

KARTA KATALOGOWA

R2E120-AR77-05

Wentylator promieniowy AC, łopatki zakrzywione do przodu, jednostronnie ssący

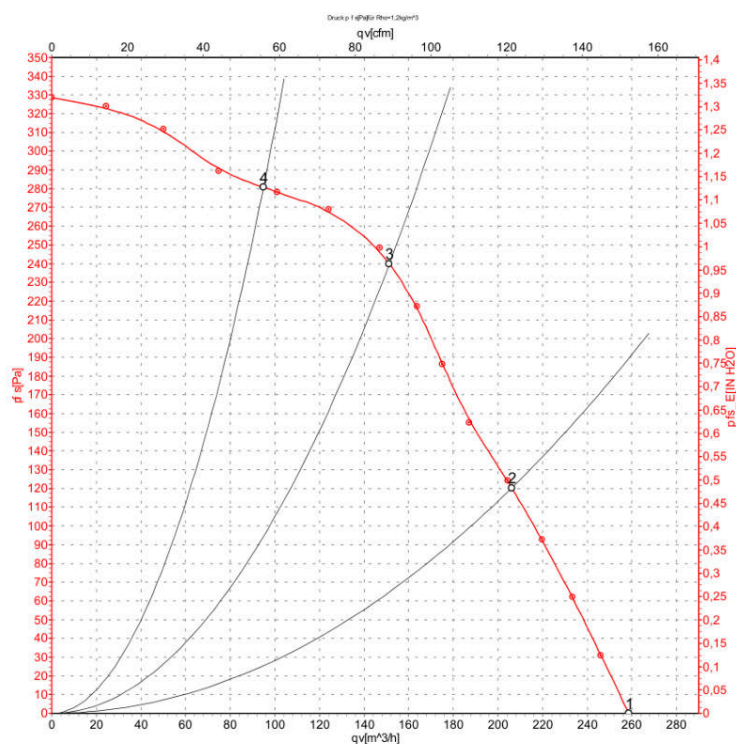
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	120 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-BF
Prędkość obrotowa	2350 / 2450 obr/min	Materiał wirnika	blacha stalowa ocynkowana ogniowo
Pobór mocy	80 / 100 W	Kierunek obrotów	w prawo, patrząc na wirnik
Pobór prądu	0,35 / 0,44 A	Stopień ochrony	IP44
Kondensator	2 µF / 450 V	Klasa izolacji	B
Maks. wydajność	260 m³/h	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. ciśnienie statyczne	325 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	maks. 55 / 60 °C	Masa	1,2 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-104578

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 okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).
Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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R2E120-AR77-05

AC centrifugal fan
forward curved, single inlet



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Nominal data

Type	R2E120-AR77-05		
Motor	M2E068-BF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2350	2450
Power input	W	80	100
Current draw	A	0.35	0.44
Motor capacitor	µF	2	2
Capacitor voltage	VDB	450	450
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	55	60

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



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Technical features

Mass	1.2 kg
Size	120 mm
Material of impeller	Sheet steel, hot-galvanised
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44
Insulation class	"B"
Humidity class	F0
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	CE
Approval	GOST; CCC

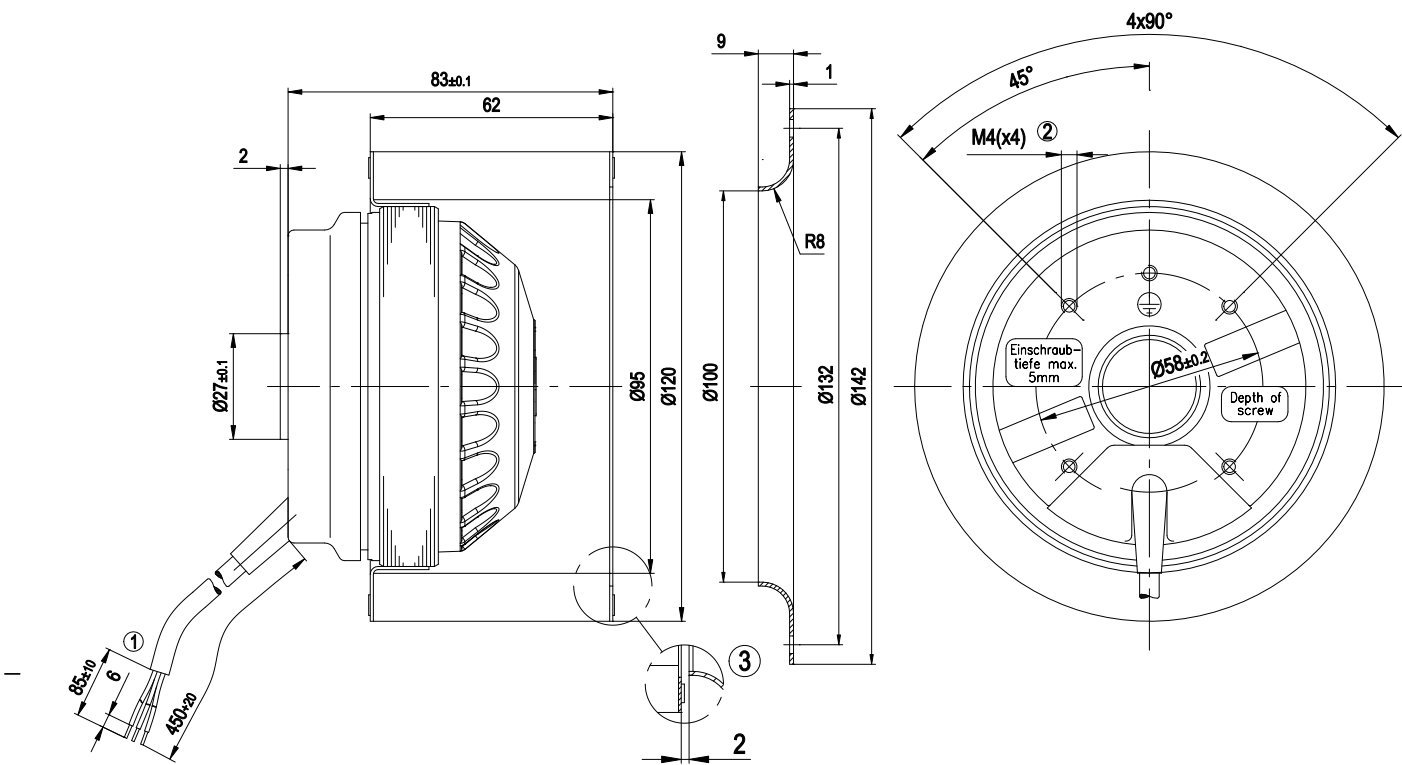


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AC centrifugal fan

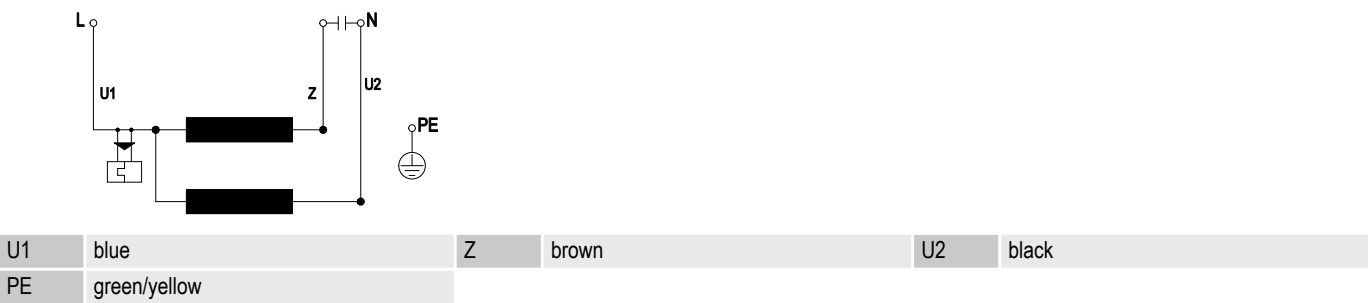
forward curved, single inlet

Product drawing



1	Connection line PVC 4G 0.5 mm², 4x brass lead tips crimped
2	Depth of screw max. 5 mm
3	Accessory part: Inlet nozzle 09569-2-4013, not included in the standard scope of delivery

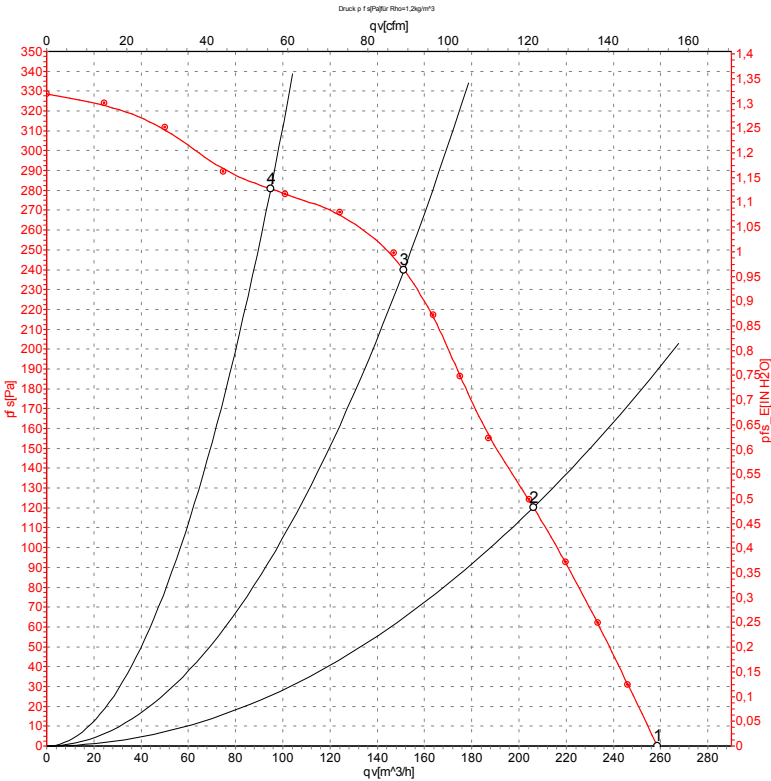
Connection screen



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Charts: Air flow 50 Hz



Measurement: LU-104578

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Installation category A. For detailed
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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.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	2350	80	0.35	260	0
2	230	50	2510	73	0.33	205	120
3	230	50	2640	69	0.32	150	240
4	230	50	2740	66	0.31	95	280

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

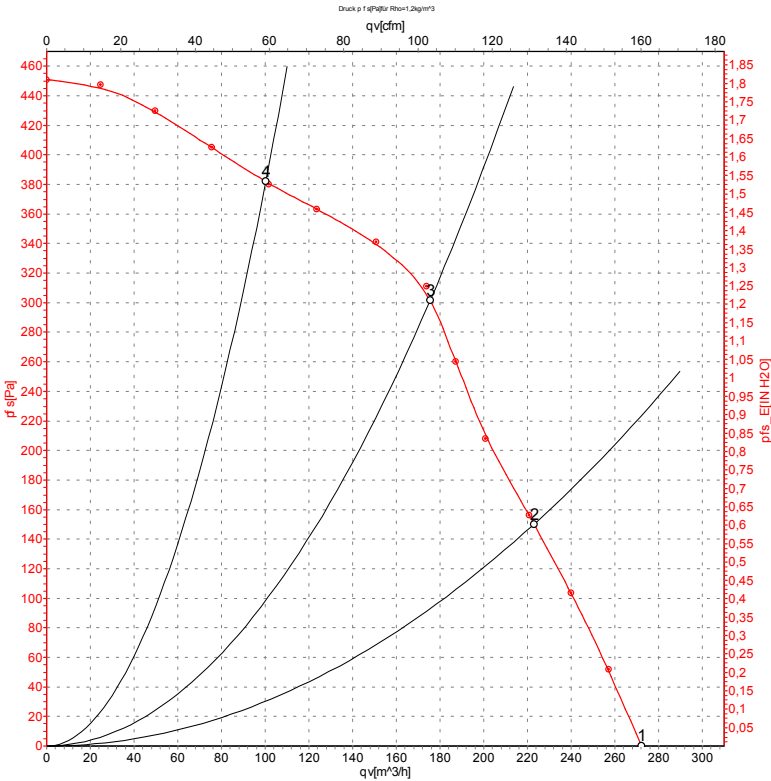


R2E120-AR77-05

AC centrifugal fan

forward curved, single inlet

Charts: Air flow 60 Hz



Measurement: LU-104581

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.

Measured values

	U	f	n	P _e	I	qv	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	2450	100	0.44	270	0
2	230	60	2770	92	0.40	225	150
3	230	60	2950	86	0.37	175	300
4	230	60	3180	77	0.34	100	380

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

