

KARTA KATALOGOWA

R2E220-AA40-23

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

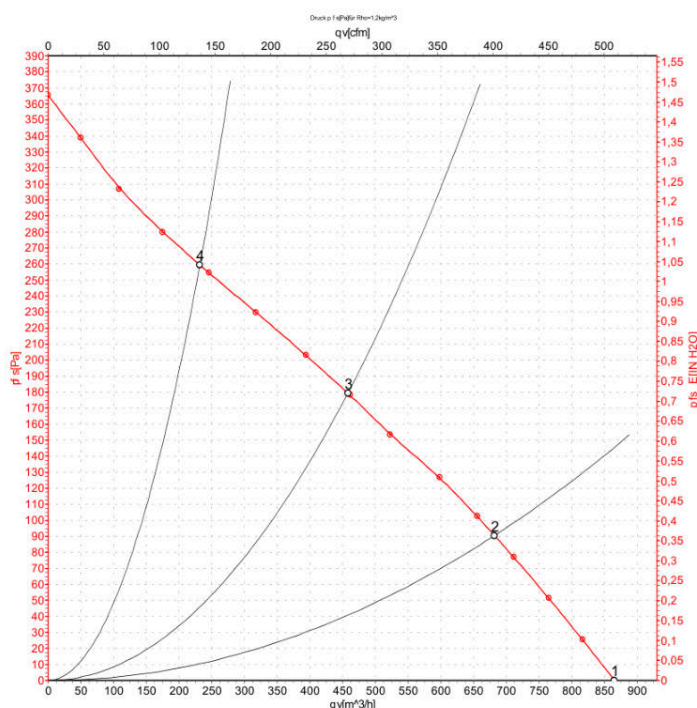
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	220 mm
Częstotliwość	50 / 60 / 60 Hz	Silnik	M2E068-BF
Prędkość obrotowa	2600 / 2700 / 2700 obr/min	Materiał wirnika	tworzywo PA6 wzmocnione włóknem szklanym
Pobór mocy	85 / 100 / 90 W	Liczba łopatek	11
Pobór prądu	0,38 / 0,43 / 0,40 A	Kierunek obrotów	w prawo, patrząc na wirnik
Prąd rozruchowy	0,54 / 0,52 A	Stopień ochrony	IP44
Kondensator	3 / 2 / 2 µF / 400 V	Klasa izolacji	B
Maks. wydajność	865 m³/h	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. ciśnienie statyczne	350 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	-25...+40 °C	Masa	1,3 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-106763

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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R2E220-AA40-23

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	R2E220-AA40-23			
Motor	M2E068-BF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Method of obtaining data		fa	fa	fa
Valid for approval/standard		CE	UL 2111	CE
Speed	min ⁻¹	2600	2700	2700
Power consumption	W	85	100	90
Current draw	A	0.38	0.43	0.40
Capacitor	µF	3	2	2
Capacitor voltage	VDB	400	400	400
Capacitor standard		P0 (CE)	UL	P0 (CE)
Min. back pressure	Pa	0	0	0
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	40	40	40
Starting current	A	0.54		0.52

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

Subject to change


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R2E220-AA40-23

AC centrifugal fan

backward-curved, single-intake

Technical description

Weight	1.3 kg
Fan size	220 mm
Rotor surface	Unpainted
Impeller material	PA6 plastic, glass-fiber reinforced
Number of blades	11
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	F0
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 storage	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)
Conformity with standards	EN 60335-1; CE
Approval	CCC; CSA C22.2 No. 113; UL 507

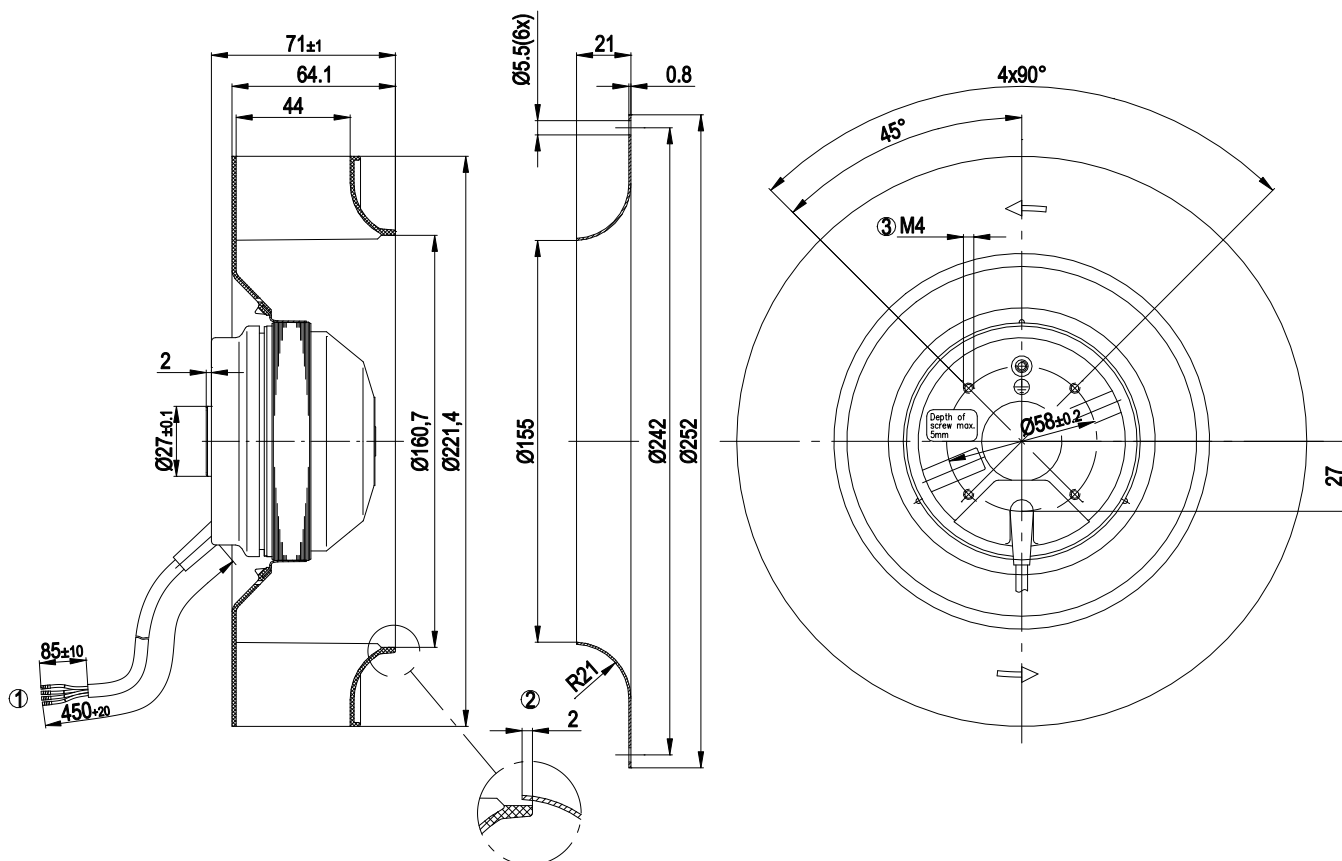

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R2E220-AA40-23

AC centrifugal fan

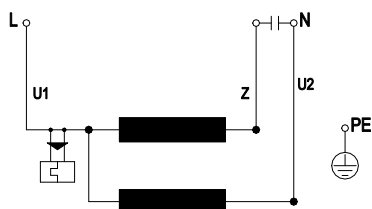
backward-curved, single-intake

Product drawing



- | | |
|---|--|
| 1 | Cable PVC, 4x crimped splices |
| 2 | Accessory part: Inlet ring 09609-2-4013, not included in scope of delivery |
| 3 | Max. clearance for screw 5 mm |

Connection diagram



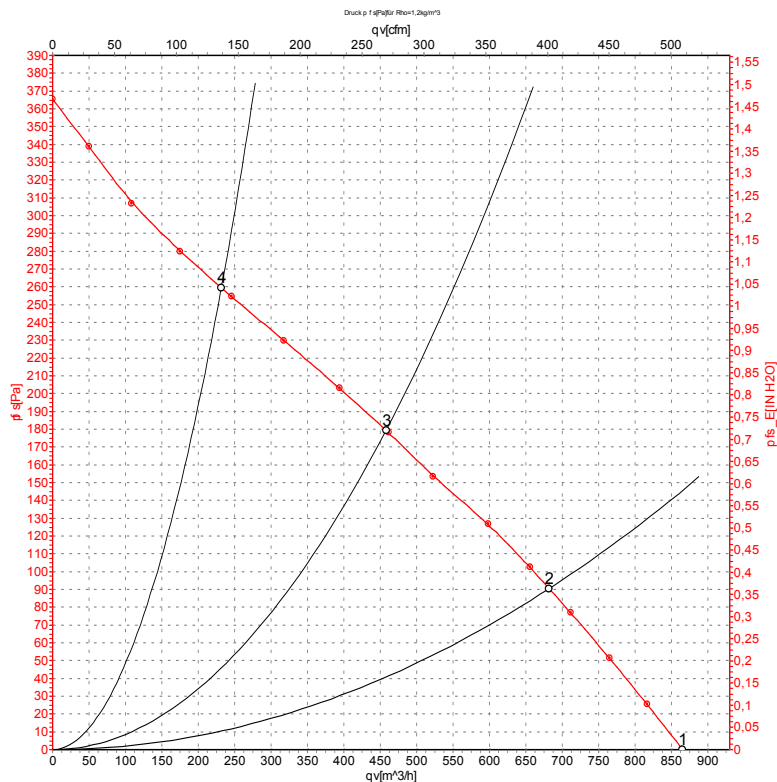
U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E220-AA40-23

AC centrifugal fan

backward-curved, single-intake

Curves: Air performance 50 Hz



Measurement: LU-106763

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	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	2405	85	0.38	865	0
2	230	50	2260	91	0.39	680	90
3	230	50	2155	94	0.41	460	180
4	230	50	2245	91	0.40	230	260

U = Power supply · f = Frequency · n = Speed · P_e = Power consumption · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

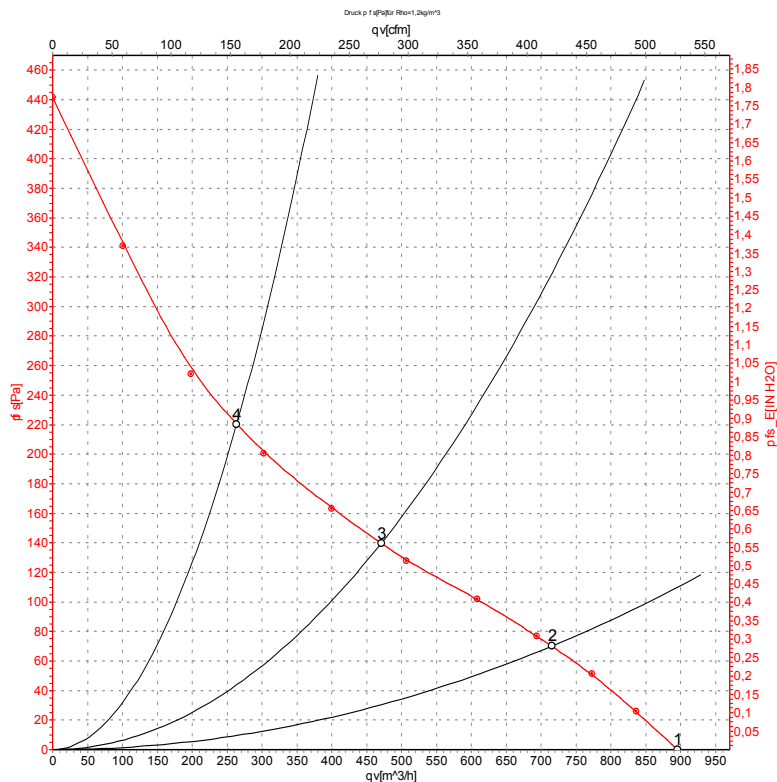

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R2E220-AA40-23

AC centrifugal fan

backward-curved, single-intake

Curves: Air performance 60 Hz



Measurement: LU-106764

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	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	60	2490	84	0.37	895	0
2	230	60	2265	90	0.39	715	70
3	230	60	2020	94	0.41	470	140
4	230	60	2100	93	0.40	265	220

U = Power supply · f = Frequency · n = Speed · P_e = Power consumption · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



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