R2E190-AO26-05

AC centrifugal fan

backward curved, single inlet

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Nominal data

Type	**R2E190-AO26-05**		
Motor	**M2E068-BF**		
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^{-1}]	2500	2700
Power input	[W]	58	75
Current draw	[A]	0.26	0.34
Motor capacitor	[µF]	2	2
Capacitor voltage	[VDB]	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	[Pa]	0	0
Max. ambient temperature	[°C]	50	55
Air flow	[m^3/h]	570	620
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	62	64

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

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Technical features

Leackage current	< 0,75 mA
Size	190 mm
Operation mode	S1
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Direction of rotation	Clockwise, seen on rotor
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing-motor	Ball bearing
Mass	1.2 kg
Material of impeller	PA plastic 6, fiberglass-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
Protection class	I
Approval	CCC; GOST

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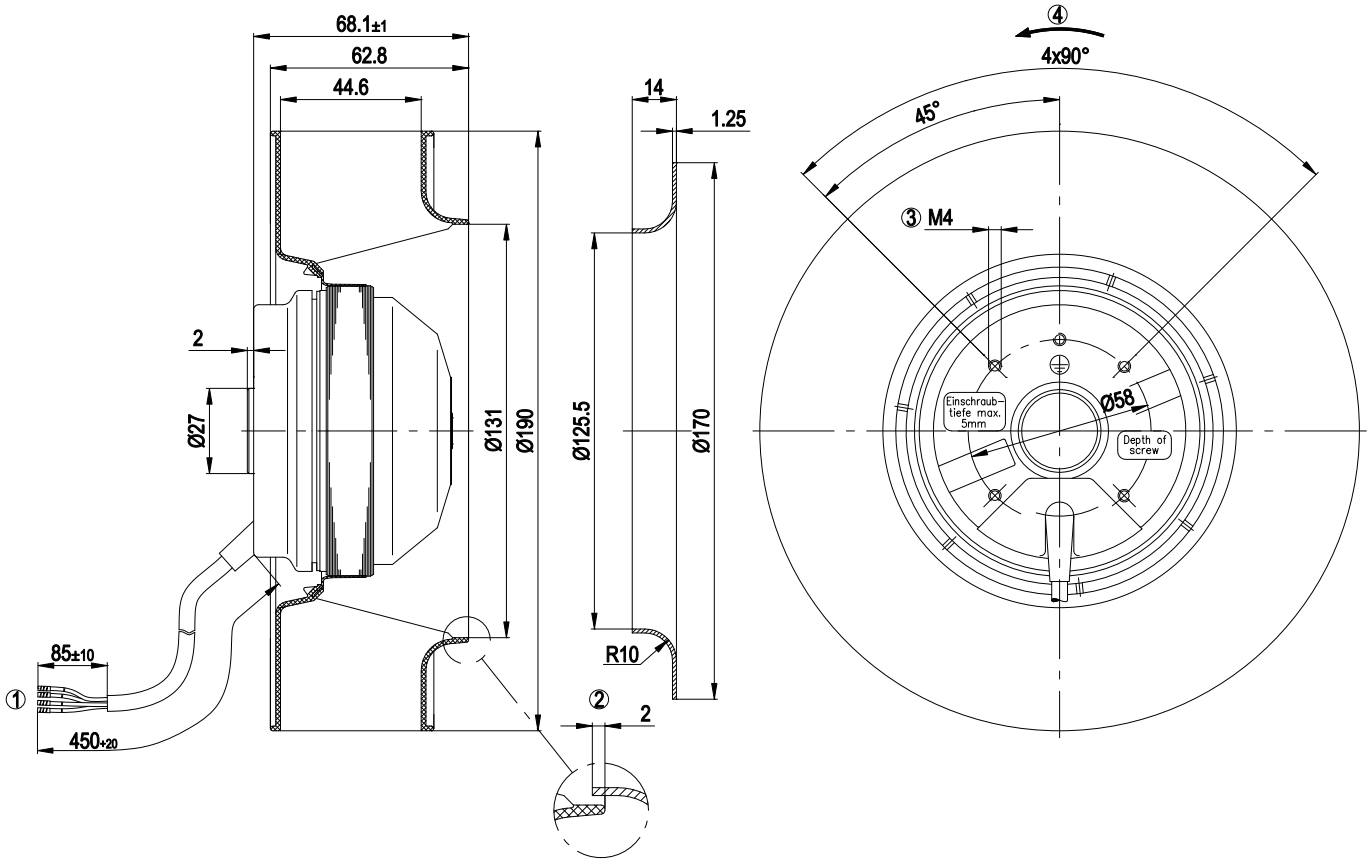
Product drawing



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

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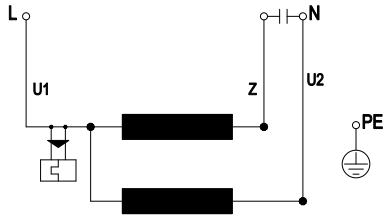
Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

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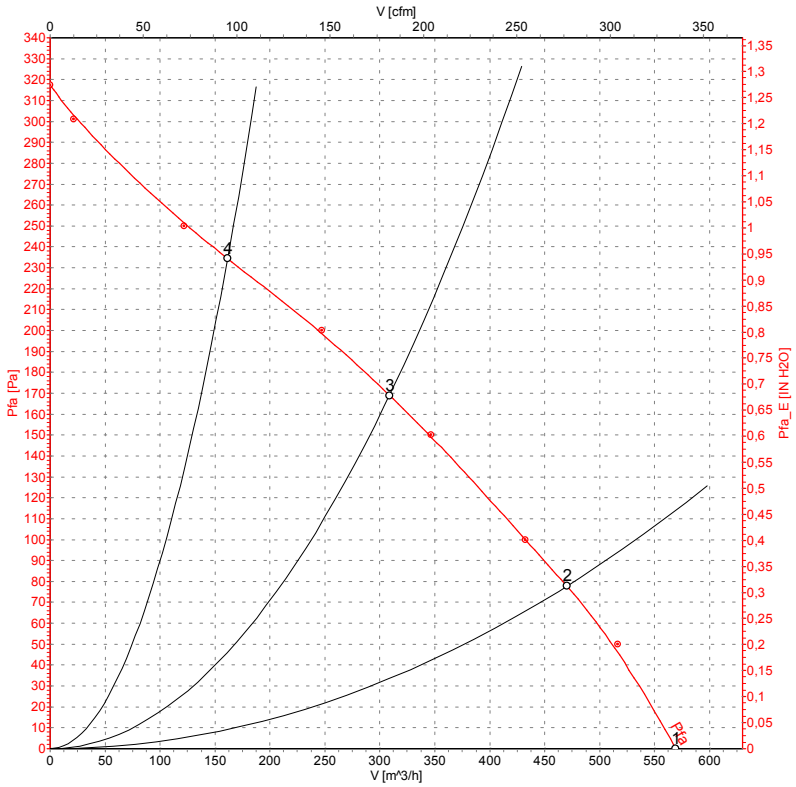
Charts: Air flow 50 Hz



Measured values

	U	f	n	P_1	I	η_{TL}	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[%]	[m^3/h]	[Pa]
1	230	50	2515	58	0.26	12	570	0
2	230	50	2470	60	0.26	43	470	78
3	230	50	2420	61	0.27	52	310	169
4	230	50	2505	58	0.25	39	160	234

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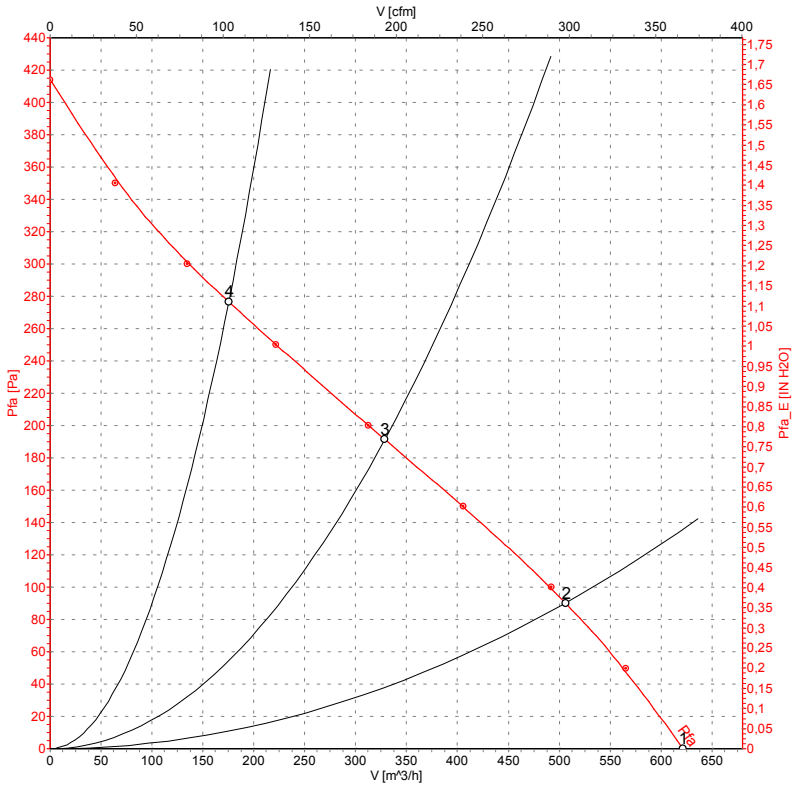
Charts: Air flow 60 Hz



Measured values

	U	f	n	P_1	I	η_{TL}	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[%]	[m^3/h]	[Pa]
1	230	60	2750	75	0.34	12	620	0
2	230	60	2690	76	0.34	44	505	91
3	230	60	2570	79	0.35	52	330	191
4	230	60	2720	76	0.34	40	175	276

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