

R2E280-RB01-01

AC centrifugal fan - RadiCal

back bent shoulder blades

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Co-owner of Elektrobau Mulfingen GmbH · Registered address of Mulfingen

District Court Stuttgart HRB 590142

Ratings

Type	R2E280-RB01-01	
Engine	M2E074-GA	
Phase		1~
Rated voltage VAC		230
Frequency	Hz	50
Determination method data		plural
Complies with regulations	Rotation	-
speed Input power	Current	min-1 2300
consumption Capacitor	µF	In 515
Capacitor voltage VDB	A	2,25
400		12
Min. back pressure Pa	Min. pace. env.	0
environment Max. pace. env.	°C	-25
environment Starting current	°C	40
	A	3,12

mn = Max. load · η = Max. Efficiency sn = Free discharge tk = Customer requirement uk = Customer setting
We reserve the right to make changes



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Technical description

Weight	4,6 kg
Frame size	280 mm
Motor frame Rotor	74
coating Impeller	Painted black
material	Polymer PP
Number of blades	6
Direction of rotation	Right, looking at the rotor
Type of	IP44
protection Degree	Depending on the installation position acc. EN 60034-5
of protection	«F»
Insulation class Moisture protection class (F) / environmental protection class medium (N)	H4
Maximum permissible temp. environment electric motor (trans./ storage)	+ 80 °C
Minimum permissible temp. environment electric motor (trans./ storage)	- 40 °C
Installation position Drain	Horizontal shaft arrangement or rotor at the bottom; rotor on top - on request
holes condensate	Rotor side
Operating mode	S1
Motor support	Ball bearings
Contact current according to IEC 60990 (measuring circuit Fig. 4, TN-system)	< 0,75 mA
Motor protection	Temperature relay (TW) output, isolated from base
Connection cable outlet	Misc.
Motor protection class	I (if the protective conductor is connected by the customer)
Product Compliance standards	EN 60335-1
admission	EAC

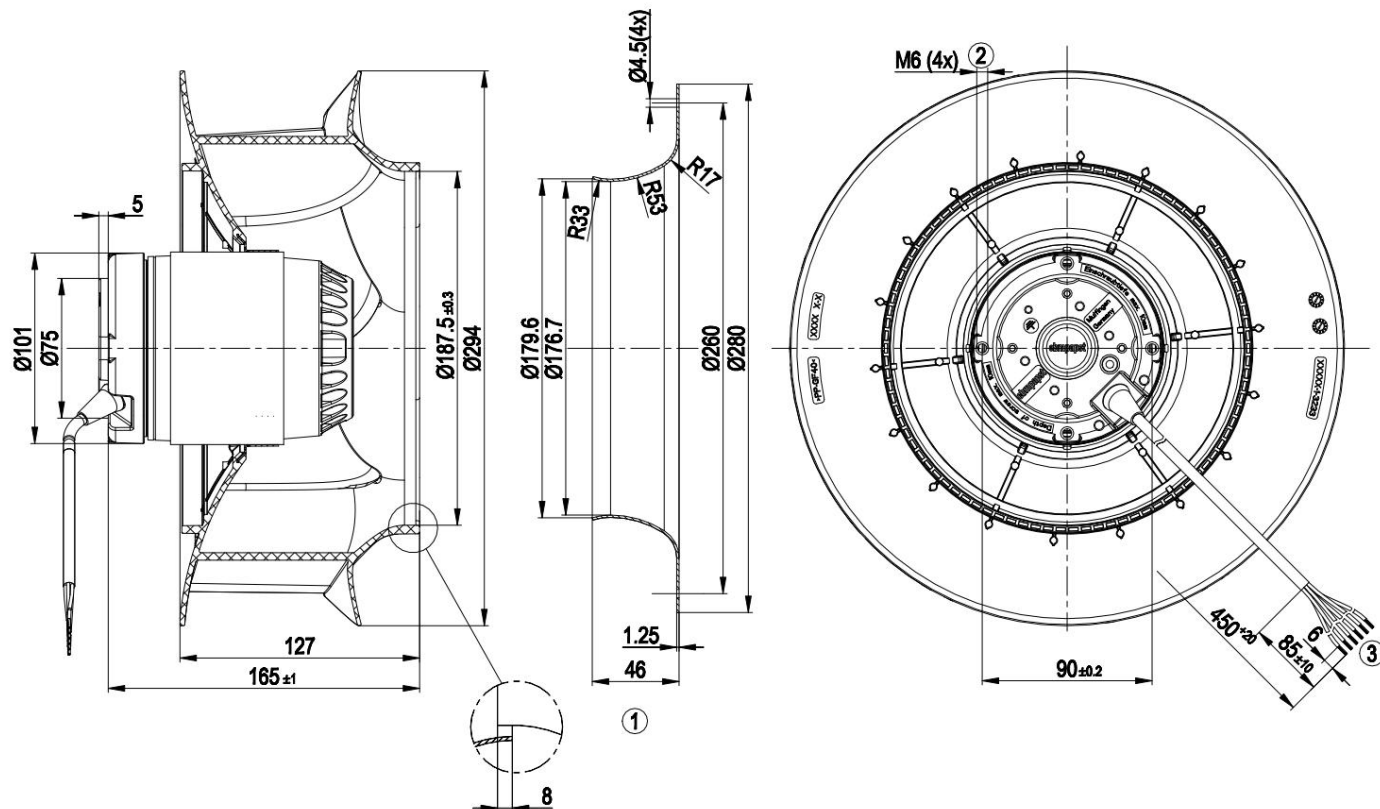


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Product drawing



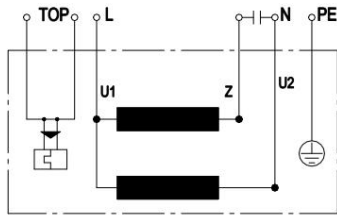
1	Accessory: inlet diffuser 28000-2-4013, not included in delivery
2	Screw-in depth: max. 10 mm
3	Connection cable, silicone, 6G 0.5 mm ² , 6 attached cable lugs

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Connection diagram



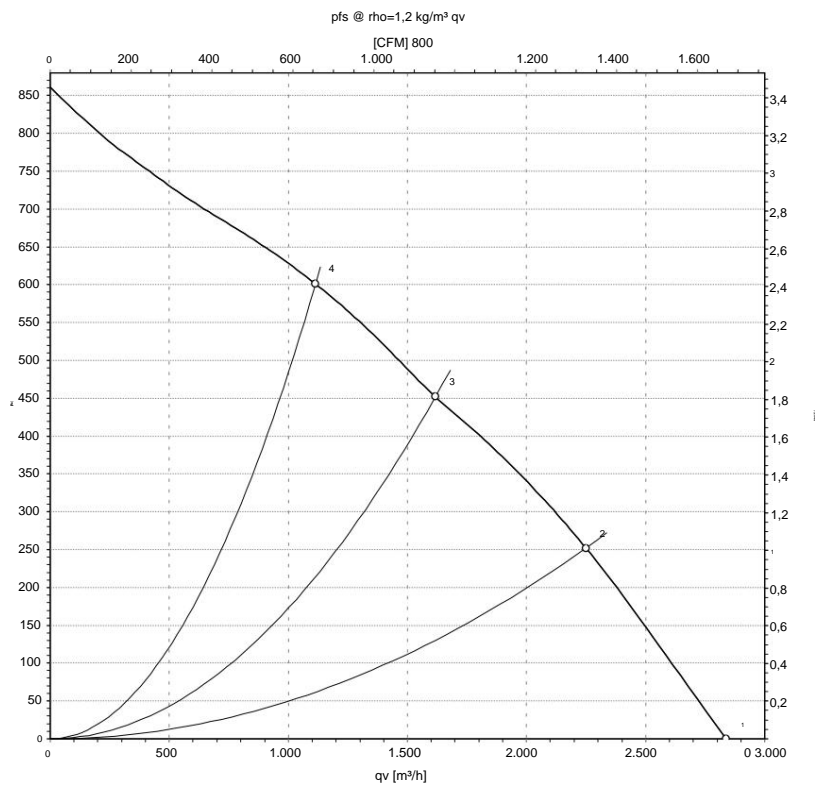
U1	blue	—	brown 2 x	U2	black
ON	green yellow	TOP	gray		

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Characteristics: air performance 50 Hz



Dimension: LU-138289-1

Performance measurements comply with ISO 5801 category A. For detailed clarification of the measurement method, you need to contact ebm-papst specialists. Side sound pressure level

suction: LwA according to ISO 13347 / LpA with a distance of 1 m from the fan axis The data is valid only under the specified measurement conditions and may vary depending on the installation conditions. If you deviate from the standard configuration, you must check all values in the assembled installation.

Measurement data

	IN	f	n	On	i	qV	pfs	qV	pfs
	IN	Hz	min-1	IN	A	m3/h	Pa	cfm	in. wg
1	230	50	2525	440	1,91	2835	0	1670	0,00
2	230	50	2385	494	2,14	2250	250	1325	1,00
3	230	50	2300	515	2,25	1620	450	950	1,81
4	230	50	2415	480	2,08	1115	600	655	2,41

U = Supply voltage f = Frequency n = Rotational speed Pe = Input power I = Current consumption qV = Air flow pfs = Increase pressure

