

KARTA KATALOGOWA

R2E225-BD64-24

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

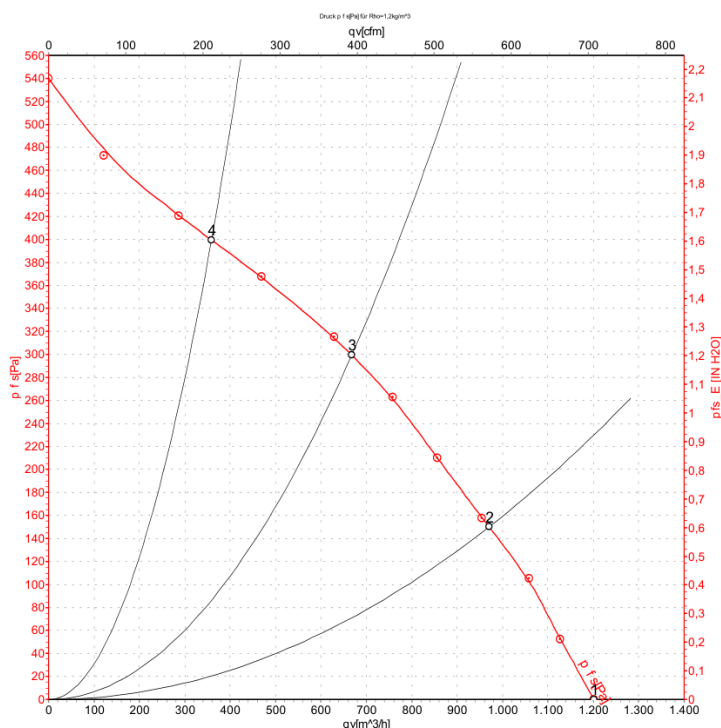
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Średnica wirnika	225 mm
Częstotliwość	50/60 Hz	Materiał wirnika	tworzywo PA
Prędkość obrotowa	2700 / 3050 obr/min	Liczba łopatek	7
Pobór mocy	136 / 195 W	Stopień ochrony	IP44
Pobór prądu	0,6 / 0,86 A	Klasa izolacji	F
Kondensator	4 µF / 450 V	Zabezpieczenie silnika	termik (TOP)
Maks. wydajność	1200 m³/h	Masa	2,3 kg
Maks. ciśnienie statyczne	400 Pa		
Temperatura otoczenia	-25...+60 °C (60 Hz: +55 °C)		

Charakterystyka przepływowa

Curves: Air performance 50 Hz



Measurement: LU-53801-1

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 have to be checked on the installed unit.

Dane na podstawie karty producenta ebm-papst (oryginał na kolejnych stronach).
Wartości dla 50 Hz / 60 Hz; producent zastrzega możliwość zmian.

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R2E225-BD64-24

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-BD64-24		
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	2700	3050
Power consumption	W	136	195
Current draw	A	0.6	0.86
Capacitor	µF	4	4
Capacitor voltage	VDB	450	450
Capacitor standard		S0 (CE)	S0 (CE)
Min. back pressure	Pa	0	0
Min. back pressure	in. wg	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	55
Starting current	A	1.4	1.4

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



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Technical description

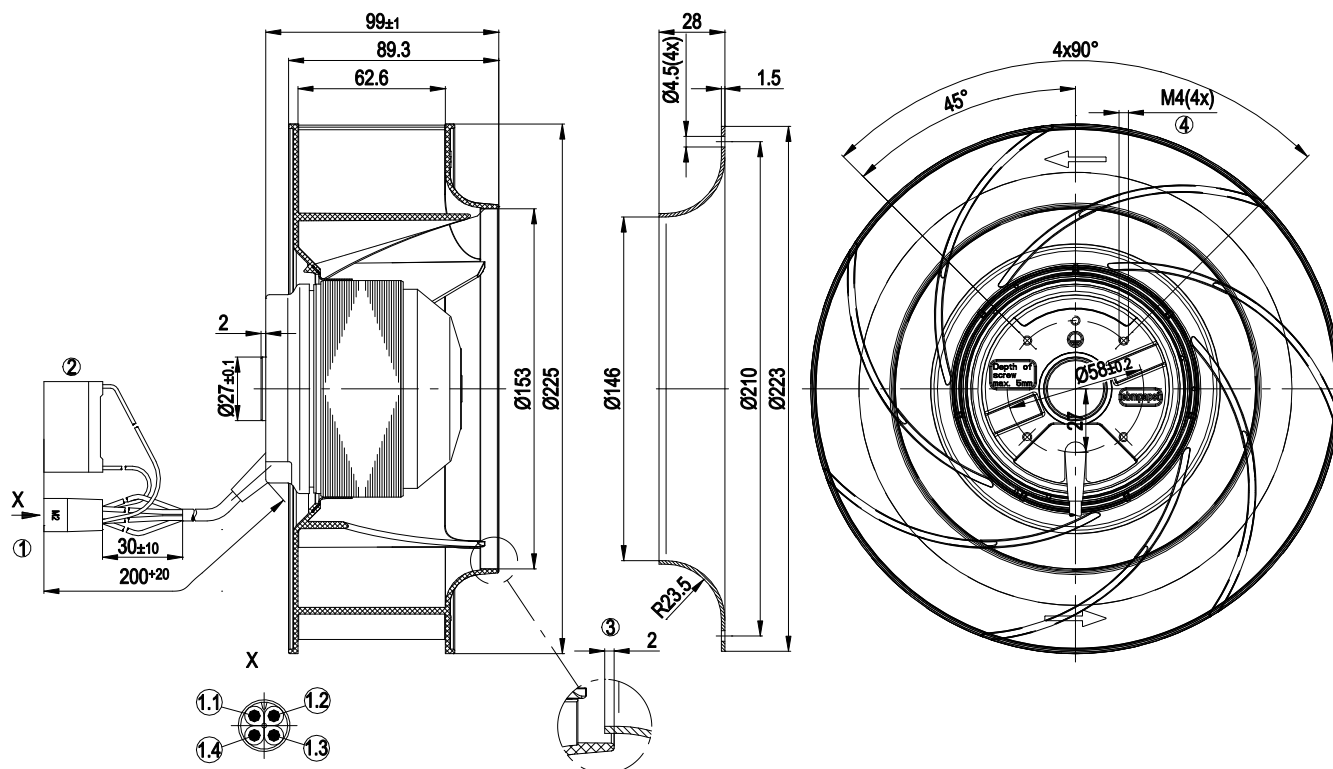
Weight	2.3 kg
Size	225 mm
Motor size	68
Rotor surface	Painted black
Impeller material	PA plastic
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	H1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None
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)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1
Approval	UL 1004-3; CCC; CSA C22.2 No. 77

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Product drawing



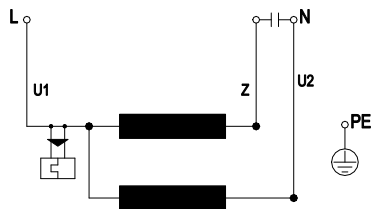
1	Cable PFA AWG20, 4-pole connector housing tyco 925075-7, 2x plug pin tyco 163555-6, 2x plug pin tyco 163303-8
1.1	brown + capacitor
1.2	black + capacitor
1.3	blue
1.4	green/yellow
2	Capacitor with adhesive foil
3	Accessory part: Inlet ring 96358-2-4013, not included in scope of delivery
4	Max. clearance for screw 5 mm

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Connection diagram



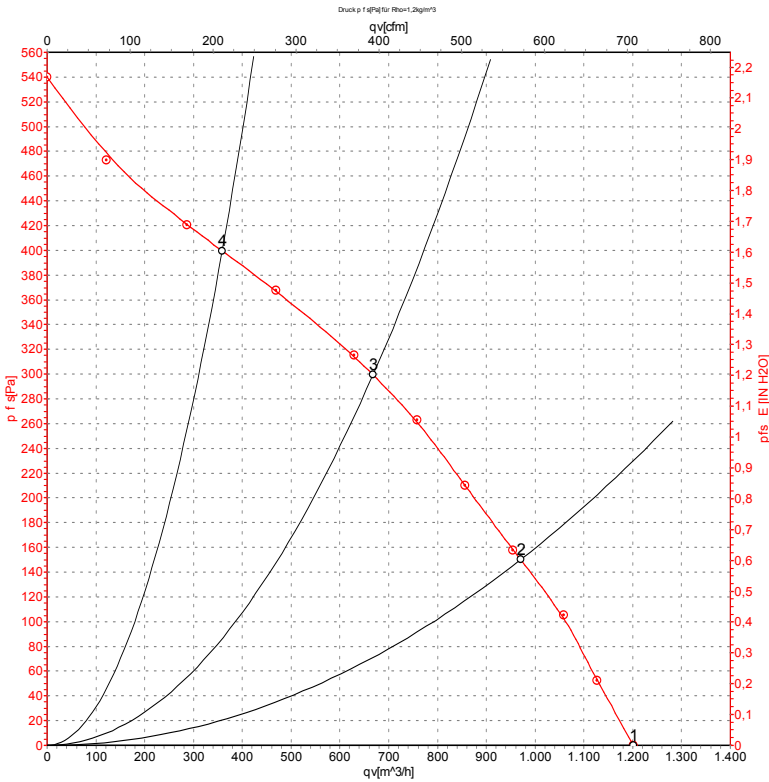
U1	blue	Z	brown	U2	black
PE	green/yellow				



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Curves: Air performance 50 Hz



Measurement: LU-53801-1

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Measured values

	U	f	n	P _e	I	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	50	2700	136	0.60	1200	0	705	0.00
2	230	50	2660	148	0.67	970	150	570	0.60
3	230	50	2615	158	0.70	670	300	395	1.20
4	230	50	2670	146	0.66	360	400	210	1.61

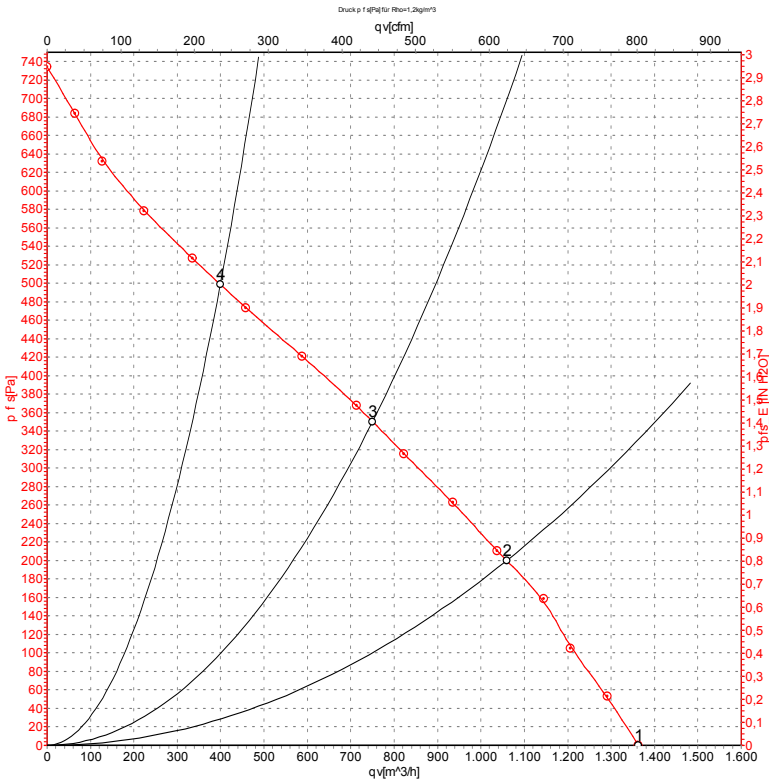
U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



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AC centrifugal fan
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Curves: Air performance 60 Hz



Measurement: LU-53802-1

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 have to be checked on 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	60	3050	195	0.86	1365	0	800	0.00
2	230	60	2970	208	0.91	1060	200	625	0.80
3	230	60	2865	221	0.96	750	350	440	1.41
4	230	60	2980	206	0.90	400	500	235	2.01

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

