

KARTA KATALOGOWA

R2E140-AS77-37

Wentylator promieniowy AC, łopatki zakrzywione do przodu, jednostronnie ssący

Producent: ebm-papst

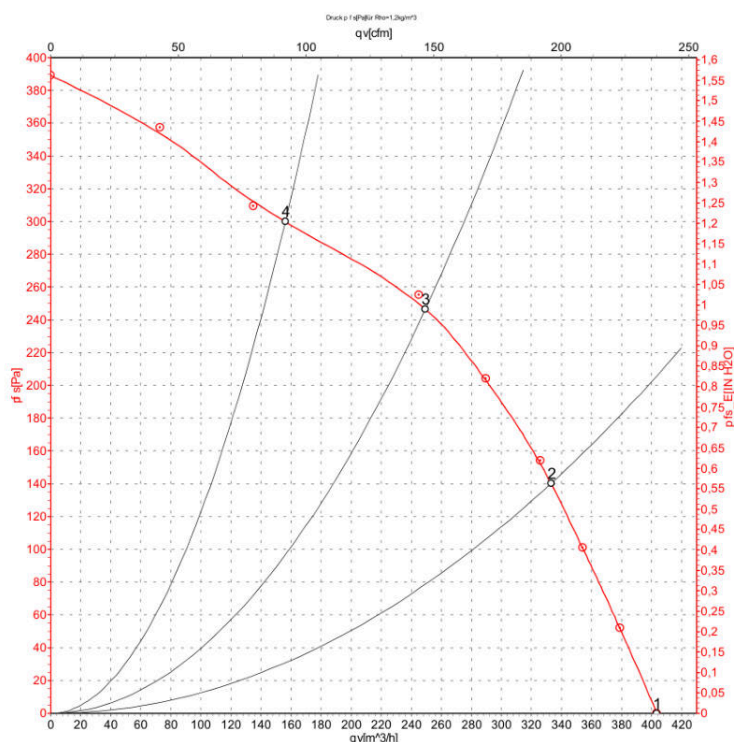


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	140 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-BF
Prędkość obrotowa	1500 / 1400 obr/min	Materiał wirnika	tworzywo PP
Pobór mocy	100 / 110 W	Kierunek obrotów	w prawo, patrząc na wirnik
Pobór prądu	0,45 / 0,48 A	Stopień ochrony	IP44
Kondensator	2 µF / 450 V	Klasa izolacji	B
Maks. wydajność	405 m³/h	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. ciśnienie statyczne	380 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	min. -25 °C; maks. 40 / 30 °C	Masa	1,2 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-4523

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.

Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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R2E140-AS77-37

AC centrifugal fan

forward curved, single inlet

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Nominal data

Type	R2E140-AS77-37		
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	1500	1400
Power input	W	100	110
Current draw	A	0.45	0.48
Motor capacitor	µF	2	2
Capacitor voltage	VDB	450	450
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	40	30

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



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AC centrifugal fan
forward curved, single inlet

Technical features

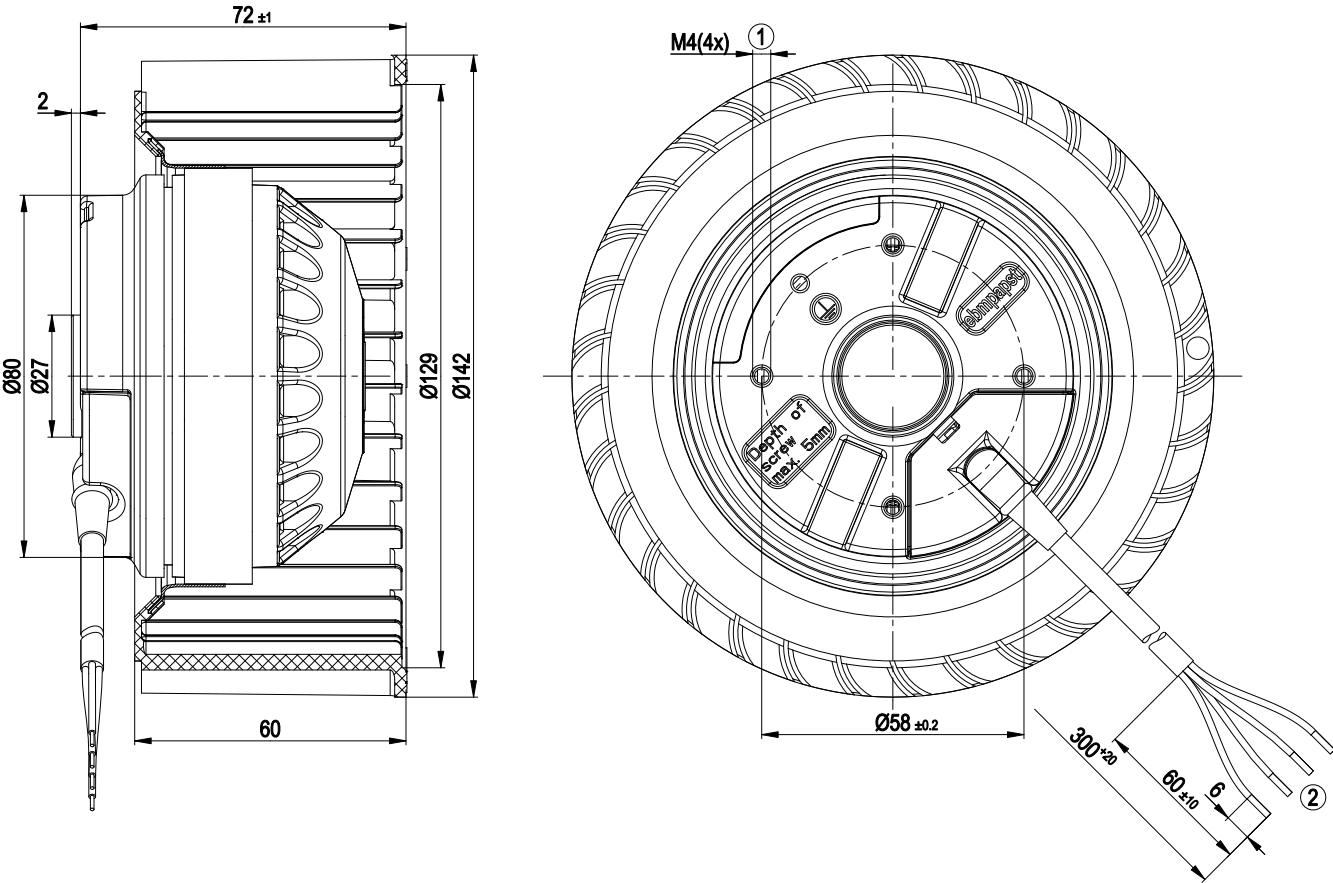
Mass	1.2 kg
Size	140 mm
Material of impeller	PP plastic
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F0
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor 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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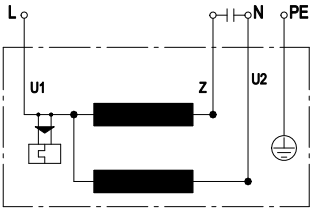
AC centrifugal fan
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Product drawing



1	Depth of screw max. 5 mm
2	Connection line PVC 4G 0.5 mm ² , 4x brass lead tips crimped

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

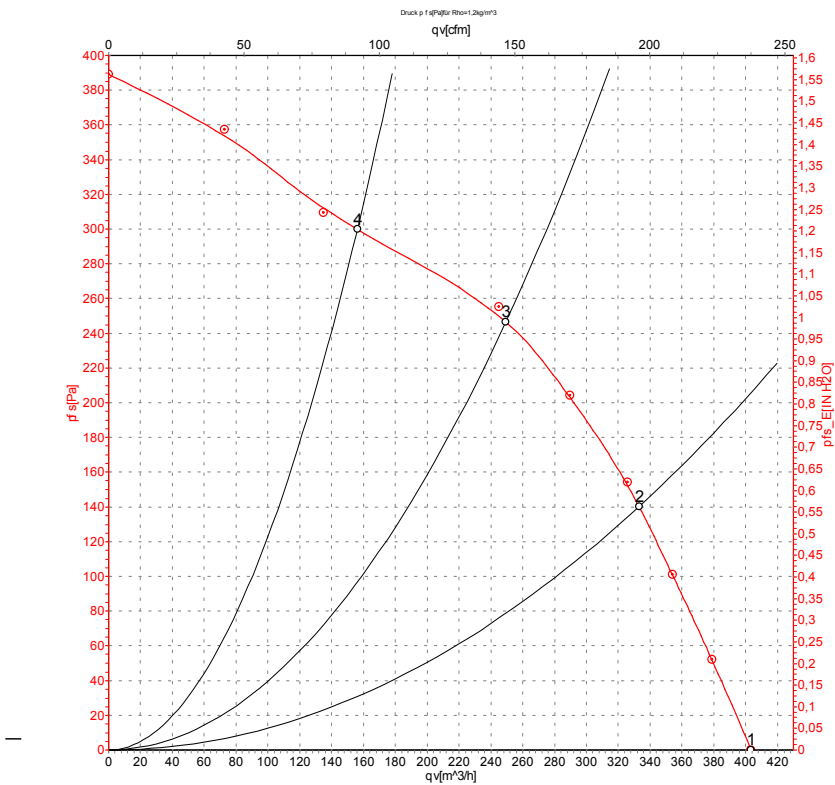


R2E140-AS77-37

AC centrifugal fan

forward curved, single inlet

Charts: Air flow 50 Hz



Measurement: LU-4523

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	50	1500	100	0.45	405	0
2	230	50	1880	94	0.41	335	140
3	230	50	2175	86	0.38	250	250
4	230	50	2410	78	0.35	155	300

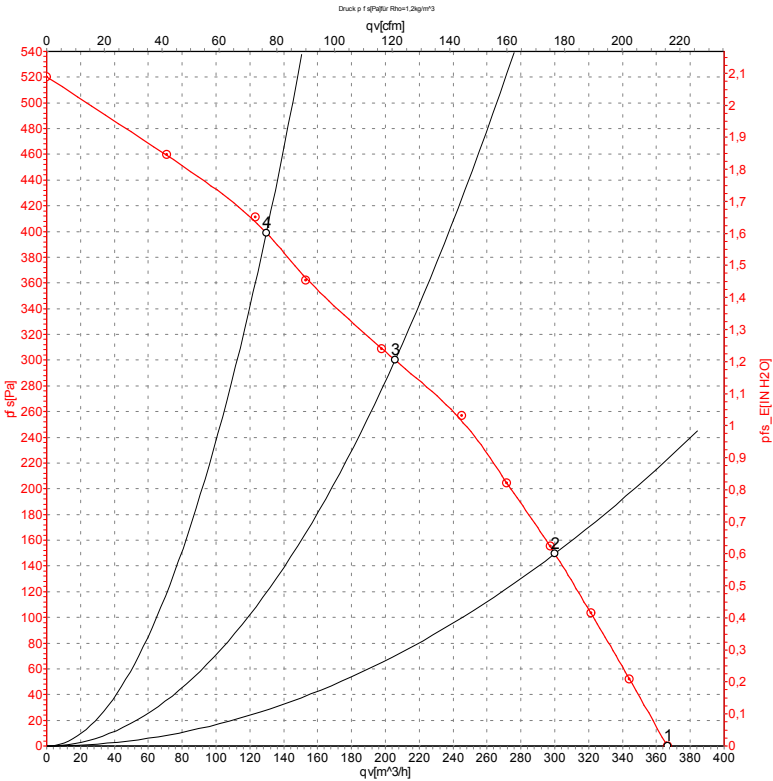
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · P_{fs} = Pressure increase



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AC centrifugal fan
forward curved, single inlet

Charts: Air flow 60 Hz



Measurement: LU-4526

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	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	1400	110	0.48	365	0
2	230	60	1840	108	0.47	300	150
3	230	60	2420	101	0.44	205	300
4	230	60	2755	94	0.41	130	400

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

