

KARTA KATALOGOWA

R2E225-BD92-12

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

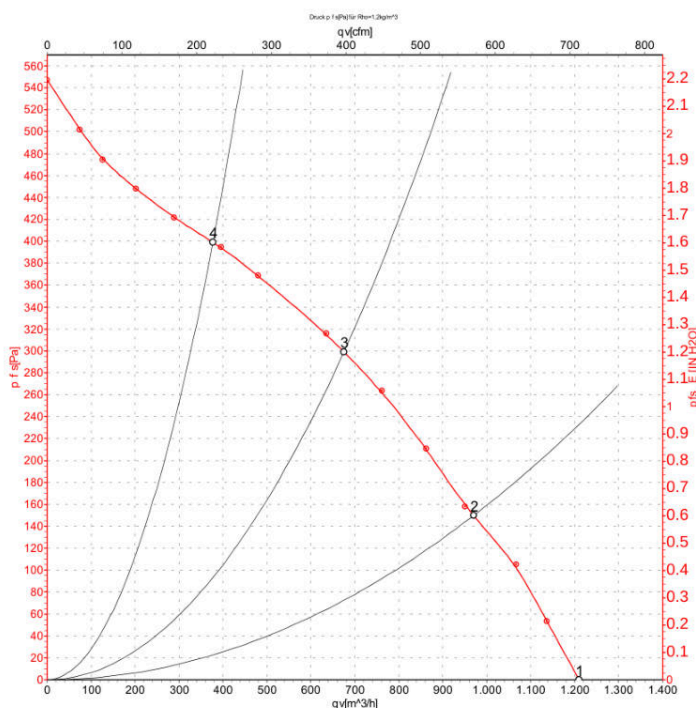
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	225 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-DF
Prędkość obrotowa	2650 / 2950 obr/min	Materiał wirnika	tworzywo PA6 wzmocnione włóknem szklanym
Pobór mocy	135 / 200 W	Liczba łopatek	7
Pobór prądu	0,6 / 0,88 A	Kierunek obrotów	w prawo, patrząc na wirnik
Prąd rozruchowy	1,2 A	Stopień ochrony	IP44
Kondensator	4 µF / 450 V	Klasa izolacji	F
Maks. wydajność	1200 m³/h	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. ciśnienie statyczne	520 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	-25...+55 °C	Masa	2,26 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-57084-1

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.

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R2E225-BD92-12

AC centrifugal fan

backward-curved, single-intake


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General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	R2E225-BD92-12		
Motor	M2E068-DF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		-	-
Speed (rpm)	min ⁻¹	2650	2950
Power consumption	W	135	200
Current draw	A	0.6	0.88
Capacitor	µF	4	4
Capacitor voltage	VDB	450	450
Min. back pressure	Pa	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	55	55
Starting current	A	1.2	1.2

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	2.26 kg
Fan size	225 mm
Motor size	68
Rotor surface	Painted black
Impeller material	PA6 plastic, glass-fiber reinforced
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44
Degree of protection	Depending on installation position acc. to EN 60034-5
Insulation class	«F»
Moisture (F) / Environmental (H) protection class	H1
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 bottom; rotor on top on request
Condensation drainage holes	On rotor side
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
Approval	EAC; UL 1004-1; CCC; CSA C22.2 № 100

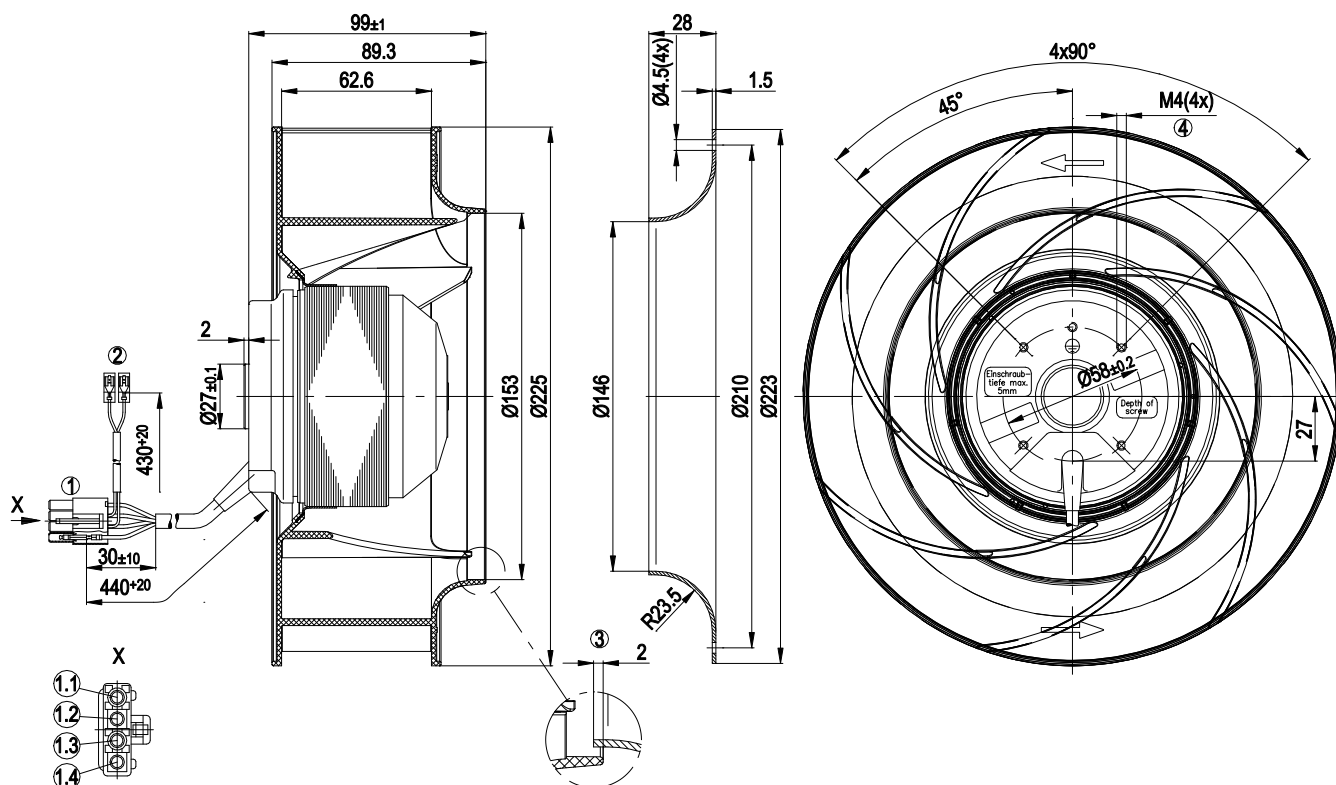

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Product drawing



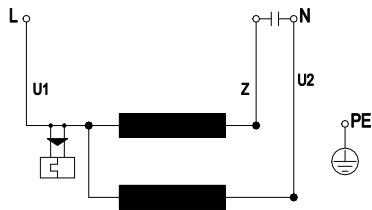
1	Connection line PTFE AWG20, plug housing (ELP-04V) with 4 receptacles (SLF-41T-P1.3E)
1.1	Green/yellow
1.2	brown + capacitor
1.3	black + capacitor
1.4	blue
2	Connection line PTFE AWG20, for capacitor with 2 plug housings (0854283700) and 2 flat plugs 6.3 x 0.8 (160389-3)
3	Accessory part: inlet ring 96358-2-4013, not included in scope of delivery.
4	Max. clearance for screw 5 mm

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Connection diagram



U1	blue	Z	brown	U2	black
PE	green/yellow				

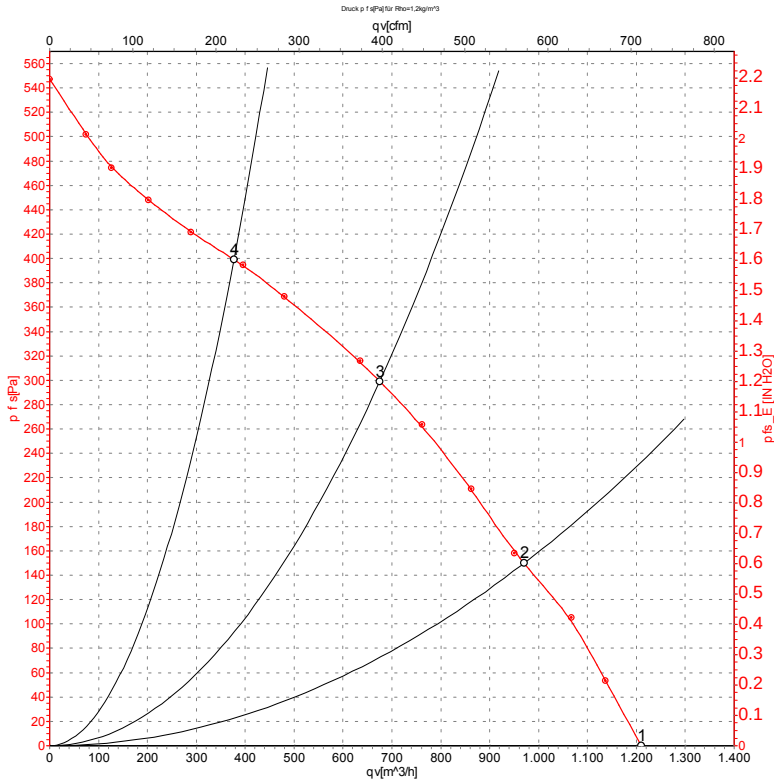


R2E225-BD92-12

AC centrifugal fan

backward-curved, single-intake

Curves: Air performance 50 Hz



Measurement: LU-57084-1

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.

Measured values

	U	f	n	P _e	I	q _v	P _{ts}	q _v	P _{ts}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	50	2700	135	0.60	1210	0	710	0.00
2	230	50	2660	138	0.60	970	150	570	0.60
3	230	50	2595	150	0.65	675	300	395	1.20
4	230	50	2645	140	0.61	375	400	220	1.61

U = Power supply · f = Frequency · n = Speed (rpm) · P

e = Power consumption · I = Current draw · q_v = Air flow · p

ts = Pressure increase

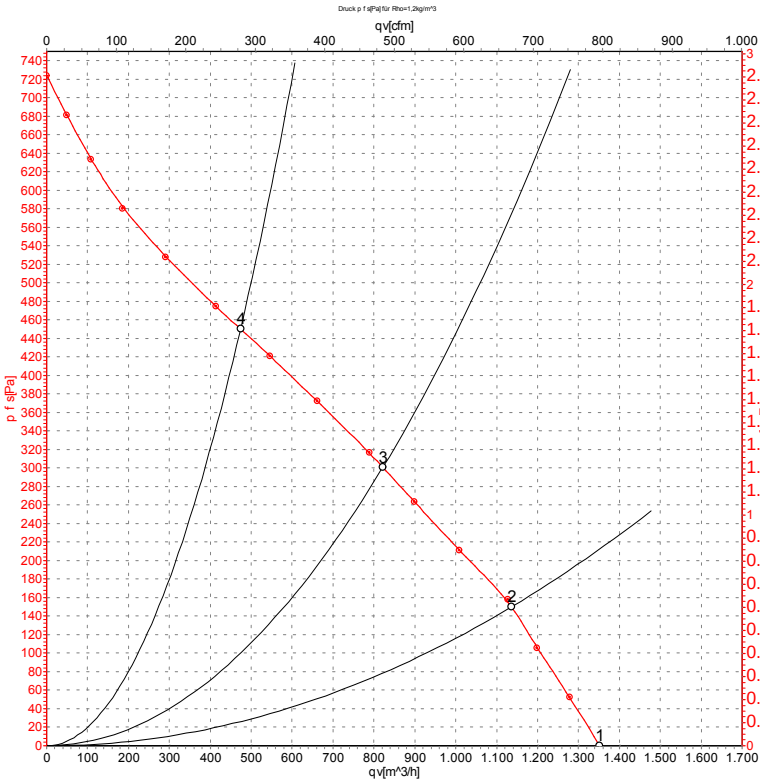


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AC centrifugal fan
backward-curved, single-intake

Curves: Air performance 60 Hz



Measurement: LU-57085-1

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.

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	2950	200	0.88	1350	0	795	0.00
2	230	60	2910	207	0.91	1135	150	670	0.60
3	230	60	2795	216	0.94	820	300	485	1.20
4	230	60	2845	210	0.92	475	450	280	1.81

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase

