

AC centrifugal fan

backward curved, single inlet

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Nominal data

Type	R2E280-AF07-09	
Motor	M2E074-GA	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		fa
Valid for approval / standard		CE
Speed	min ⁻¹	2720
Power input	W	420
Current draw	A	1.83
Motor capacitor	µF	16
Capacitor voltage	VDB	400
Capacitor standard		P2 (CE)
Min. back pressure	Pa	0
Max. ambient temperature	°C	40

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

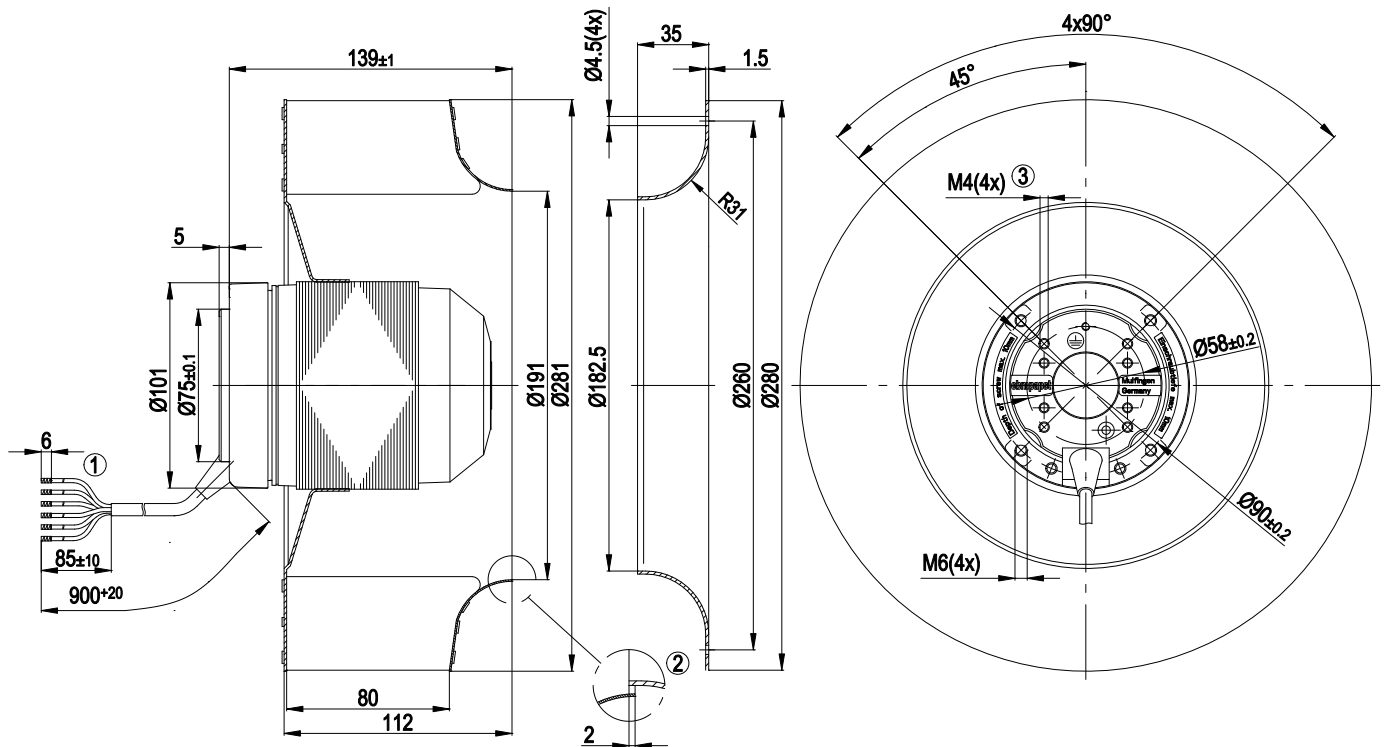
Technical features

Mass	5.4 kg
Size	280 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, hot-galvanised
Number of blades	11
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"F"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Leakage current	< 0.75 mA
Motor protection	Thermal overload protector (TOP) brought out
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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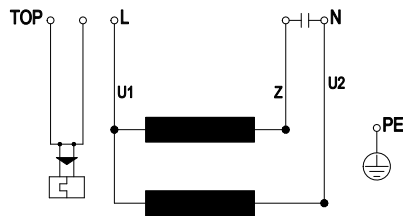
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Product drawing



- | | |
|---|---|
| 1 | Connection line silicone 4 x 0.5 mm ² , 4 x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 96360-2-4013, not included in the standard scope of delivery |
| 3 | Depth of screw max. 6 mm |

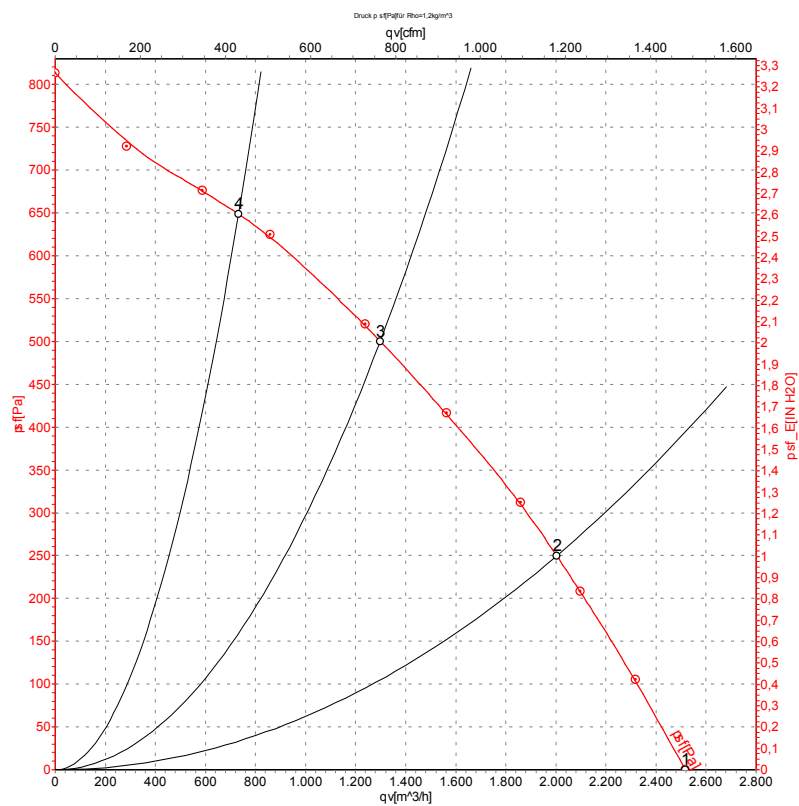
Connection screen



Note: TOP brought out

TOP	2 x grey	U1	blue	Z	brown
U2	black	PE	green / yellow		

Charts: Air flow 50 Hz



Measurement: LU-59158

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	q _v	P _{st}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	2720	420	1.83	2520	0
2	230	50	2625	502	2.18	2005	250
3	230	50	2610	511	2.22	1300	500
4	230	50	2700	435	1.90	730	650