

KARTA KATALOGOWA

R2E140-AE77-C3

Wentylator promieniowy AC, łopatki zakrzywione do przodu, jednostronnie ssący

Producent: ebm-papst



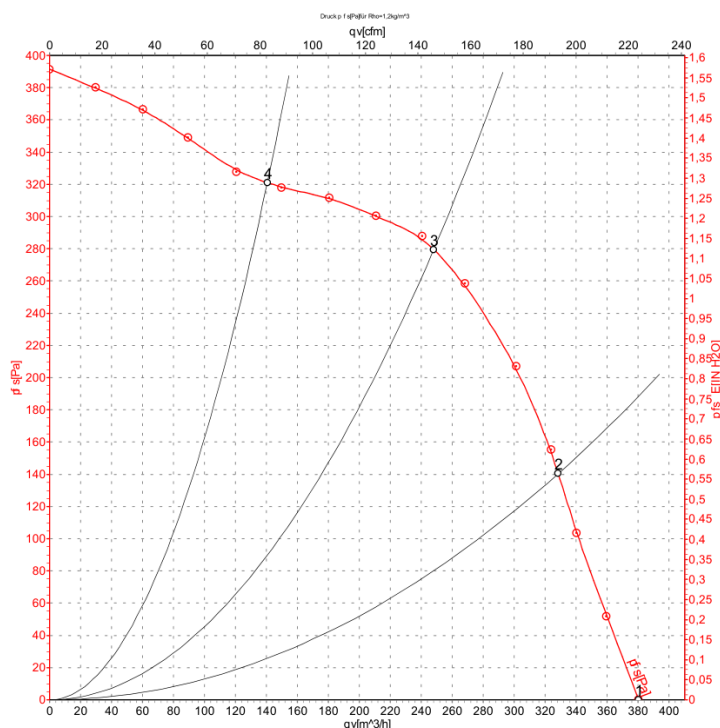
Zdjęcie poglądowe

Dane znamionowe	
Napięcie znamionowe	1~ 230 V
Częstotliwość	50/60 Hz
Prędkość obrotowa	1400 / 1500 obr/min
Pobór mocy	105 / 115 W
Pobór prądu	0,46 / 0,51 A
Kondensator	2 µF / 450 V
Maks. wydajność	380 m³/h
Maks. ciśnienie statyczne	320 Pa
Maks. temp. otoczenia	+40 °C (50 Hz) / +35 °C (60 Hz)

Budowa	
Średnica wirnika	140 mm
Materiał wirnika	stal ocynkowana
Stopień ochrony	IP44
Klasa izolacji	B
Zabezpieczenie silnika	termik (TOP)
Masa	1,2 kg

Charakterystyka przepływowa

Charts: Air flow 50 Hz



Measurement: LU-79019

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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R2E140-AE77-C3

AC centrifugal fan

forward curved, single inlet

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Nominal data

Type	R2E140-AE77-C3		
Motor	M2E068-BF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	ml
Valid for approval / standard		CE	CE
Speed	min ⁻¹	1400	1500
Power input	W	105	115
Current draw	A	0.46	0.51
Motor capacitor	µF	2	2
Capacitor voltage	VDB	450	450
Min. back pressure	Pa	0	50
Max. ambient temperature	°C	40	35
Starting current	A	0.47	0.48

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

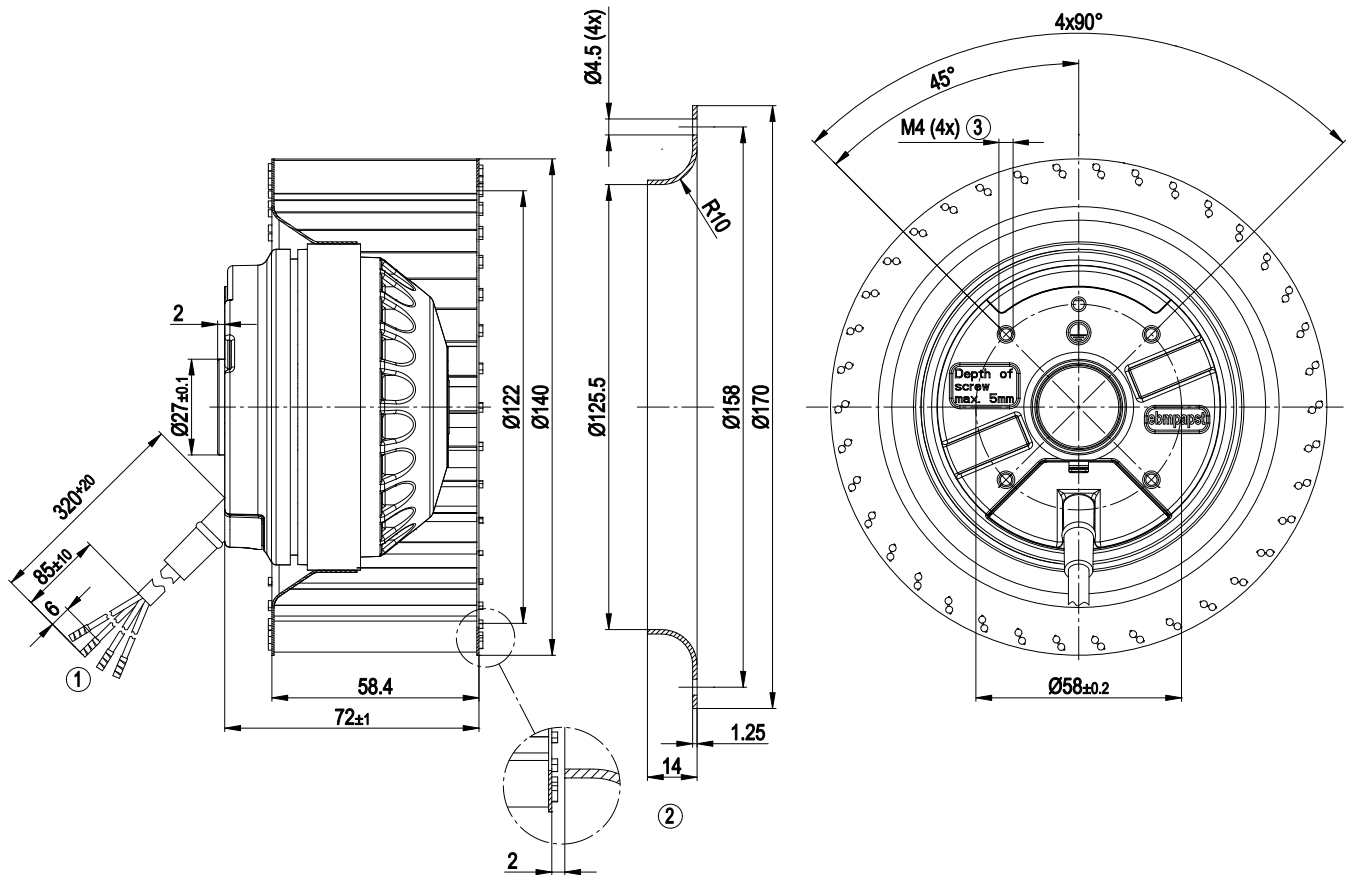
Mass	1.2 kg
Size	140 mm
Surface of rotor	Partially cast in aluminium
Material of impeller	Sheet steel, hot-galvanised
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F0
Max. permissible ambient motor temp. (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

R2E140-AE77-C3

AC centrifugal fan

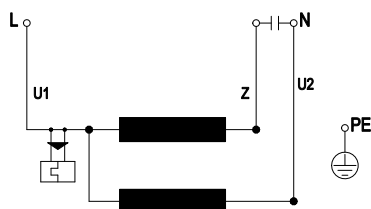
forward curved, single inlet

Product drawing



- | | |
|---|---|
| 1 | Connection line PVC 4G 0.5 mm ² , 4 x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 09576-2-4013, not included in the standard scope of delivery |
| 3 | Depth of screw max. 5 mm |

Connection screen



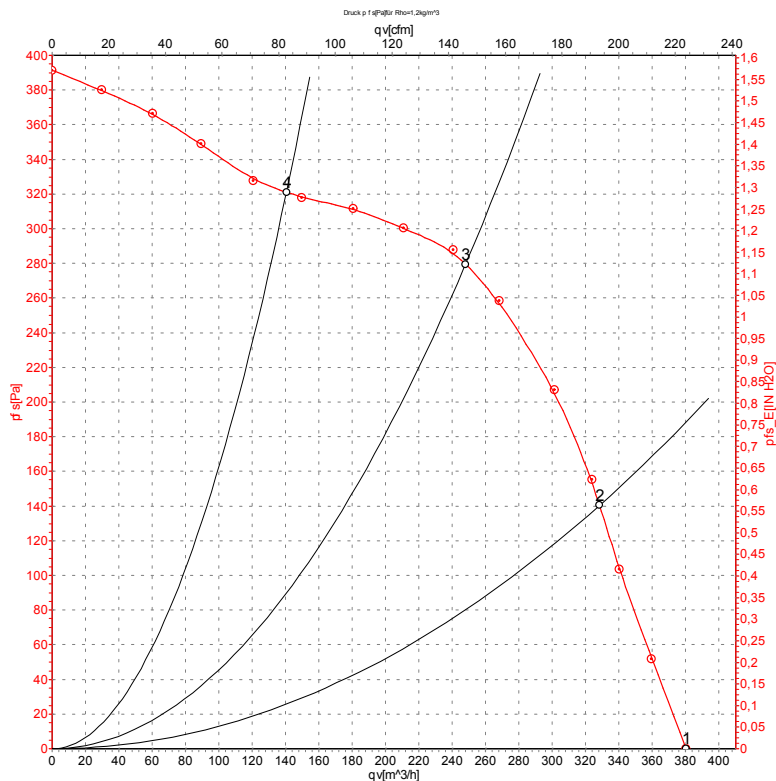
U1	blue	Z	brown	U2	black
PE	green/yellow				

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AC centrifugal fan

forward curved, single inlet

Charts: Air flow 50 Hz



Measurement: LU-79019

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

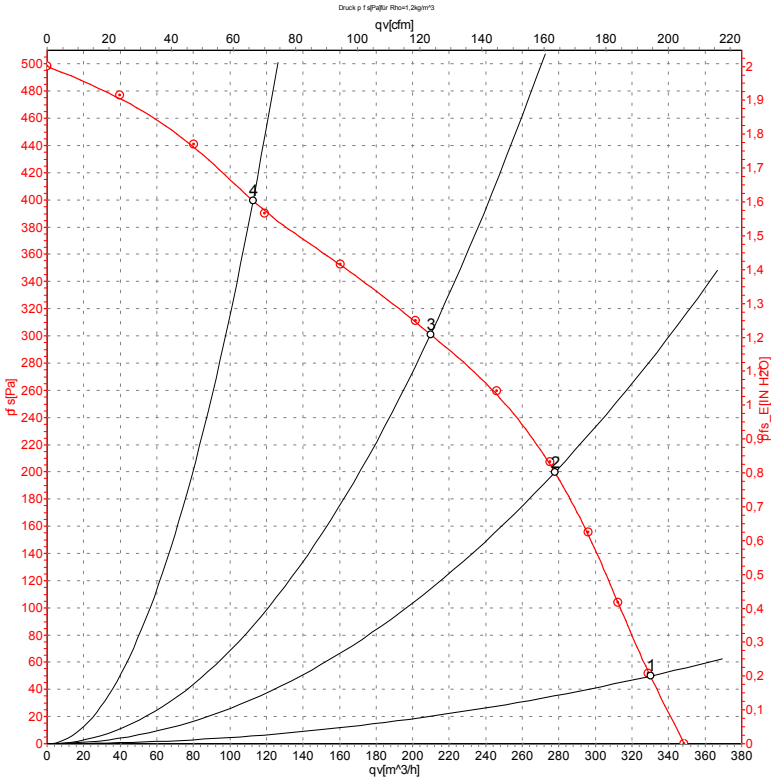
	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	1400	105	0.46	380	0
2	230	50	1760	94	0.41	330	140
3	230	50	2120	85	0.37	250	280
4	230	50	2445	74	0.33	140	320

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

R2E140-AE77-C3

AC centrifugal fan
forward curved, single inlet

Charts: Air flow 60 Hz



Measurement: LU-79020

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	230	60	1500	115	0.51	330	50
2	230	60	1840	106	0.46	280	200
3	230	60	2300	101	0.44	210	300
4	230	60	2740	91	0.40	115	400

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

