

R2E140-AI31-30

AC centrifugal fan

forward curved, single inlet



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General partner: Elektrobau Mulfingen GmbH · Headquarters Mulfingen

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Nominal data

Type	R2E140-AI31-30		
Motor	M2E068-DF		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	60	60
Type of data definition		fa	fa
Valid for approval / standard		CE	UL 2111
Speed	min ⁻¹	2200	2200
Power input	W	180	195
Current draw	A	1.58	1.64
Motor capacitor	µF	12	12
Capacitor voltage	VDB	250	250
Capacitor standard		P2 (CE)	
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	70	70

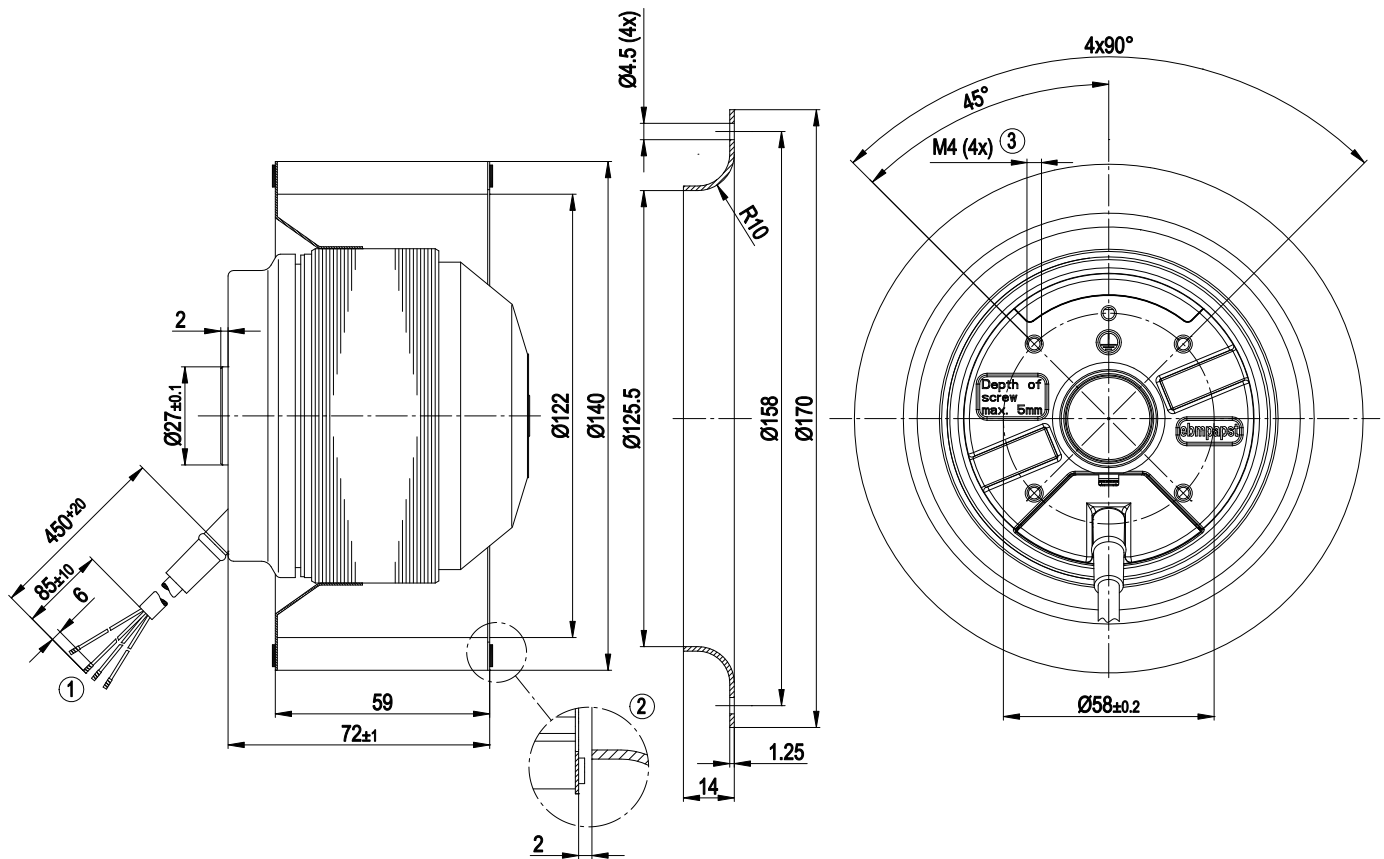
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

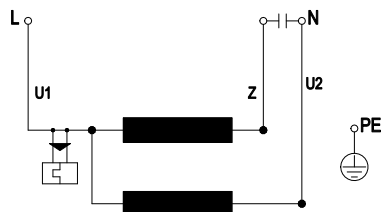
Mass	2.1 kg
Size	140 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, coated in black
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible 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) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CSA C22.2 Nr.77; UL 2111

Product drawing



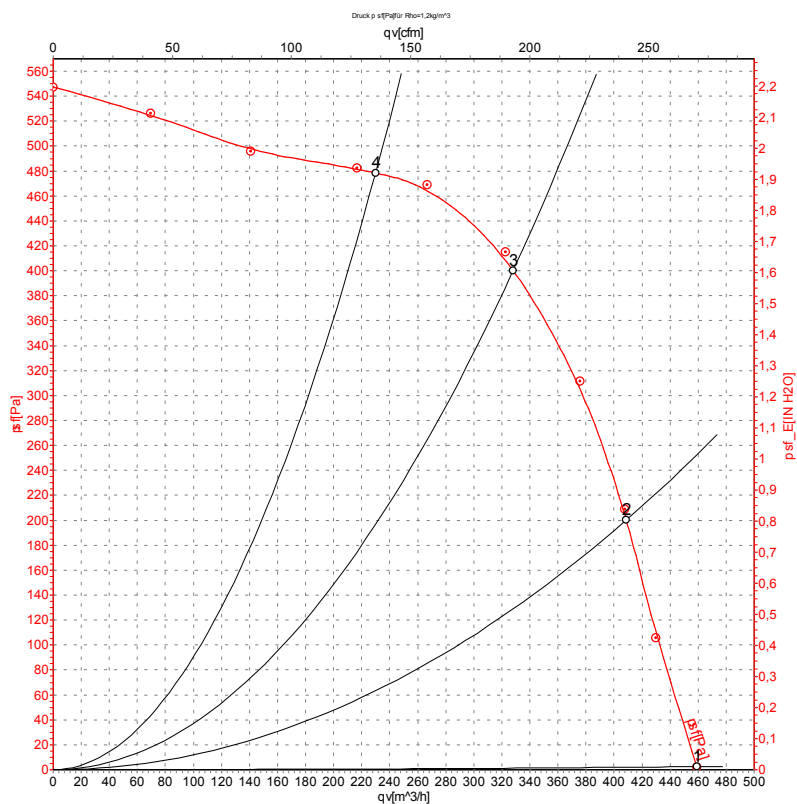
1	Connection line PVC 4G AWG20, 4x brass lead tips crimped
2	Accessory part: Inlet nozzle 09576-2-4013, not included in the standard scope of delivery
3	Depth of screw max. 5 mm

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 60 Hz



Measurement: LU-61879

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 _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	60	2200	180	1.58	460	0
2	115	60	2470	169	1.46	410	200
3	115	60	2805	151	1.31	330	400
4	115	60	3060	131	1.15	230	480