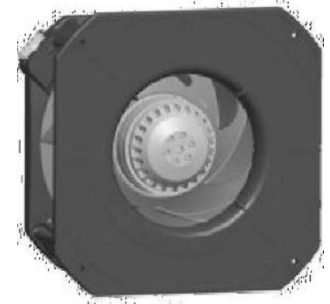


KARTA KATALOGOWA

K2E220-RB06-10

Moduł wentylatora promieniowego AC RadiCal, łopatki zakrzywione do tyłu, jednostronnie ssący, z obudową

Producent: ebm-papst

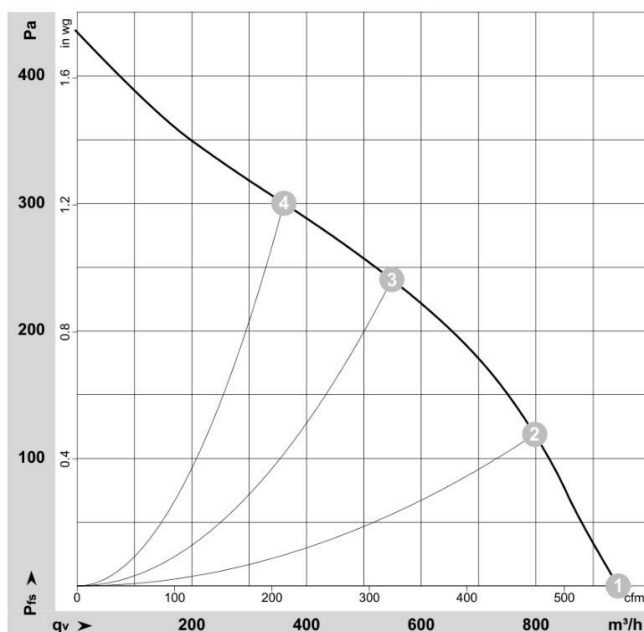


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	220 mm
Częstotliwość	50 / 60 / 60 Hz	Silnik	M2E068-CF
Prędkość obrotowa	2500 / 2650 / 2650 obr/min	Materiał wirnika	tworzywo PA
Pobór mocy	102 / 135 / 140 W	Obudowa	tworzywo PA
Pobór prądu	0,45 / 0,60 / 0,60 A	Kratka ochronna	tworzywo PA
Prąd rozruchowy	0,85 / 0,82 / 0,83 A	Liczba łopatek	7
Kondensator	2,5 µF / 400 V	Kierunek obrotów	w prawo, patrząc na wirnik
Maks. wydajność	945 m³/h	Stopień ochrony	IP44
Maks. ciśnienie statyczne	430 Pa	Klasa izolacji	F
Temperatura otoczenia	min. -25 °C; maks. 60 / 75 / 75 °C	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	2,47 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



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

Measurement: LU-129486-1

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 maksymalnym obciążeniu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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K2E220-RB06-10

AC centrifugal module - RadiCal

backward-curved, single-intake
with housing

ebm-papst Mulfingen GmbH & Co. KG

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Nominal data

Type	K2E220-RB06-10			
Motor	M2E068-CF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Method of obtaining data		ml	ml	ml
Valid for approval/standard		CE	CE	UL 2111
Speed (rpm)	min ⁻¹	2500	2650	2650
Power consumption	W	102	135	140
Current draw	A	0.45	0.60	0.60
Capacitor	µF	2.5	2.5	2.5
Capacitor voltage	VDB	400	400	400
Capacitor standard		S0 (CE)	S0 (CE)	UL
Min. back pressure	Pa	0	0	0
Min. back pressure	inH2O	0	0	0
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	60	75	75
Starting current	A	0.85	0.82	0.83

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



K2E220-RB06-10

AC centrifugal module - RadiCal

backward-curved, single-intake
with housing

Technical description

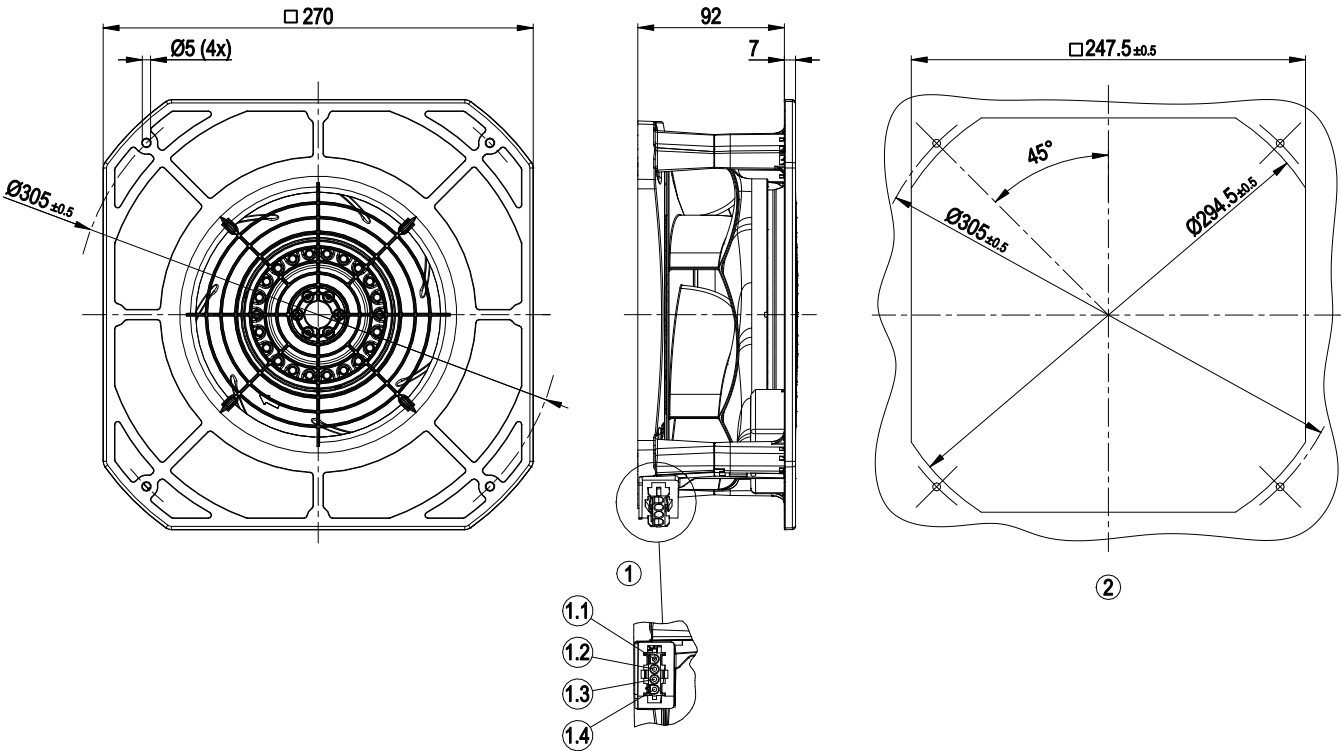
Weight	2.47 kg
Fan size	220 mm
Rotor surface	Painted black
Impeller material	PA plastic
Housing material	PA plastic
Guard grille material	PA plastic
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"F"
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 (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE
Approval	CCC; UL 1004-3; CSA C22.2 No. 77

K2E220-RB06-10

AC centrifugal module - RadiCal

backward-curved, single-intake
with housing

Product drawing



1	tyco coded plug system
	4-pole connector housing tyco 926305-7
	4x plug pin tyco 926 885-1
	Mating connector (not included in scope of delivery):
	4-pole connector housing tyco 926298-6
	4x socket Tyco 926 884-1
1.1	PE
1.2	L
1.3	N + capacitor
1.4	Capacitor
	(capacitor wired internally)
2	Mounting dimensions



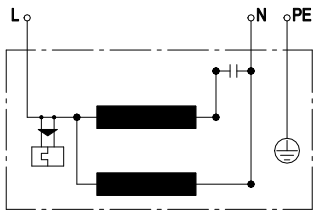
K2E220-RB06-10

AC centrifugal module - RadiCal

backward-curved, single-intake

with housing

Connection diagram



L	blue	N	black	PE	green/yellow
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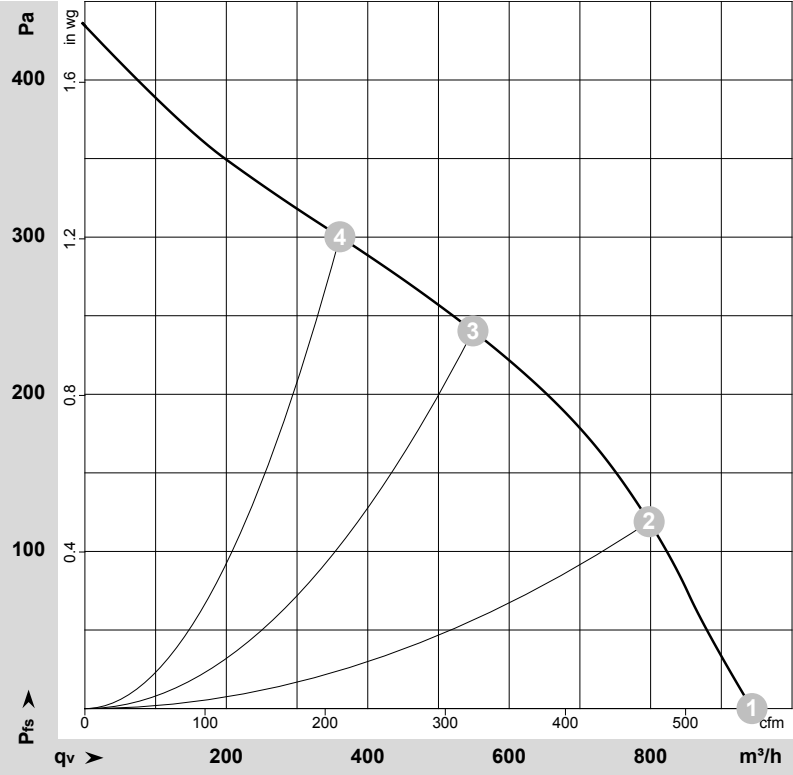
K2E220-RB06-10

AC centrifugal module - RadiCal

backward-curved, single-intake

with housing

Curves: Air performance 50 Hz



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

Measurement: LU-129486-1

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	LpA _{in}	LwA _{in}	q _v	P _{ts}	q _v	P _{ts}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa	cfm	inH2O
1	230	50	2640	88	0.40	63	70	945	0	555	0.00
2	230	50	2580	95	0.42	59	67	800	120	470	0.48
3	230	50	2500	102	0.45	56	64	550	240	325	0.96
4	230	50	2560	97	0.43	58	66	360	300	210	1.20

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
q_v = Air flow · p_{ts} = Pressure increase



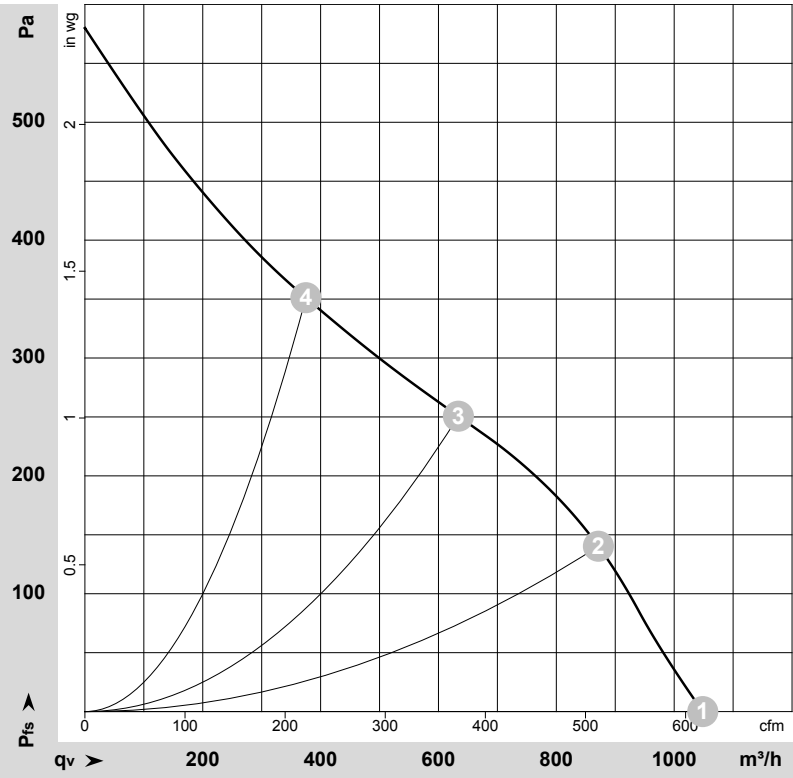
K2E220-RB06-10

AC centrifugal module - RadiCal

backward-curved, single-intake

with housing

Curves: Air performance 60 Hz



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

Measurement: LU-129487-1

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	LpA _{in}	LwA _{in}	q _v	P _{ts}	q _v	P _{ts}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa	cfm	inH2O
1	230	60	2935	118	0.51	65	73	1050	0	615	0.00
2	230	60	2805	127	0.55	61	68	870	140	515	0.56
3	230	60	2650	135	0.60	58	66	635	250	375	1.00
4	230	60	2755	129	0.56	60	68	375	350	220	1.41

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
q_v = Air flow · P_{ts} = Pressure increase

