

KARTA KATALOGOWA

R2E250-AL05-16

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

Producent: ebm-papst



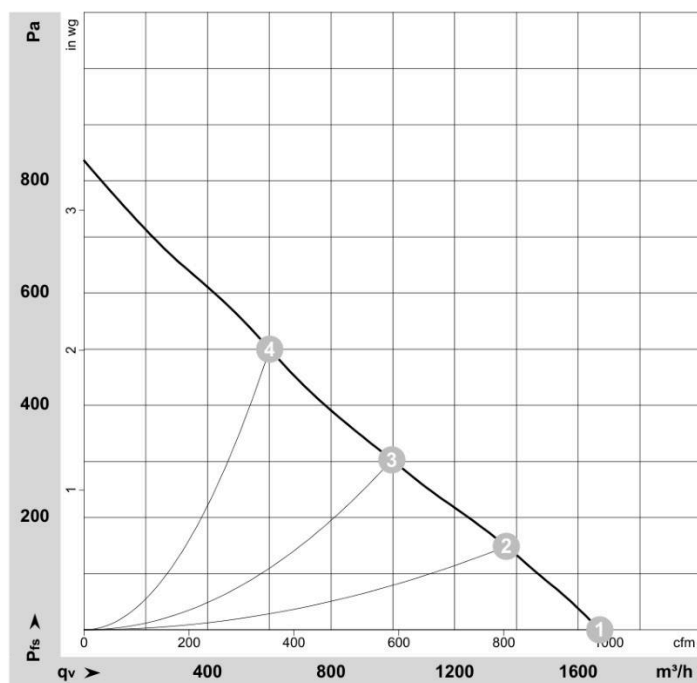
Zdjęcie poglądowe

Dane znamionowe	
Napięcie znamionowe	1~ 230 V
Częstotliwość	60 Hz
Prędkość obrotowa	3000 obr/min
Pobór mocy	295 / 310 W
Pobór prądu	1,3 A
Kondensator	5 µF / 400 V
Maks. wydajność	1650 m³/h
Maks. ciśnienie statyczne	830 Pa
Temperatura otoczenia	-25...+60 °C

Budowa	
Wielkość	250 mm
Silnik	M2E068-GA
Materiał wirnika	blacha stalowa ocynkowana, malowana na czarno
Liczba łopatek	11
Kierunek obrotów	w prawo, patrząc na wirnik
Stopień ochrony	IP00
Klasa izolacji	B
Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Łożyskowanie	kulkowe
Masa	4 kg

Charakterystyka przepływowa (60 Hz)

Curves: Air performance 60 Hz



$$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$$

Measurement: LU-31361-1

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 okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).
Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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R2E250-AL05-16

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	R2E250-AL05-16		
Motor	M2E068-GA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	60	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	UL 2111
Speed (rpm)	min ⁻¹	3000	3000
Power consumption	W	295	310
Current draw	A	1.3	
Capacitor	µF	5	5
Capacitor voltage	VDB	400	400
Capacitor standard		S2 (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	60

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	4 kg
Fan size	250 mm
Rotor surface	Painted black
Impeller material	Sheet steel, galvanized and painted black
Number of blades	11
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP00; (motor)
Insulation class	"B"
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, open rotor
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 (if the protective earth is connected by the customer to the marked PE connection point)
Conformity with standards	EN 60335-1; CE
Approval	CSA C22.2 No. 77; CCC; UL 1004-3

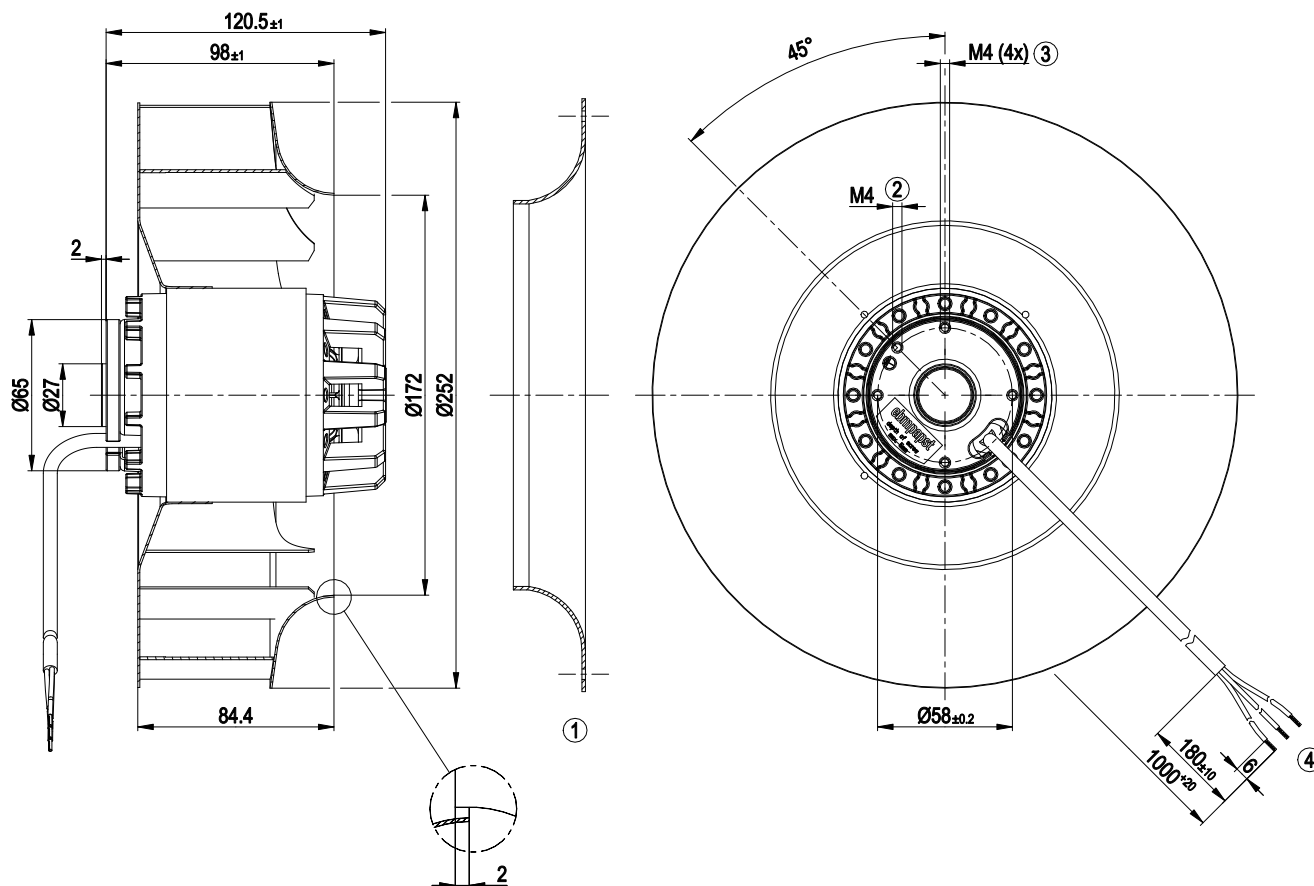


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Product drawing



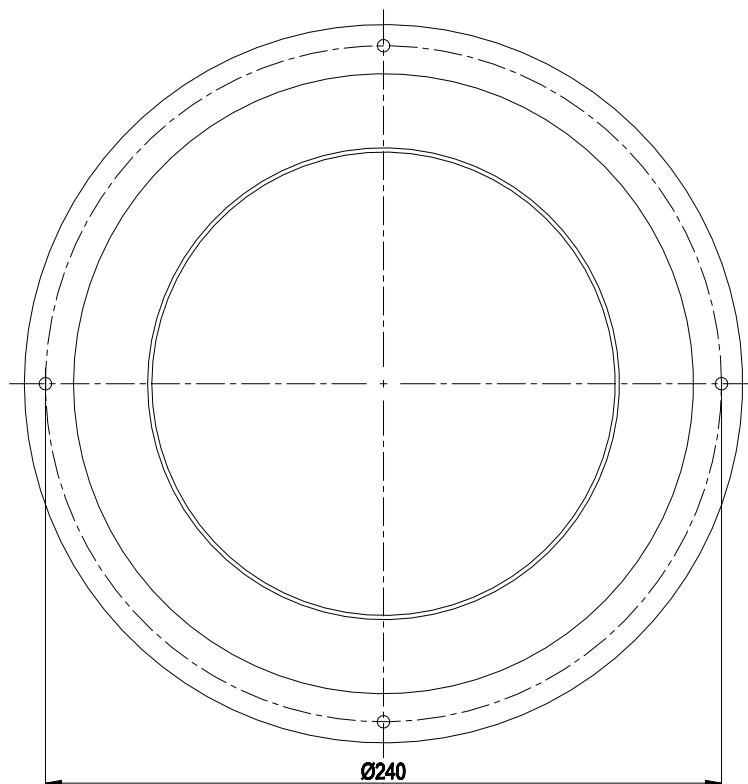
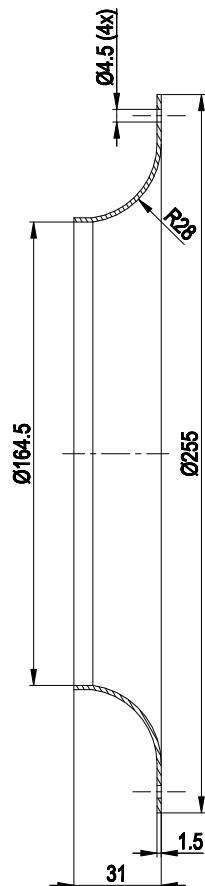
- | | |
|---|---|
| 1 | Accessory part: inlet ring 96359-2-4013 not included in scope of delivery |
| 2 | Ground connection point |
| | Max. clearance for screw 5 mm |
| 3 | Max. clearance for screw 5 mm |
| 4 | Cable PFA AWG20, 3x crimped splices |

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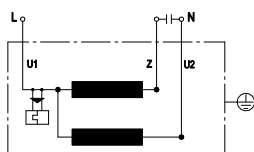
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Accessory part



Accessory part: inlet ring 96359-2-4013 not included in scope of delivery

Connection diagram



U1 blue

Z brown

U2 black

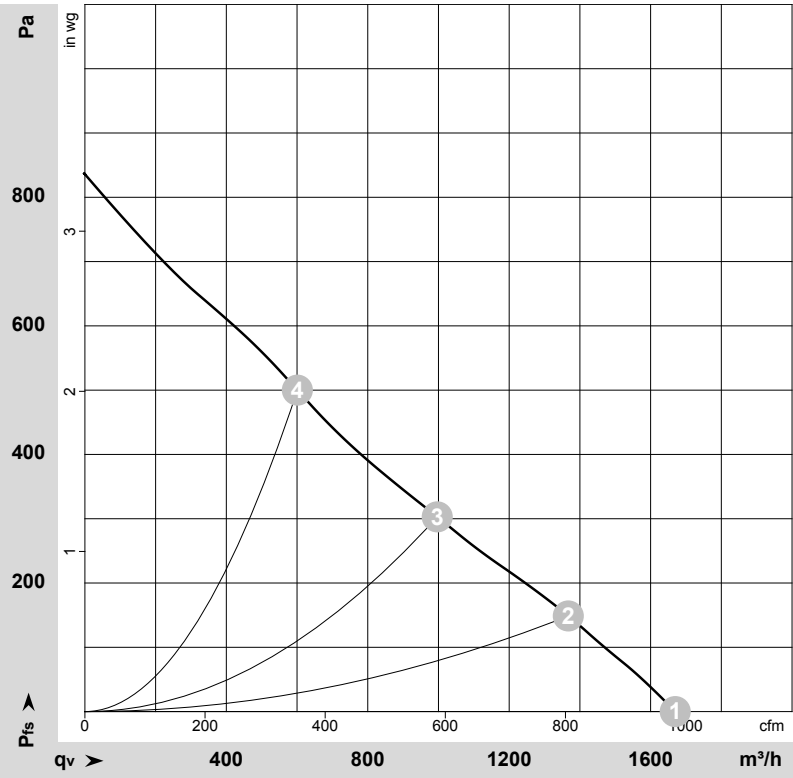


ebmpapst

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Curves: Air performance 60 Hz



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Measured values

	U	f	n	P _e	I	q _v	P _f	q _v	P _f
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	60	3000	295	1.30	1670	0	985	0.00
2	230	60	2860	338	1.48	1365	150	805	0.60
3	230	60	2670	383	1.69	995	300	585	1.20
4	230	60	2770	358	1.58	600	500	355	2.01

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

