

KARTA KATALOGOWA

R4E250-AH01-05

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

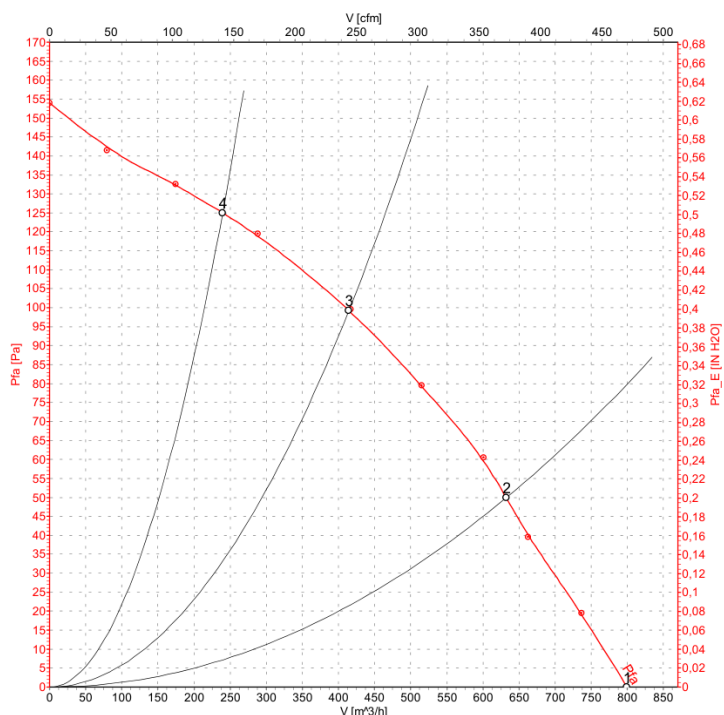
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Średnica wirnika	250 mm
Częstotliwość	50/60 Hz	Materiał wirnika	tworzywo PA
Prędkość obrotowa	1400 / 1600 obr/min	Liczba łopatek	11
Pobór mocy	43 W	Stopień ochrony	IP44
Pobór prądu	0,2 A	Klasa izolacji	B
Kondensator	1,5 / 1 µF	Zabezpieczenie silnika	termik (TOP)
Maks. wydajność	800 m³/h	Masa	1,96 kg
Maks. ciśnienie statyczne	125 Pa		
Maks. temp. otoczenia	+60 °C		

Charakterystyka przepływowa

Charts: Air flow 50 Hz



Measurement: LU-57245

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

Dobór, wycena i dostawa – zapytaj LUFTBERG

tel. +48 600 100 371 · tel. +48 604 959 199
biuro@luftberg.pl · www.luftberg.pl

R4E250-AH01-05

AC centrifugal fan

backward curved, single inlet



Phone: +49(0)7938/81-0

Fax: +49(0)7938/81-110

Nominal data

Type	R4E250-AH01-05		
Motor	M4E068-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]	1400	1600
Power input	[W]	43	43
Current draw	[A]	0.20	0.20
Motor capacitor	[μF]	1.5	1.0
Capacitor voltage	[VDB]	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	[Pa]	0	0
Max. ambient temperature	[°C]	60	60

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

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Technical features

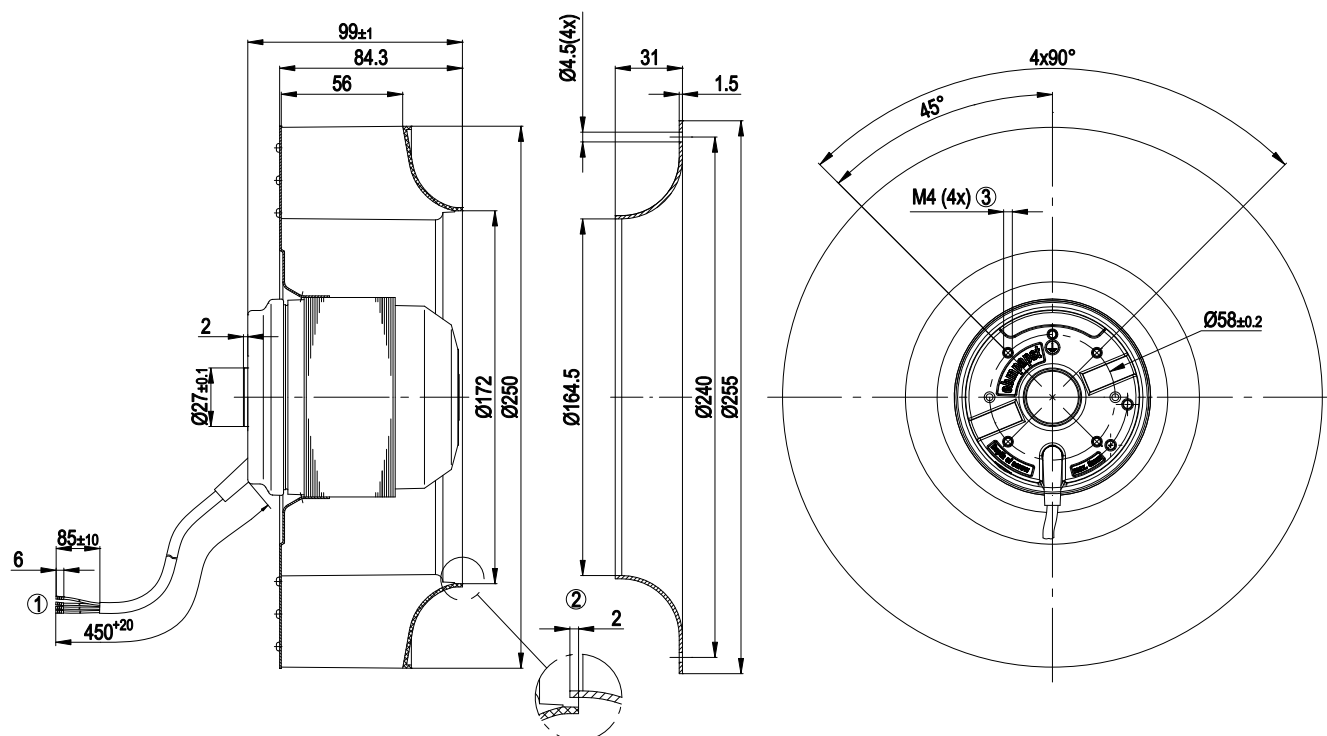
Leakage current	< 0.75 mA
Size	250 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	1.96 kg
Material of impeller	PA plastic, black
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

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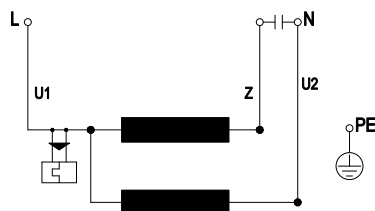
backward curved, single inlet

Product drawing



- | | |
|---|---|
| 1 | Connection line PVC 4 x 0.5 mm ² ; 4 x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 96359-2-4013, not included in the standard scope of delivery |
| 3 | Depth of screw max. 5 mm |

Connection screen

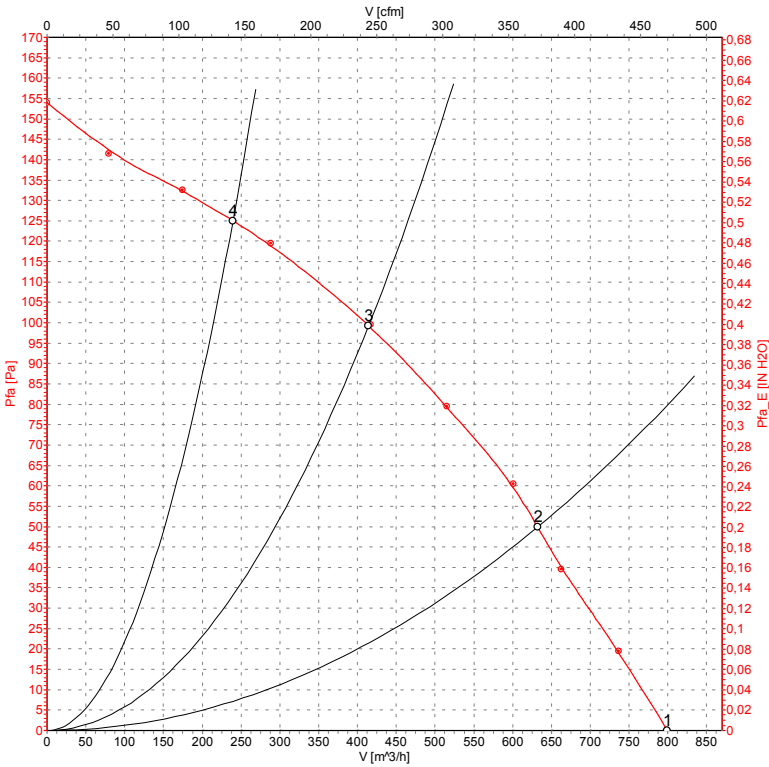


U1	blue	Z	brown	U2	black
PE	green/yellow				

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Charts: Air flow 50 Hz



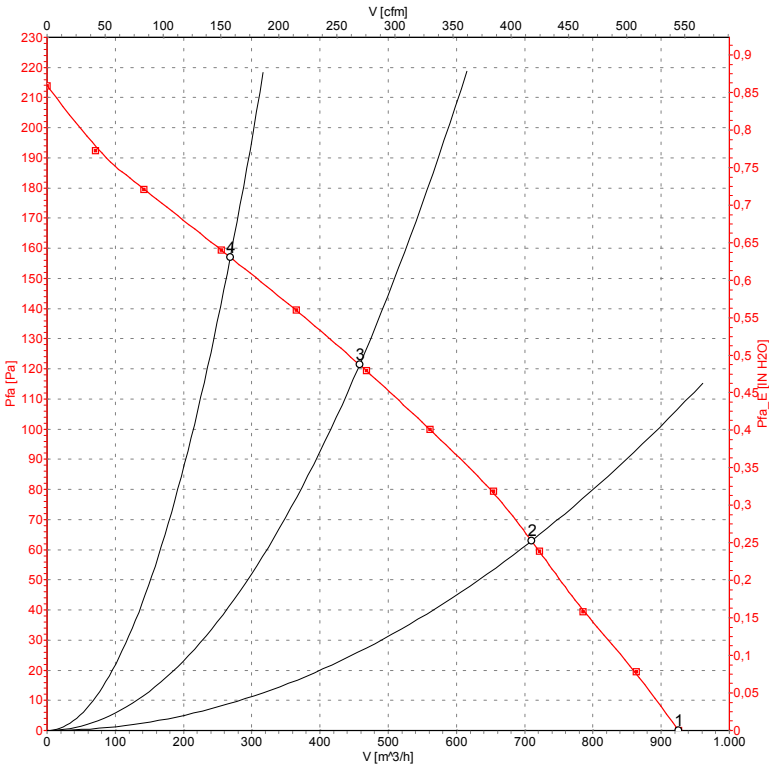
Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m ³ /h]	[Pa]
1	230	50	1400	43	0.20	800	0
2	230	50	1370	45	0.21	630	50
3	230	50	1355	47	0.22	415	100
4	230	50	1370	45	0.21	240	125

R4E250-AH01-05

AC centrifugal fan
backward curved, single inlet

Charts: Air flow 60 Hz



Measurement: LU-57246

Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	1600	43	0.20	925	0
2	230	60	1525	50	0.23	710	63
3	230	60	1485	53	0.24	460	122
4	230	60	1530	50	0.22	270	157