

KARTA KATALOGOWA

R2E280-AE52-23

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

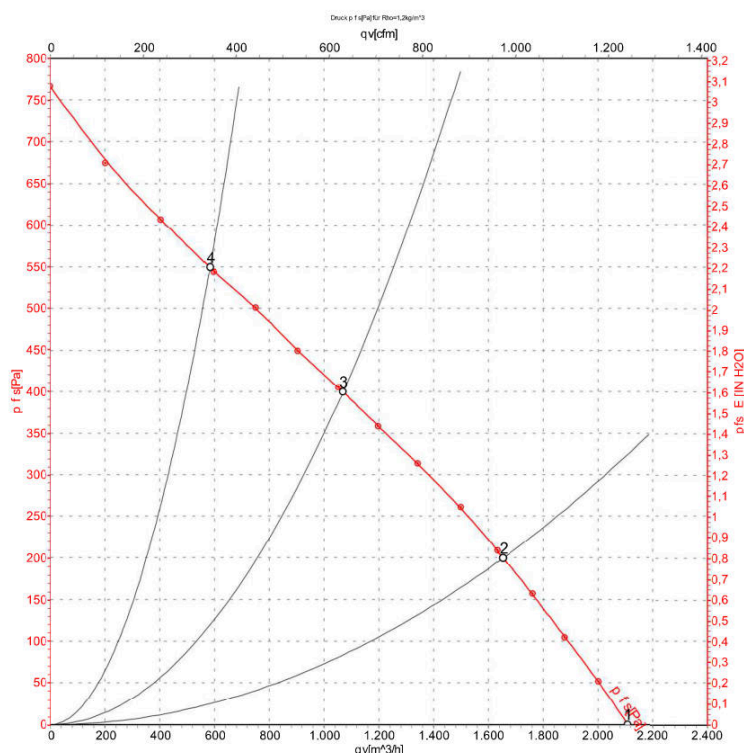
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Średnica wirnika	280 mm
Częstotliwość	50 Hz	Materiał wirnika	stal, malowana na czarno
Prędkość obrotowa	2700 obr/min	Liczba łopatek	11
Pobór mocy	225 W	Stopień ochrony	IP44
Pobór prądu	1 A	Klasa izolacji	F
Maks. wydajność	2110 m³/h	Masa	3,43 kg
Maks. ciśnienie statyczne	550 Pa		
Temperatura otoczenia	-25...+40 °C		

Charakterystyka przepływowa

Curves: Air performance 50 Hz



Measurement: LU-107236-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Dane na podstawie karty producenta ebm-papst (oryginał na kolejnych stronach).

Wartości znamionowe dla punktu maksymalnego obciążenia; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

 tel. +48 600 100 371 · tel. +48 604 959 199
 biuro@luftberg.pl · www.luftberg.pl

R2E280-AE52-23

AC centrifugal fan

backward-curved


ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Limited partnership · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	R2E280-AE52-23	
Motor	M2E068-EC	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Method of obtaining data		fa
Valid for approval/standard		-
Speed (rpm)	min ⁻¹	2700
Power consumption	W	225
Current draw	A	1.0
Capacitor	µF	7
Capacitor voltage	VDB	400
Capacitor standard		S0 (CE)
Min. back pressure	Pa	0
Min. back pressure	in. wg	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	40
Starting current	A	2.5

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



R2E280-AE52-23

AC centrifugal fan

backward-curved

Technical description

Weight	3.43 kg
Size	280 mm
Motor size	68
Rotor surface	Painted black
Impeller material	Sheet steel, painted black
Number of blades	11
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	H1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensation drainage holes	On rotor side
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Temperature limiter manual reset; Temperature limiter manual reset
With cable	Variable
Protection class	I (with customer connection of protective earth)

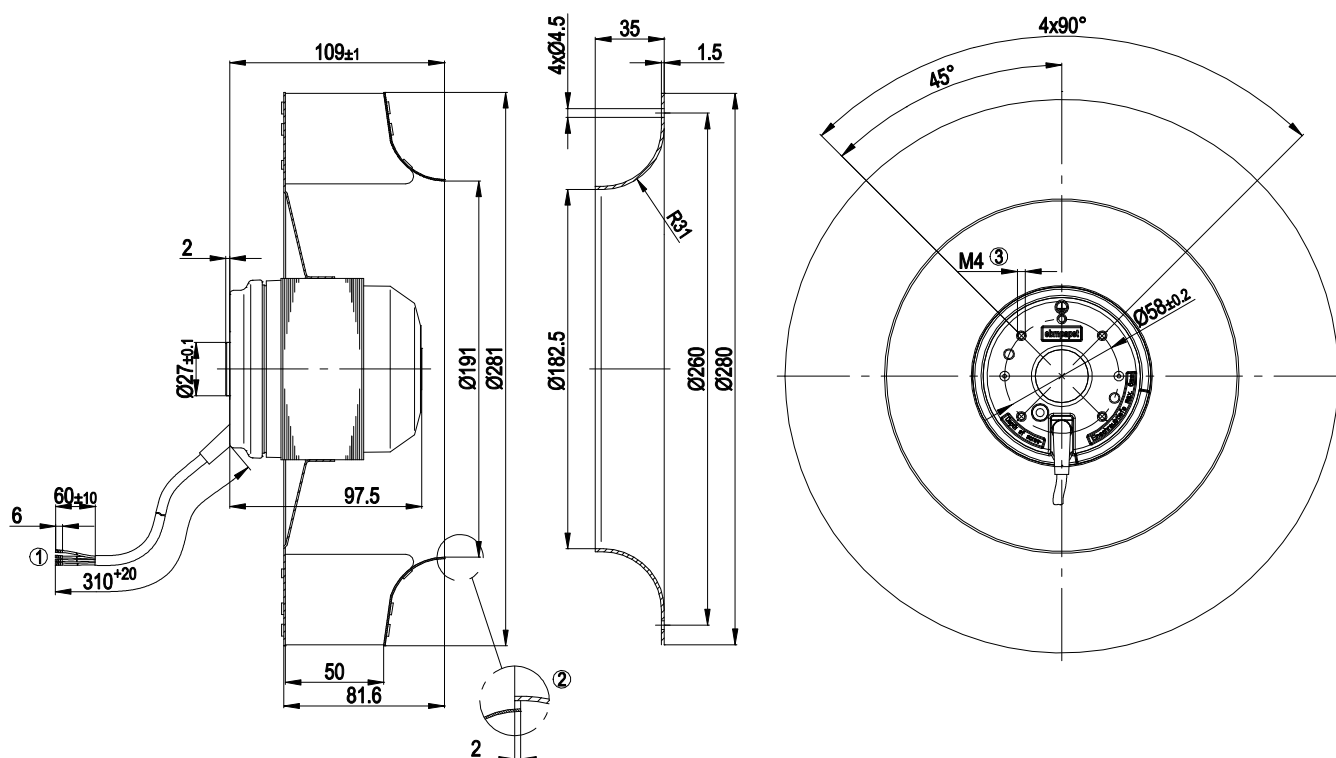


R2E280-AE52-23

AC centrifugal fan

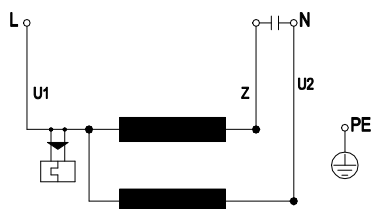
backward-curved

Product drawing



- | | |
|---|---|
| 1 | Cable silicone 4G 0.5 mm ² , 4x crimped splices |
| 2 | Accessory part: inlet ring 96360-2-4013 not included in scope of delivery |
| 3 | Max. clearance for screw 5 mm |

Connection diagram



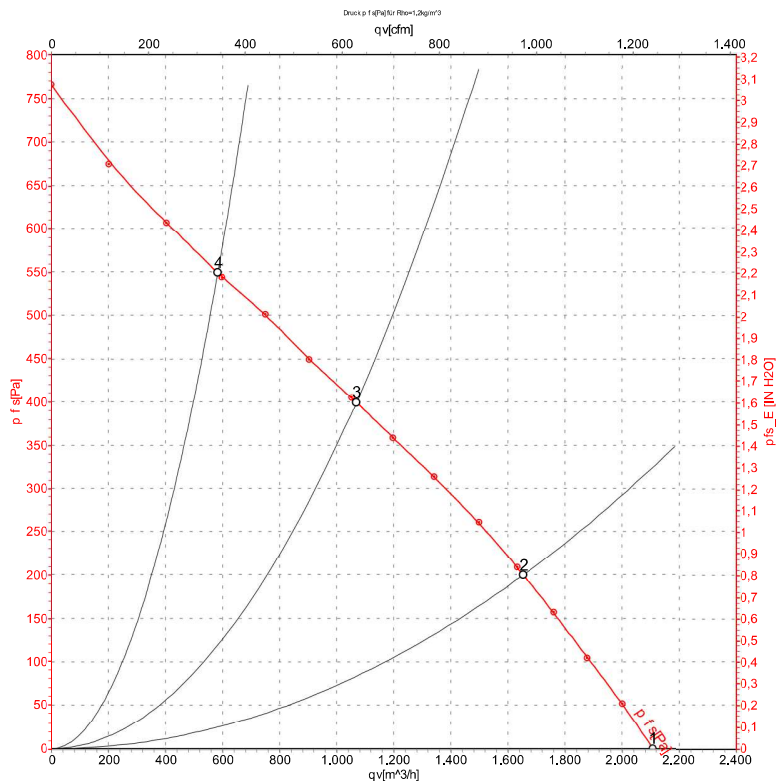
U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E280-AE52-23

AC centrifugal fan

backward-curved

Curves: Air performance 50 Hz



Measurement: LU-107236-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	f	n	P _e	I	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	50	2700	225	1.00	2110	0	1240	0.00
2	230	50	2510	289	1.26	1655	200	975	0.80
3	230	50	2365	324	1.42	1070	400	630	1.61
4	230	50	2490	291	1.27	585	550	345	2.21

U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase

