

KARTA KATALOGOWA

R2E190-RB06-13

Wentylator promieniowy AC RadiCal, łopatki zakrzywione do tyłu, jednostronnie ssący

Producent: ebm-papst

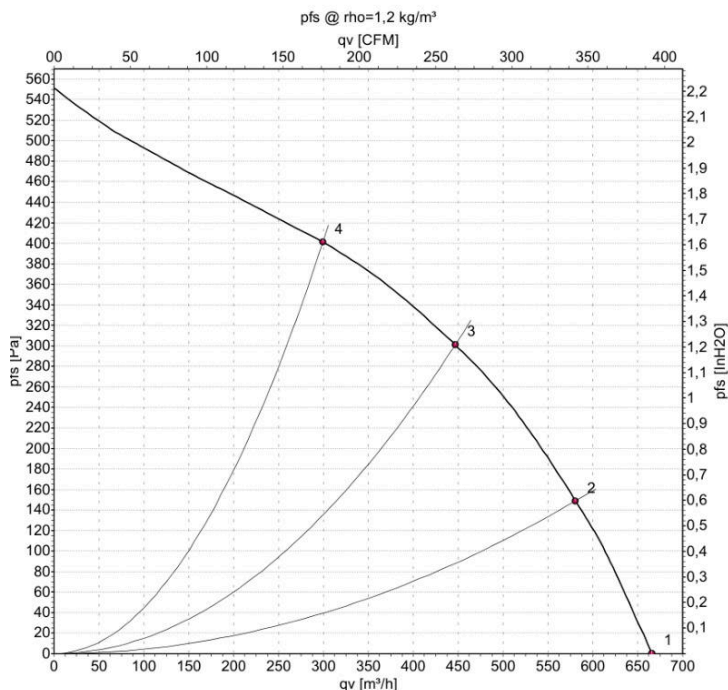


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	190 mm
Częstotliwość	60 Hz	Silnik	M2E068-CF
Prędkość obrotowa	3150 obr/min	Materiał wirnika	tworzywo PA
Pobór mocy	112 / 117 W	Liczba łopatek	7
Pobór prądu	0,50 A	Kierunek obrotów	w prawo, patrząc na wirnik
Prąd rozruchowy	0,87 A	Stopień ochrony	IP44
Kondensator	3 µF / 400 V	Klasa izolacji	B
Maks. wydajność	665 m³/h	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. ciśnienie statyczne	400 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	-25...+60 °C	Masa	1,7 kg

Charakterystyka przepływowa (60 Hz)

Curves: Air performance 60 Hz



Measurement: LU-127892-1

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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AC centrifugal fan - RadiCal

backward-curved, single-intake

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Nominal data

Type	R2E190-RB06-13		
Motor	M2E068-CF		
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	3150	3150
Power consumption	W	112	117
Current draw	A	0.50	0.50
Capacitor	µF	3	3
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	UL
Min. back pressure	Pa	0	0
Min. back pressure	inH2O	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	60
Starting current	A	0.87	

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



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Technical description

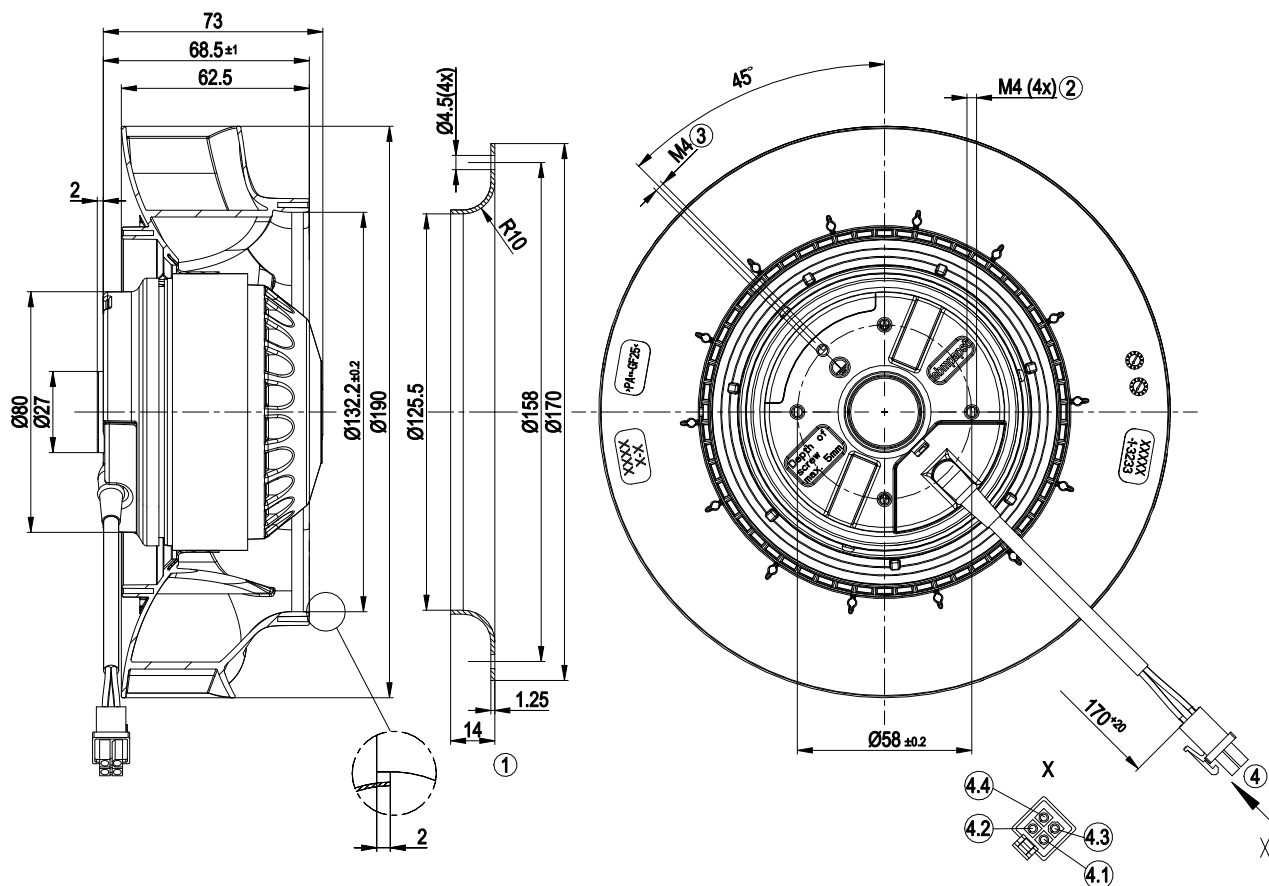
Weight	1.7 kg
Fan size	190 mm
Rotor surface	Painted black
Impeller material	PA plastic
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
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 (if protective earth is connected by customer to the housing's connection point)
Conformity with standards	EN 60335-1; CE
Approval	CCC; UL 2111; CSA C22.2 No. 77

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Product drawing



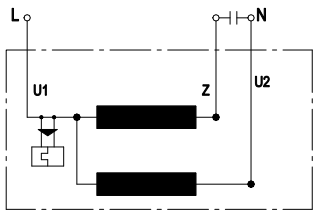
1	Accessory part: inlet ring 09576-2-4013, not included in scope of delivery
2	Max. clearance for screw 5 mm
3	Max. clearance for screw 5 mm
4	Cable PVC AWG20, 4-pole connector housing tyco 172167-1, 3x socket tyco 170362-1
4.1	not used
4.2	black
4.3	brown
4.4	blue

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Connection diagram



U1	blue	Z	brown	U2	black
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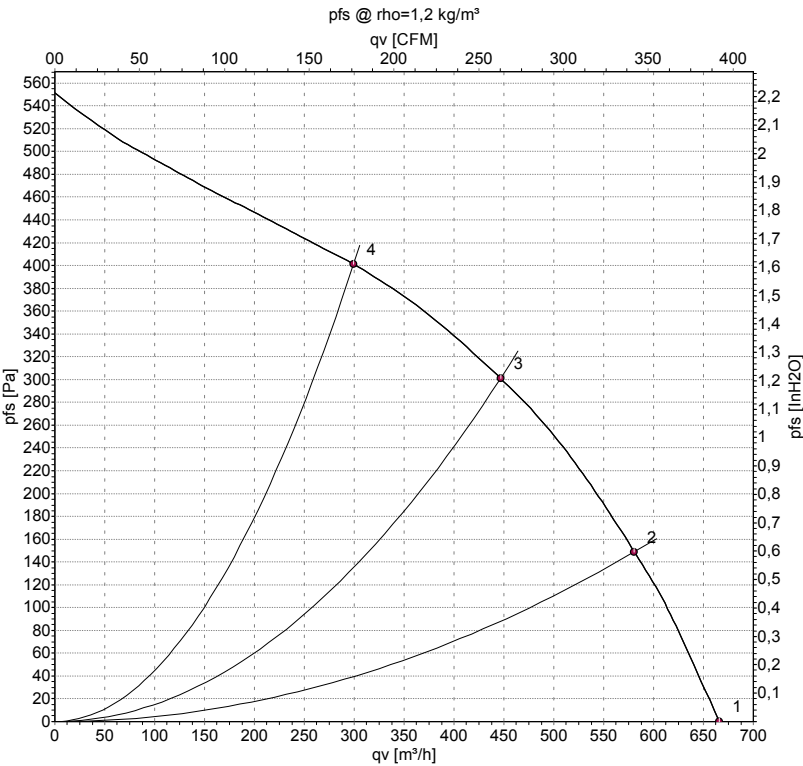


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Measured values

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	qv	p _{fs}	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa	CFM	inH2O
1	230	60	3255	101	0.45	67	74	665	0	390	0.00
2	230	60	3225	105	0.47	63	70	580	150	340	0.60
3	230	60	3150	112	0.50	61	68	445	300	265	1.20
4	230	60	3195	108	0.48	62	71	300	400	175	1.61

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
qv = Air flow · p_{fs} = Pressure increase

