

KARTA KATALOGOWA

R2E120-AR87-37

Wentylator promieniowy AC, łopatki zakrzywione do przodu, jednostronnie ssący

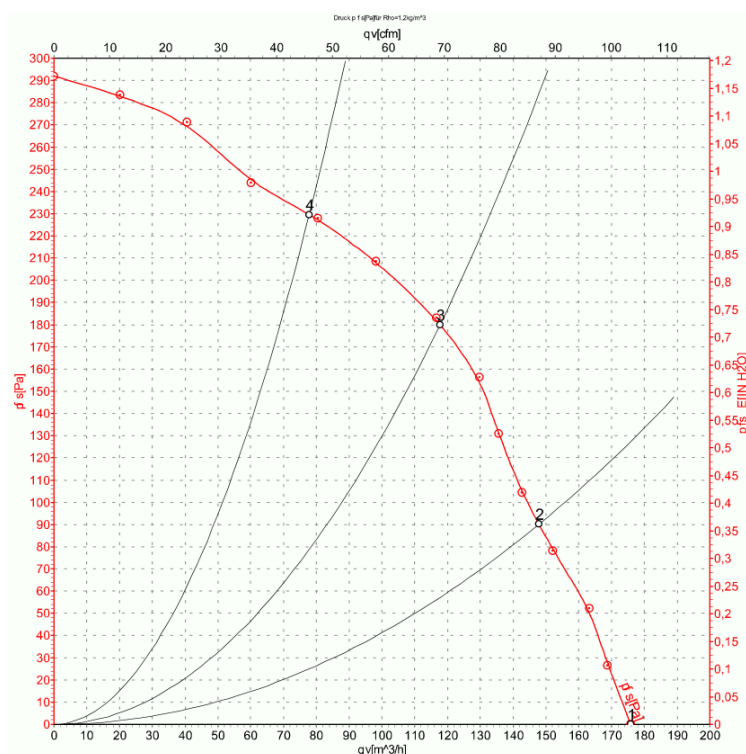
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Średnica wirnika	120 mm
Częstotliwość	50/60 Hz	Materiał wirnika	stal ocynkowana
Prędkość obrotowa	1650 / 1600 obr/min	Stopień ochrony	IP44
Pobór mocy	34 / 39 W	Klasa izolacji	B
Pobór prądu	0,15 / 0,18 A	Zabezpieczenie silnika	termik (TOP)
Kondensator	1 µF / 400 V	Masa	1,2 kg
Maks. wydajność	175 m³/h		
Maks. ciśnienie statyczne	230 Pa		
Maks. temp. otoczenia	+90 °C (50 Hz) / +85 °C (60 Hz)		

Charakterystyka przepływowa

Charts: Air flow 50 Hz



Measurement: LU-75305

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.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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R2E120-AR87-37

AC centrifugal fan

forward curved


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Nominal data

Type	R2E120-AR87-37		
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	1650	1600
Power input	W	34	39
Current draw	A	0.15	0.18
Motor capacitor	µF	1	1
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	90	85

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



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forward curved

Technical features

Mass	1.2 kg
Size	120 mm
Surface of rotor	Uncoated
Material of impeller	Sheet steel, hot-galvanised
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
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	EN 60335-1; CE

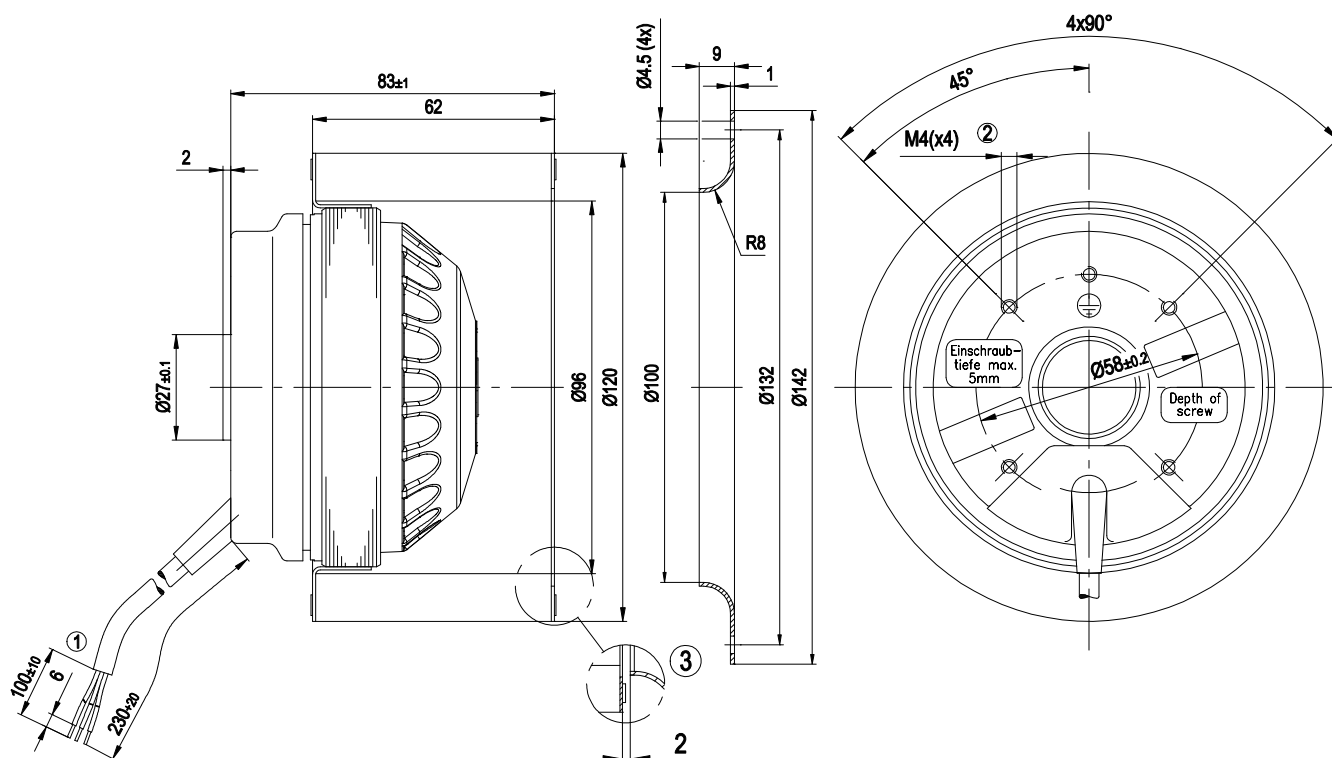


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AC centrifugal fan

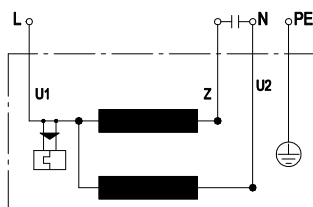
forward curved

Product drawing



- | | |
|---|---|
| 1 | Connection line PVC 4G 0.5 mm ² , 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



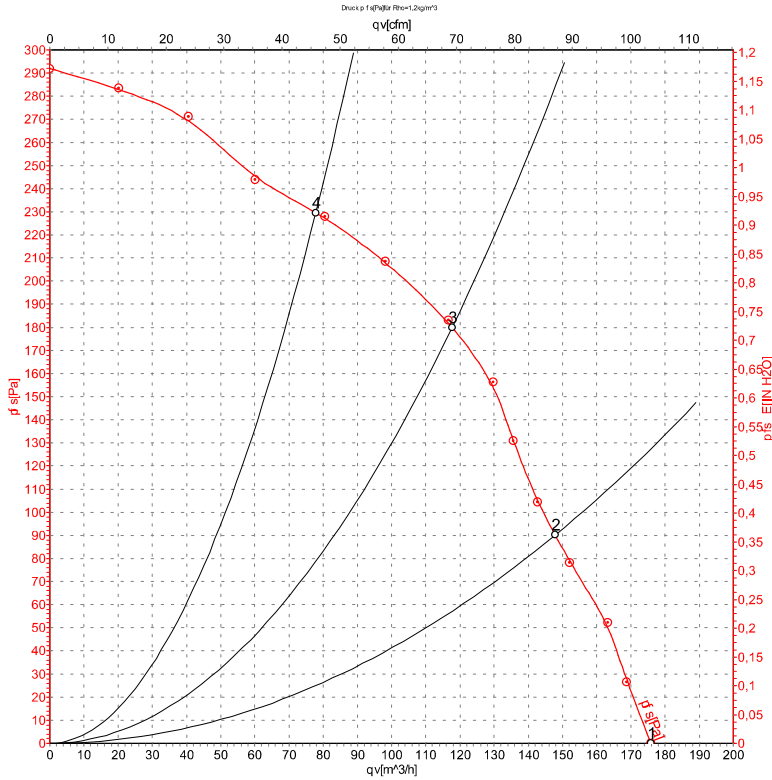
U1	blue	Z	brown	U2	black
PE	green/yellow				

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forward curved

Charts: Air flow 50 Hz



Measurement: LU-75305

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Measured values

	U	f	n	Pe	I	qv	ps
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	1650	34	0.15	175	0
2	230	50	1985	31	0.14	150	90
3	230	50	2250	28	0.13	120	180
4	230	50	2470	25	0.11	80	230

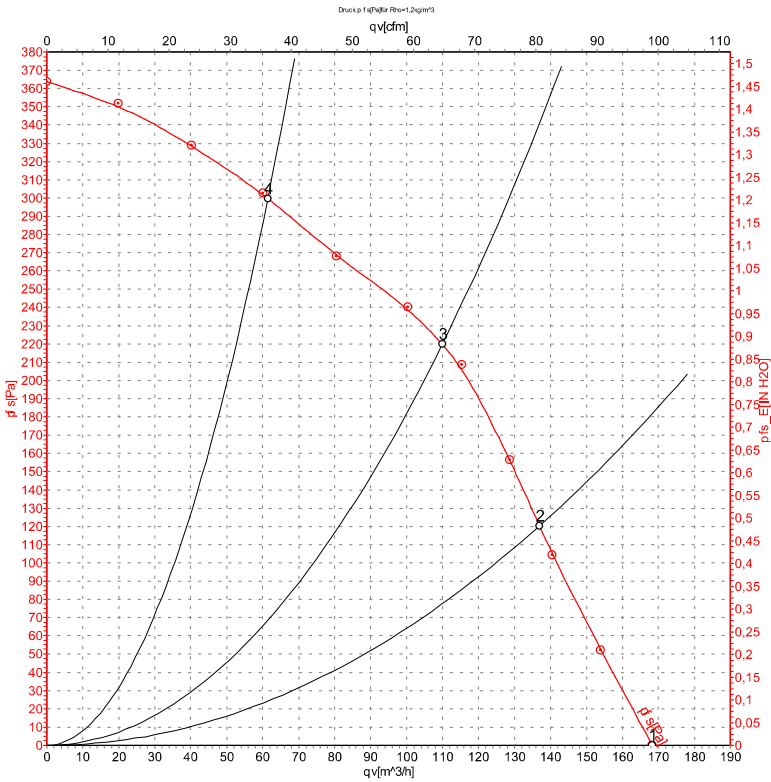
U = Supply voltage · f = Frequency · n = Speed · Pe = Power input · I = Current draw · qv = Air flow · ps = Pressure increase



R2E120-AR87-37

AC centrifugal fan
forward curved

Charts: Air flow 60 Hz



Measurement: LU-75306

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	m ³ /h	Pa
1	230	60	1600	39	0.18	170	0
2	230	60	2060	37	0.17	135	120
3	230	60	2435	35	0.16	110	220
4	230	60	2750	32	0.15	60	300

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

