

KARTA KATALOGOWA

R2E225-AX52-05

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

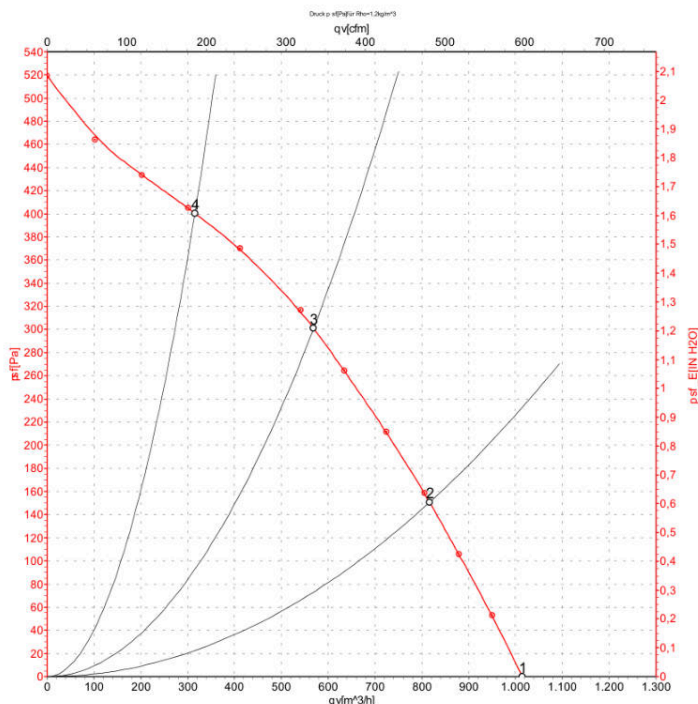
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	225 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-DF
Prędkość obrotowa	2700 / 3000 obr/min	Materiał wirnika	tworzywo PA6 wzmocnione włóknem szklanym
Pobór mocy	115 / 165 W	Liczba łopatek	11
Pobór prądu	0,51 / 0,72 A	Kierunek obrotów	w prawo, patrząc na wirnik
Kondensator	3 µF / 450 V	Stopień ochrony	IP44
Maks. wydajność	1000 m³/h	Klasa izolacji	B
Maks. ciśnienie statyczne	500 Pa	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura otoczenia	maks. 55 / 40 °C	Łożyskowanie	kulkowe
		Masa	2,33 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-64393

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: L_{WA} measured as per ISO 13347 / L_{pA} 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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R2E225-AX52-05

AC centrifugal fan

backward curved, single inlet


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General partner: Elektrobau Mulfingen GmbH · Headquarters Mulfingen

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Nominal data

Type	R2E225-AX52-05		
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	2700	3000
Power input	W	115	165
Current draw	A	0.51	0.72
Motor capacitor	µF	3	3
Capacitor voltage	VDB	450	450
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	55	40

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 centrifugal fan

backward curved, single inlet

Technical features

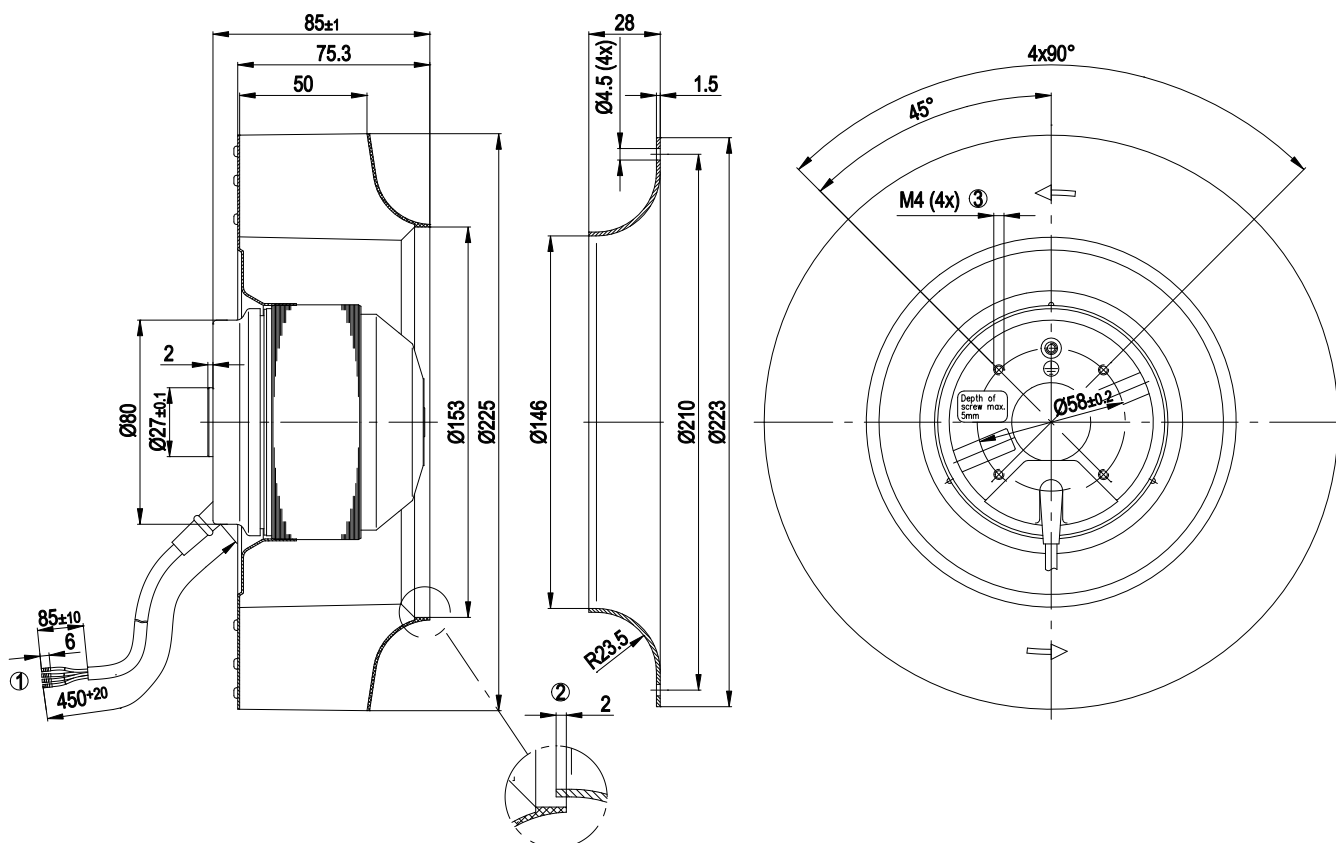
Mass	2.33 kg
Size	225 mm
Surface of rotor	Coated in black
Material of impeller	PA plastic 6, fibreglass-reinforced
Number of blades	11
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Leakage current	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC

R2E225-AX52-05

AC centrifugal fan

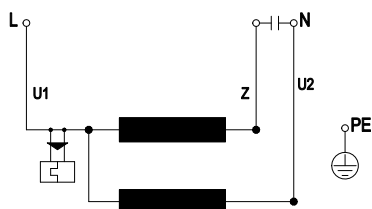
backward curved, single inlet

Product drawing



- | | |
|---|---|
| 1 | Connection line PVC, 4x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 96358-2-4013, not included in the standard scope of delivery |
| 3 | Screw depth max. 5 mm |

Connection screen

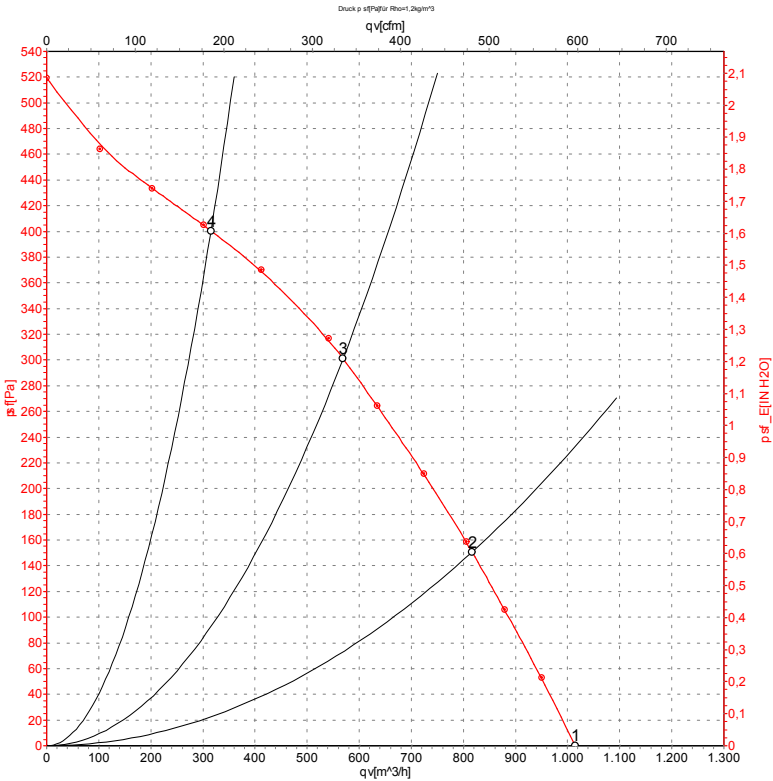


U1	blue	Z	brown	U2	black
PE	green/yellow				

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AC centrifugal fan
backward curved, single inlet

Charts: Air flow 50 Hz



Measurement: LU-64393

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 _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	2700	115	0.51	1015	0
2	230	50	2610	132	0.58	815	151
3	230	50	2585	136	0.60	570	302
4	230	50	2670	119	0.52	315	400

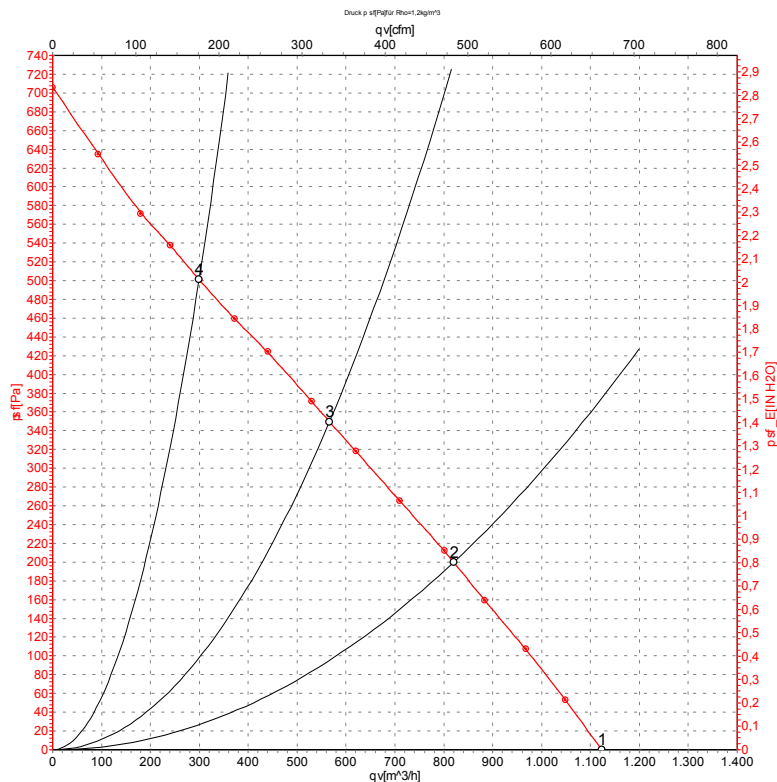


R2E225-AX52-05

AC centrifugal fan

backward curved, single inlet

Charts: Air flow 60 Hz



Measurement: LU-64394

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: L_{WA} measured as per ISO 13347 / L_{pA} 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	q _v	P _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	3000	165	0.72	1120	0
2	230	60	2750	188	0.82	820	200
3	230	60	2720	191	0.83	565	350
4	230	60	2975	164	0.72	300	501