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**Nominal data**

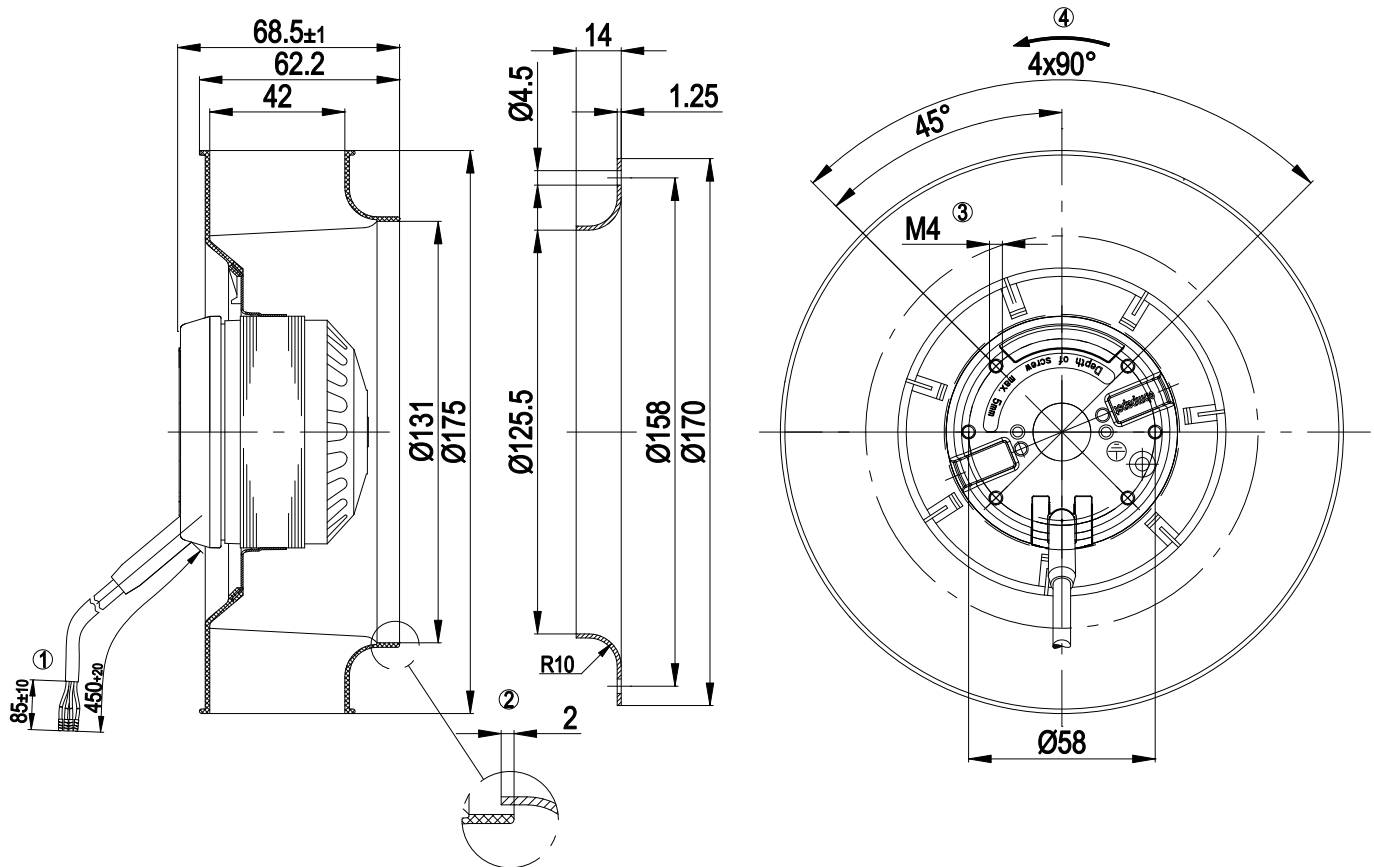
Type	R2E175-AR70-05		
Motor	M2E052-CA		
Phase		1~	1~
Nominal voltage	V	230	230
Frequency	Hz	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	min <sup>-1</sup>	2600	2950
Power input	W	38	44
Current draw	A	0.17	0.20
Motor capacitor	µF	1.5	1.5
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	60	60

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

## Technical features

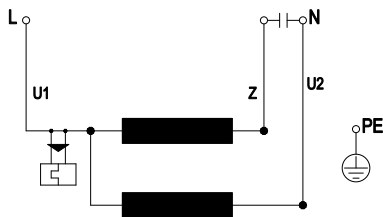
Leakage current	< 0.75 mA
Size	175 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"F"
Cable exit	Variable
Condensate discharge holes	None
Motor bearing	Ball bearing
Material of impeller	Plastic PA66, fibreglass-reinforced
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	7
Type of protection	IP 44; Depending on installation and position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; GOST

## Product drawing



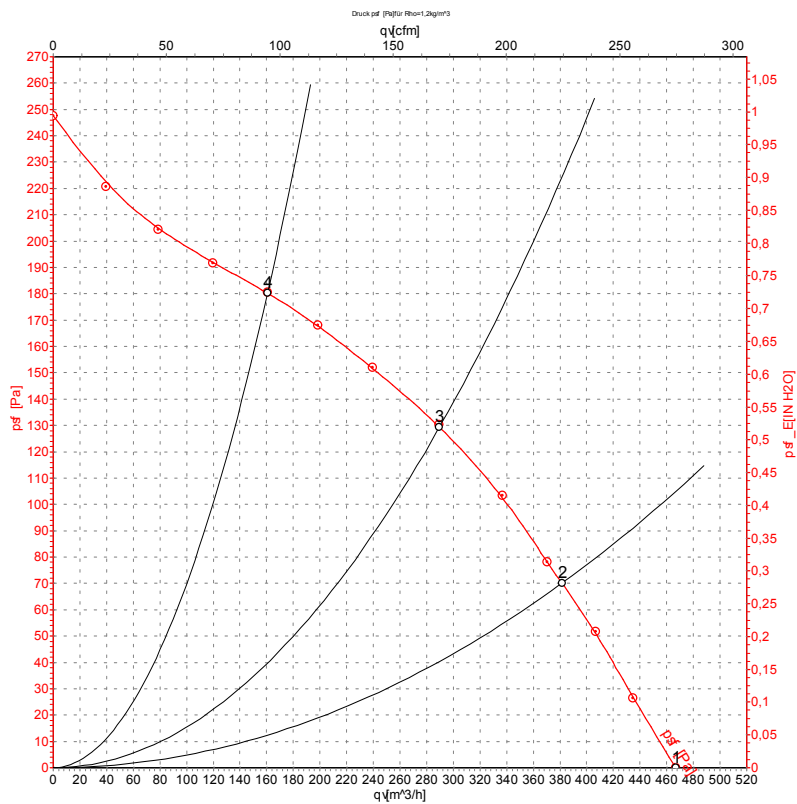
1	Connection line ETFE AWG 20, 4x brass lead tips crimped
2	Accessory part: Inlet nozzle 09576-2-4013, not included in the standard scope of delivery
3	Depth of screw max. 5 mm
4	Direction of rotation clockwise, seen on rotor

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

## Charts: Air flow 50 Hz



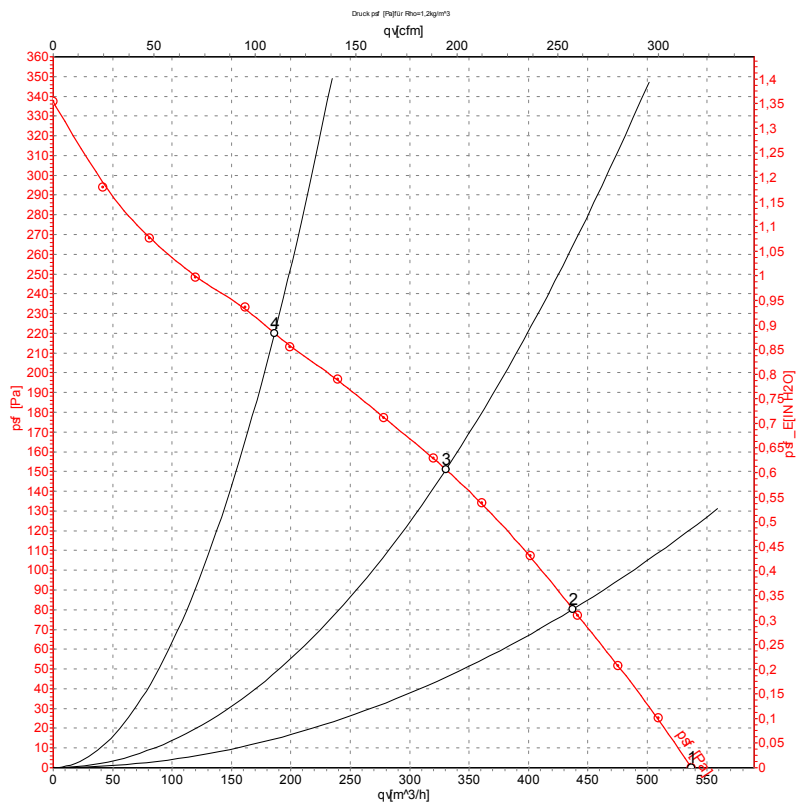
Measurement: LU-122918

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<sub>wA</sub> measured as per ISO 13347 / L<sub>pA</sub> 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 <sub>1</sub>	I	q <sub>v</sub>	p <sub>sf</sub>
	V	Hz	min <sup>-1</sup>	W	A	m³/h	Pa
1	230	50	2600	38	0.17	465	0
2	230	50	2510	39	0.17	380	70
3	230	50	2445	41	0.18	290	130
4	230	50	2475	40	0.17	160	180

## Charts: Air flow 60 Hz



Measurement: LU-122920

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<sub>WA</sub> measured as per ISO 13347 / L<sub>pA</sub> 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 <sub>1</sub>	I	q <sub>v</sub>	p <sub>sf</sub>
	V	Hz	min <sup>-1</sup>	W	A	m³/h	Pa
1	230	60	2950	44	0.20	535	0
2	230	60	2830	47	0.21	435	80
3	230	60	2705	49	0.22	330	150
4	230	60	2750	48	0.22	185	220