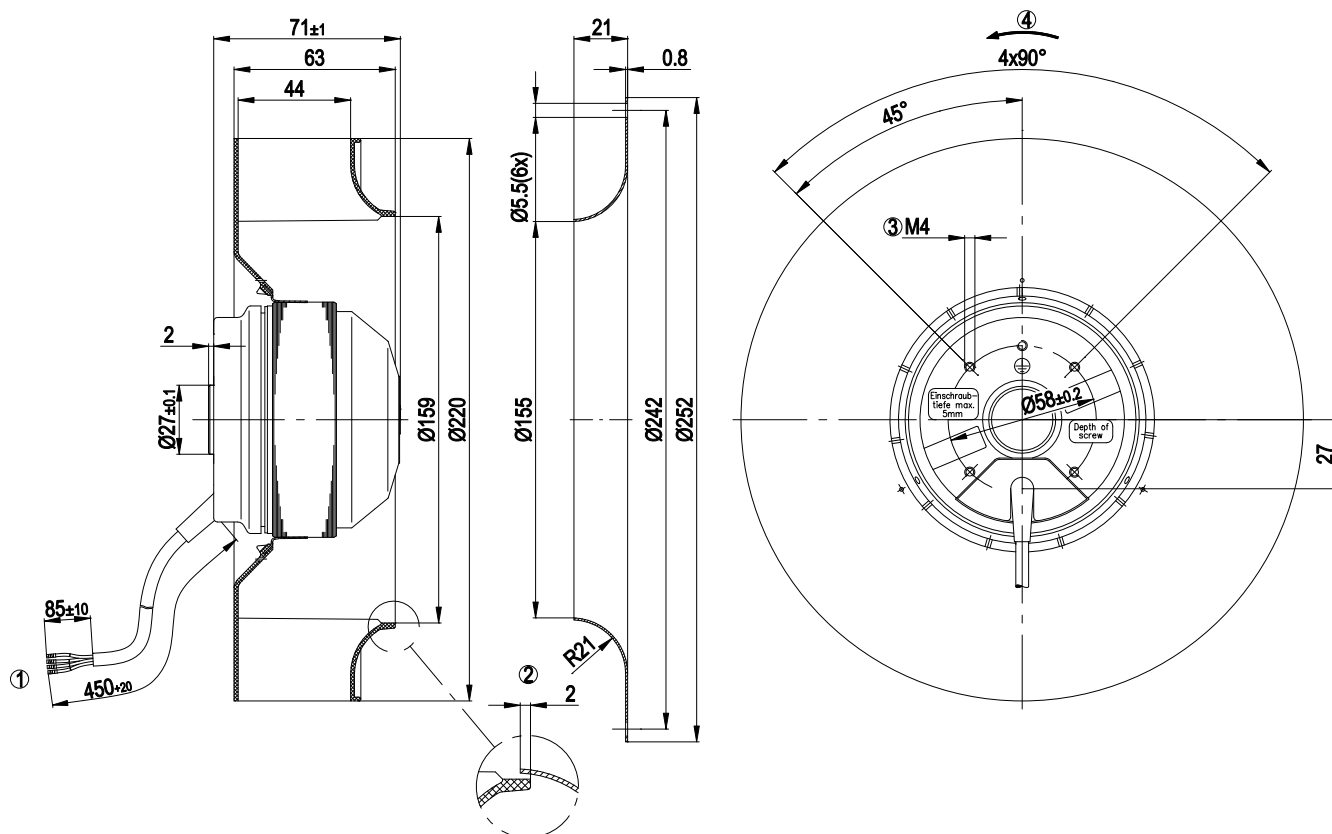
Leakage current	< 0.75 mA
Size	220 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	1.75 kg
Material of impeller	PA plastic 6, 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	11
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; GOST

R2E220-AB06-05

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Product drawing

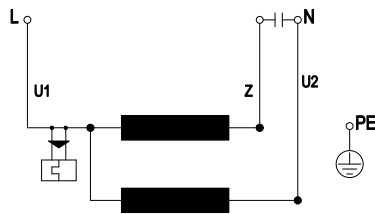


1	Connection line PVC, 4x brass lead tips crimped
2	Accessory part: Inlet nozzle 09609-2-4013, not included in the standard scope of delivery
3	Screw depth max. 5 mm
4	Direction of rotation clockwise, seen on rotor

R2E220-AB06-05

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Connection screen

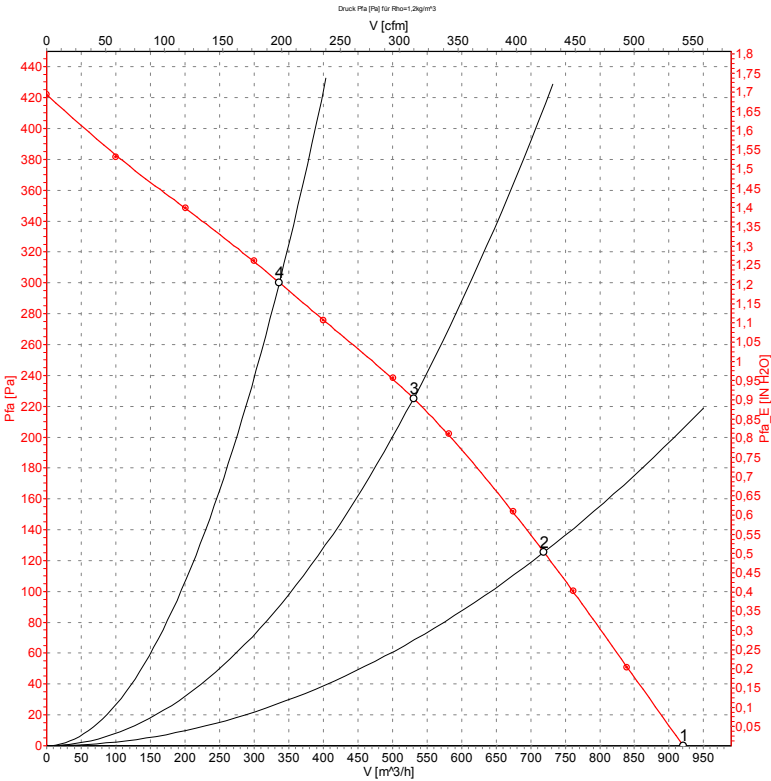


U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E220-AB06-05

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Charts: Air flow 50 Hz



Measurement: LU-106769

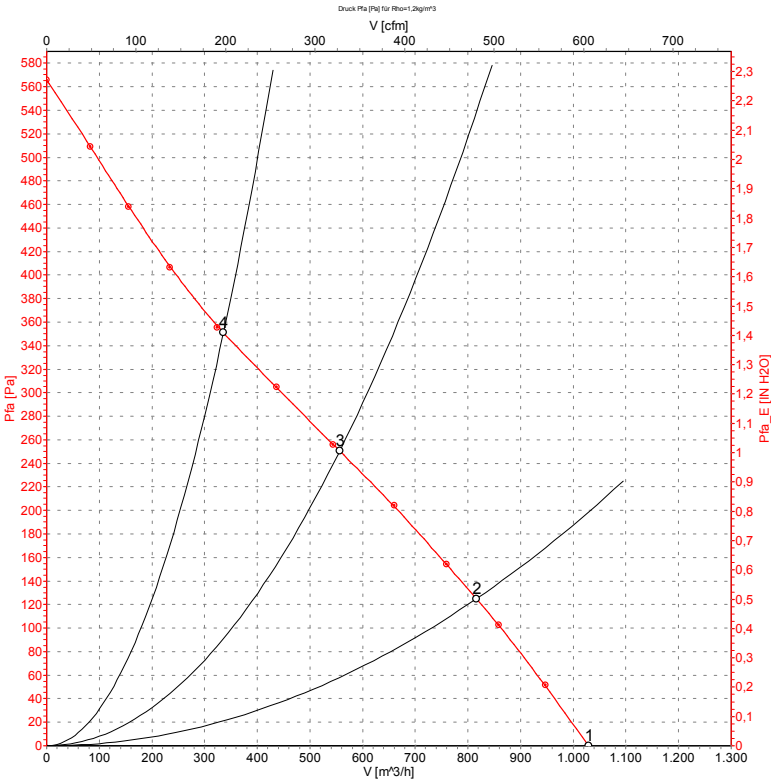
Measured values

	U	f	n	P ₁	I	LpA _{ss}	$\hat{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[dB(A)]	[m³/h]	[Pa]
1	230	50	2665	85	0.38	72	920	0
2	230	50	2540	97	0.43		720	125
3	230	50	2475	104	0.46		530	225
4	230	50	2495	102	0.45		335	300

R2E220-AB06-05

AC centrifugal fan
backward curved, single inlet

Charts: Air flow 60 Hz



Measurement: LU-106770

Measured values

	U	f	n	P ₁	I	LpA _{ss}	$\hat{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[dB(A)]	[m³/h]	[Pa]
1	230	60	2985	115	0.51	75	1030	0
2	230	60	2770	128	0.55		815	125
3	230	60	2600	138	0.60		555	250
4	230	60	2680	133	0.58		335	350