

KARTA KATALOGOWA

R2E220-AA40-80

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

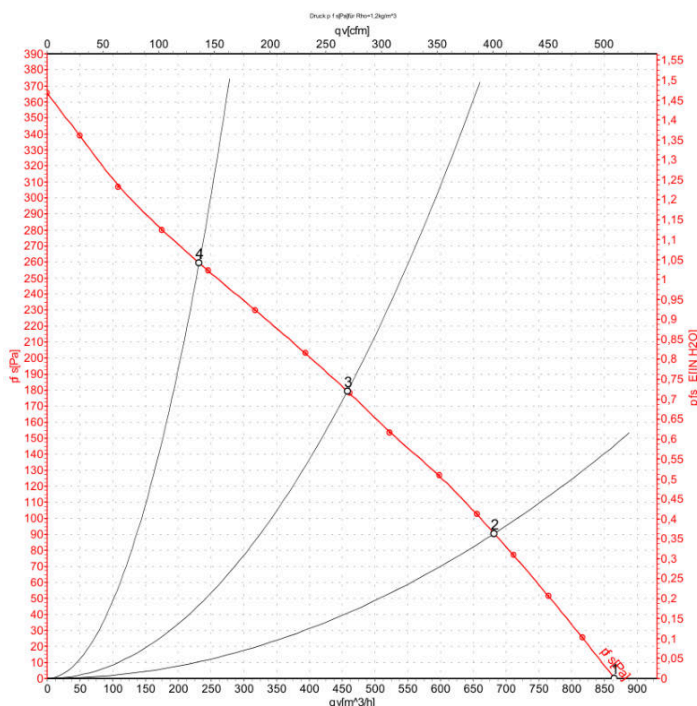
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Średnica wirnika	220 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-BF
Prędkość obrotowa	2600 / 2700 obr/min	Materiał wirnika	tworzywo PA6 z włóknem szklanym
Pobór mocy	85 / 100 W	Liczba łopatek	11
Pobór prądu	0,38 / 0,43 A	Stopień ochrony	IP44
Kondensator	3 µF (50 Hz) / 2 µF (60 Hz), 400 V	Klasa izolacji	F
Prąd rozruchowy	0,54 / 0,52 A	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. wydajność	865 m³/h	Łożyskowanie	kulkowe
Maks. ciśnienie statyczne	350 Pa	Masa	1,34 kg
Temperatura otoczenia	-25...+55 °C		

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-106763-1

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 dokumentacji ebm-papst; za okładką oryginalna karta producenta.
Wartości przy swobodnym wydmuchu; 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

R2E220-AA40-80

AC centrifugal fan

backward-curved, single-intake


ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Nominal data

Type	R2E220-AA40-80			
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 (rpm)	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		S0 (CE)	UL	S0 (CE)
Min. back pressure	Pa	0	0	0
Min. back pressure	inH ₂ O	0	0	0
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	55	55	55
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

R2E220-AA40-80

AC centrifugal fan

backward-curved, single-intake

Technical description

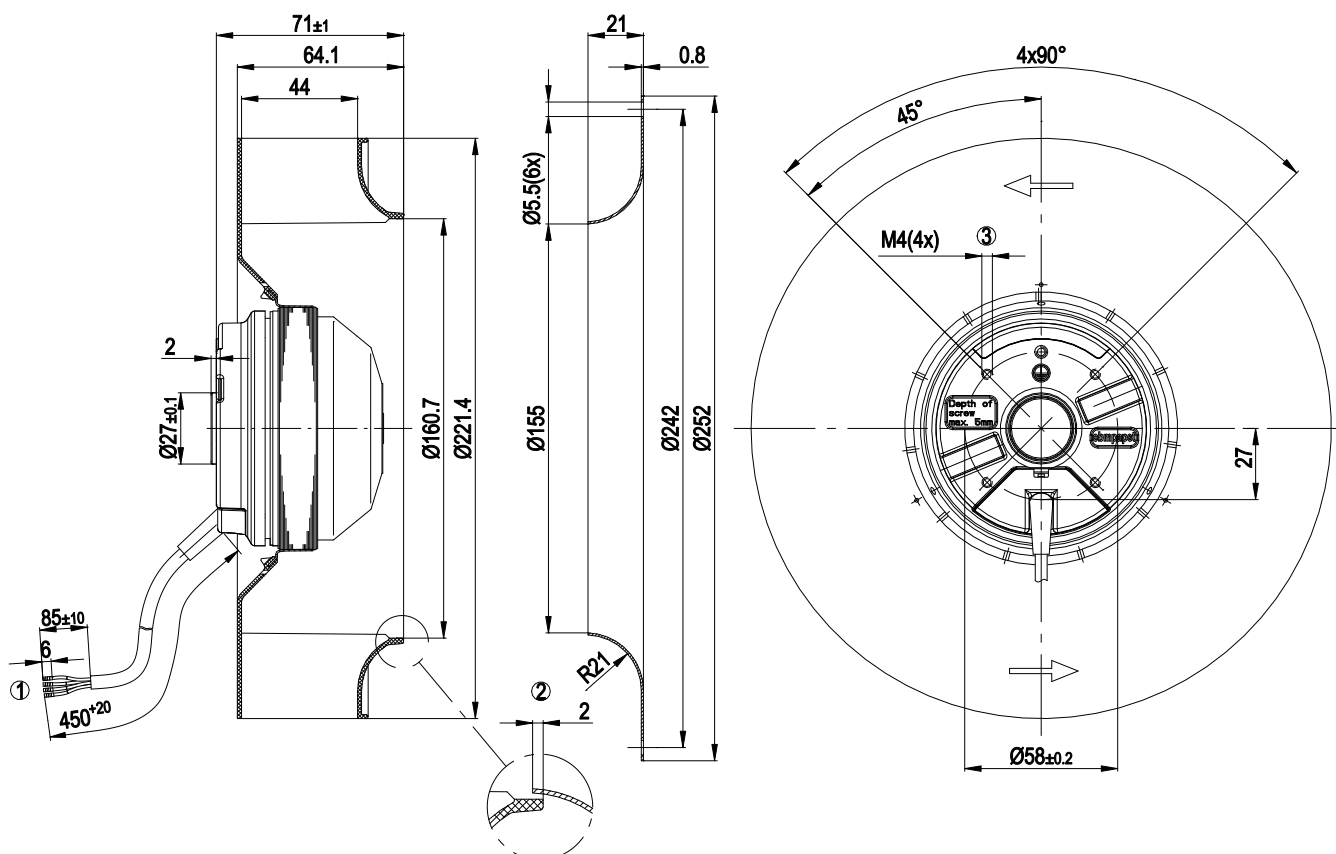
Weight	1.35 kg
Fan size	220 mm
Rotor surface	Painted black
Impeller material	PA6 plastic, glass-fiber reinforced
Number of blades	11
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
Moisture (F) / Environmental (H) 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	Any
Condensation drainage holes	None
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)
Conformity with standards	EN 60335-1; CE
Approval	CCC; CSA C22.2 No. 100; UL 1004-1

R2E220-AA40-80

AC centrifugal fan

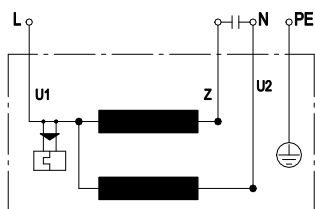
backward-curved, single-intake

Product drawing



- | | |
|---|--|
| 1 | Cable PFA AWG20, 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

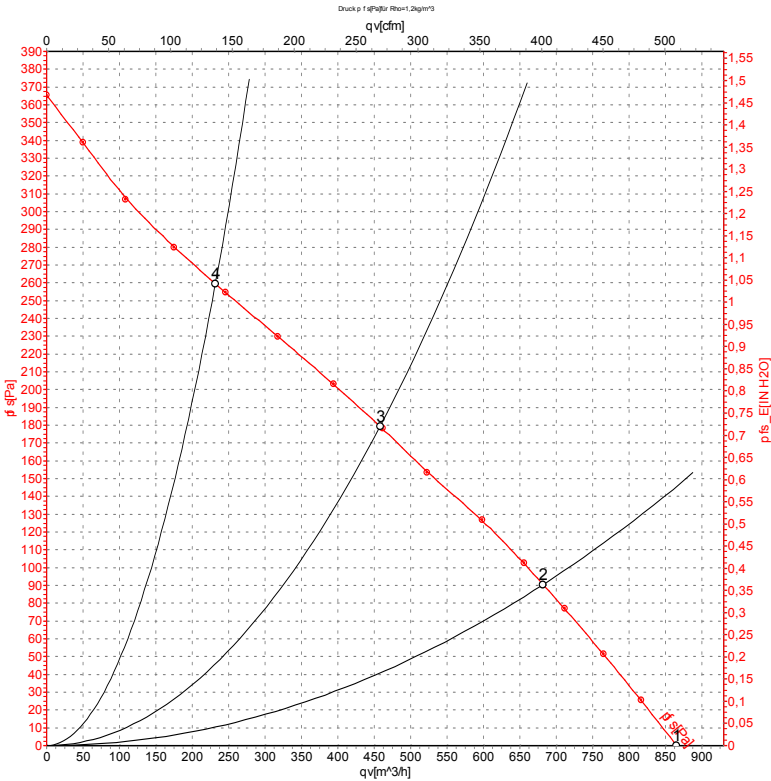


U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E220-AA40-80

AC centrifugal fan
backward-curved, single-intake

Curves: Air performance 50 Hz



Measurement: LU-106763-1

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	q _V	P _{fs}	q _V	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	inH2O
1	230	50	2405	85	0.38	865	0	510	0.00
2	230	50	2260	91	0.39	680	90	400	0.36
3	230	50	2155	94	0.41	460	180	270	0.72
4	230	50	2245	91	0.40	230	260	135	1.04

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_V = Air flow · P_{fs} = Pressure increase

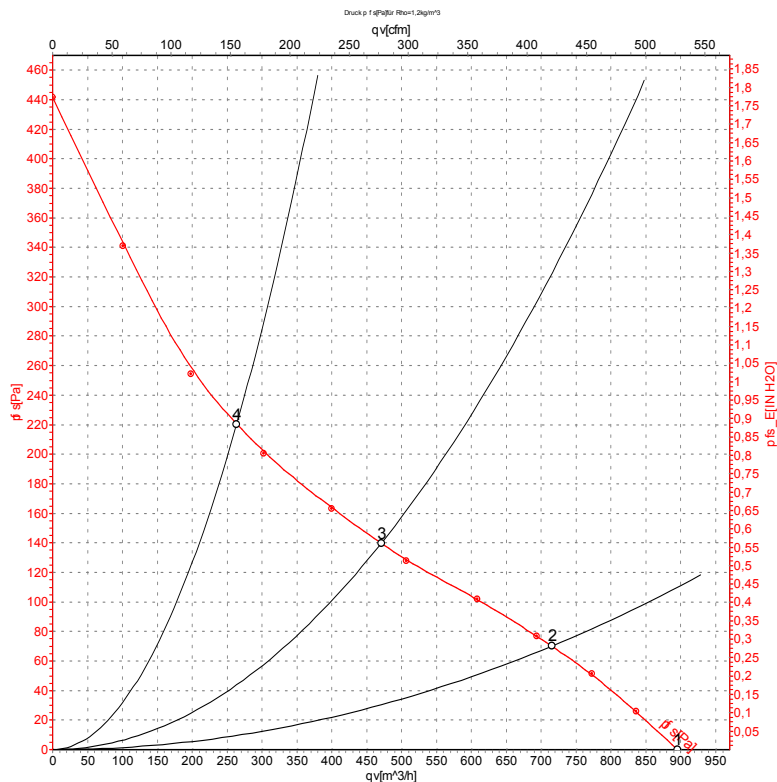


R2E220-AA40-80

AC centrifugal fan

backward-curved, single-intake

Curves: Air performance 60 Hz



Measurement: LU-106764-1

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	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	inH ₂ O
1	230	60	2490	84	0.37	895	0	525	0.00
2	230	60	2265	90	0.39	715	70	420	0.28
3	230	60	2020	94	0.41	470	140	275	0.56
4	230	60	2100	93	0.40	265	220	155	0.88

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