

KARTA KATALOGOWA

R2D220-AB02-10

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

Producent: ebm-papst

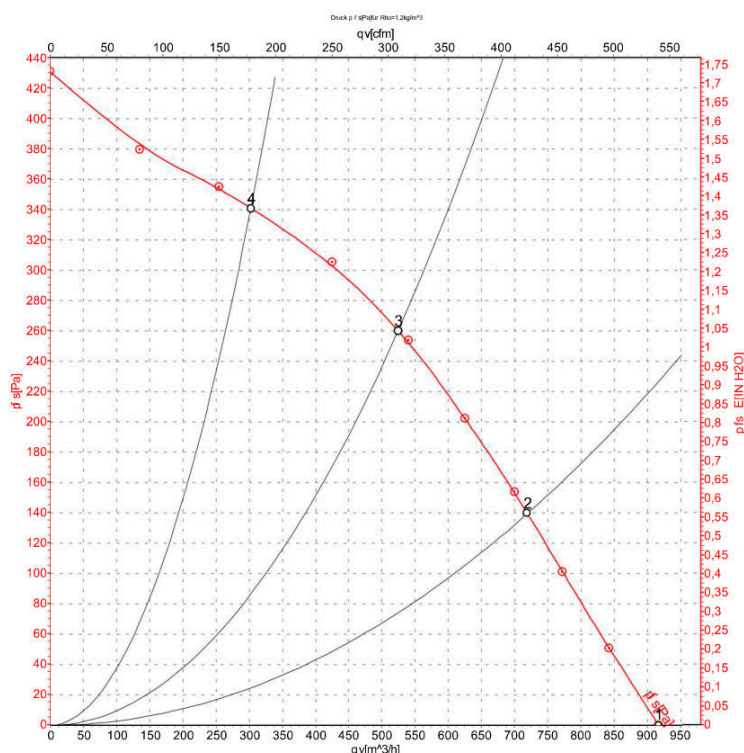


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	3~ 380 / 440 V	Średnica wirnika	220 mm
Częstotliwość	50/60 Hz	Materiał wirnika	tworzywo
Prędkość obrotowa	2800 / 3250 obr/min	Liczba łopatek	11
Pobór mocy	75 / 110 W	Stopień ochrony	IP44
Pobór prądu	0,18 / 0,2 A	Klasa izolacji	B
Maks. wydajność	915 m³/h	Masa	2 kg
Maks. ciśnienie statyczne	340 Pa		
Maks. temp. otoczenia	+50 °C		

Charakterystyka przepływowa

Charts: Air flow 50 Hz



Measurement: LU-7969

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

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

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R2D220-AB02-10

AC centrifugal fan

backward curved

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Nominal data

Type	R2D220-AB02-10		
Motor	M2D068-DF		
Phase		3~	3~
Nominal voltage	VAC	380	440
Connection		Y	Y
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2800	3250
Power input	W	75	110
Current draw	A	0.18	0.20
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	50	50

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



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backward curved

Technical features

Mass	2 kg
Size	220 mm
Surface of rotor	Coated in black
Material of impeller	Plastic PA6, fibreglass-reinforced
Number of blades	11
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity class	F2-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1, motor does not have factory-installed overheating protection
Approval	CCC

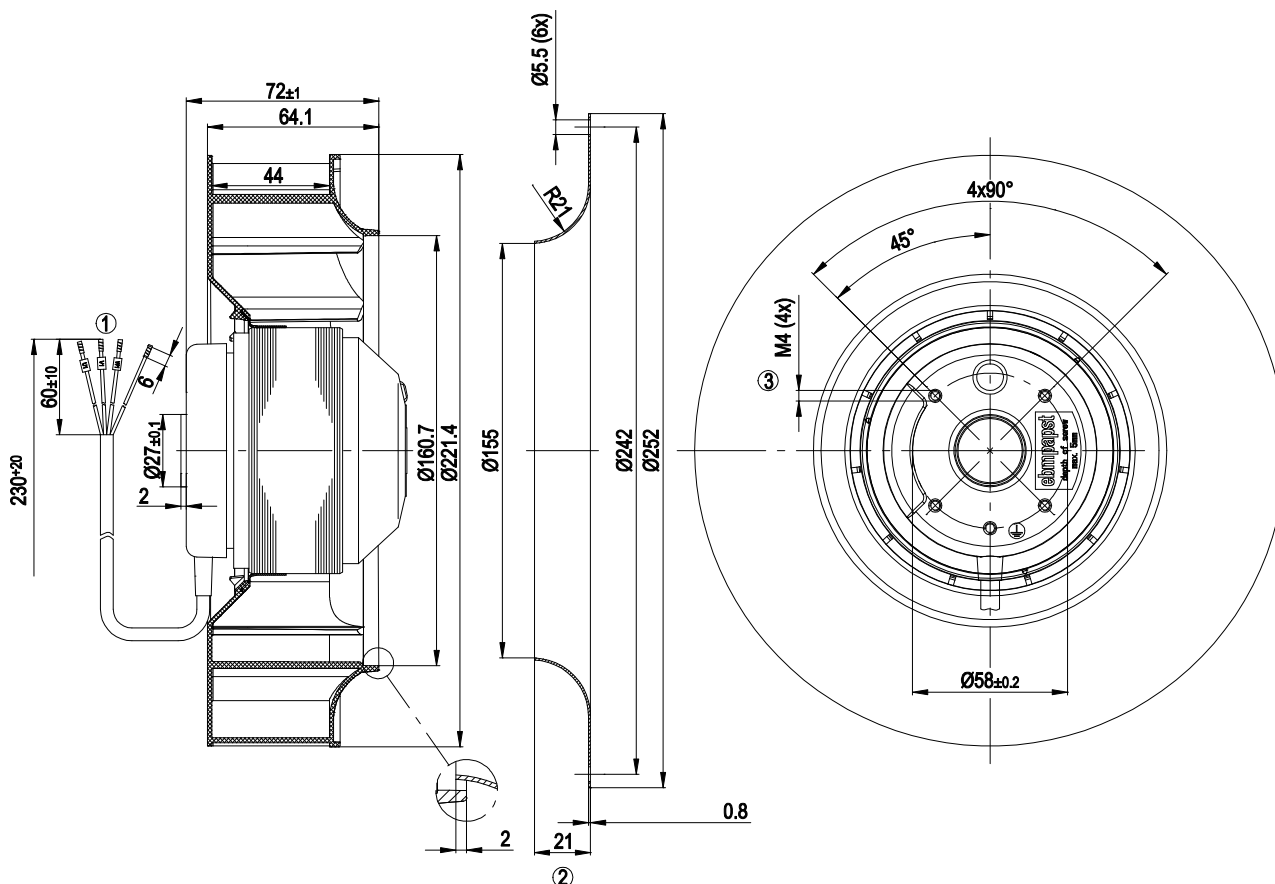


R2D220-AB02-10

AC centrifugal fan

backward curved

Product drawing



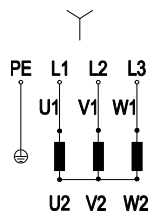
- | | |
|---|---|
| 1 | Connection line silicone 4G 0.5 mm ² , 4 x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 09609-2-4013, not included in the standard scope of delivery |
| 3 | Depth of screw max. 5 mm |

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Connection screen

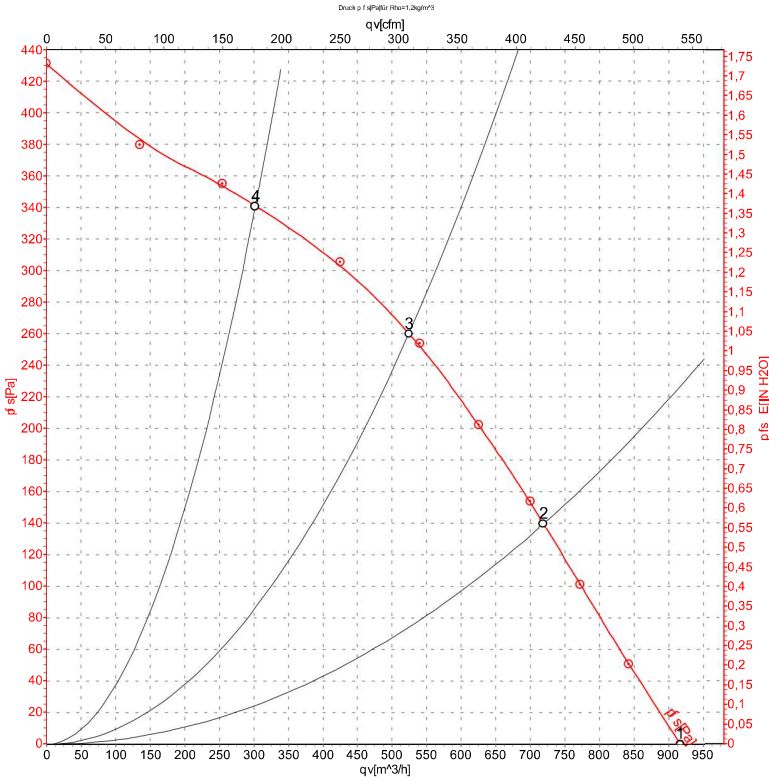


Y	Star connection	L1	black	L2	blue
L3	brown	PE	green/yellow		

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Charts: Air flow 50 Hz



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Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	380	50	2800	75	0.18	915	0
2	380	50	2710	84	0.20	720	140
3	380	50	2665	95	0.21	525	260
4	380	50	2710	85	0.20	300	340

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

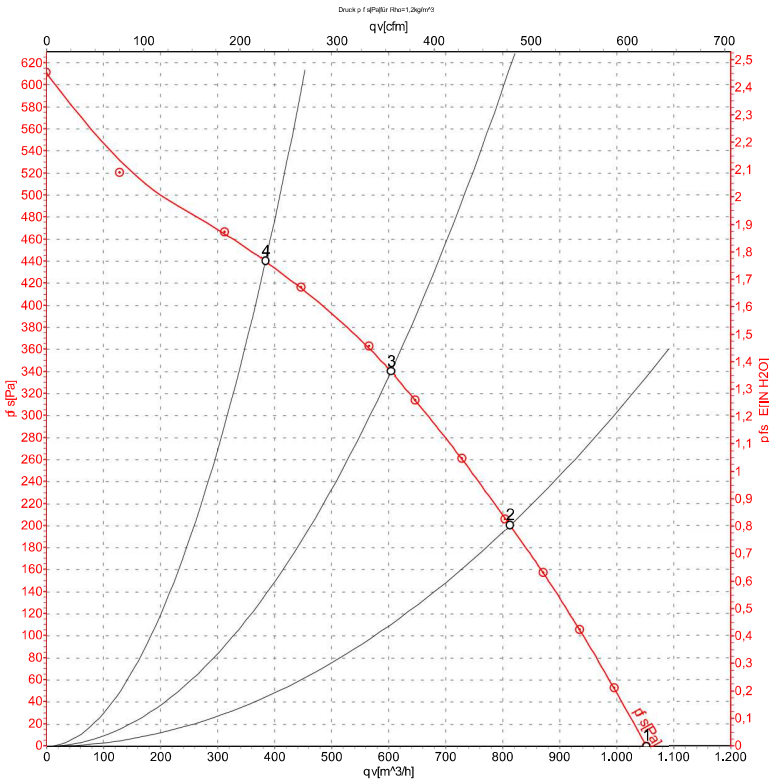


R2D220-AB02-10

AC centrifugal fan

backward curved

Charts: Air flow 60 Hz



Measurement: LU-7972

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{WA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	440	60	3250	110	0.20	1050	0
2	440	60	3150	130	0.23	815	200
3	440	60	3080	145	0.25	605	340
4	440	60	3120	135	0.24	385	440

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_s = Pressure increase

