

AC centrifugal fan

backward curved, single inlet

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Nominal data

Type	R2E250-AT06-19			
Motor	M2E074-EI			
Phase		1~	1~	1~
Nominal voltage	[V]	230	230	230
Frequency	[Hz]	50	60	60
Type of data definition		rfa	rfa	rfa
Valid for approval / standard		CE	CE	UL 2111
Speed	[min ⁻¹]	2800	3200	3200
Power input	[W]	215	345	360
Current draw	[A]	0,95	1.51	1.58
Motor capacitor	[μF]	5	5	5
Capacitor voltage	[VDB]	450	450	450
Min. back pressure	[Pa]	0	0	0
Max. ambient temperature	[°C]	-	50	50
Air flow	[m ³ /h]	1140	1650	1650
Back pressure	[Pa]	0	0	0
Sound pressure level	[dB(A)]	75	78	78

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

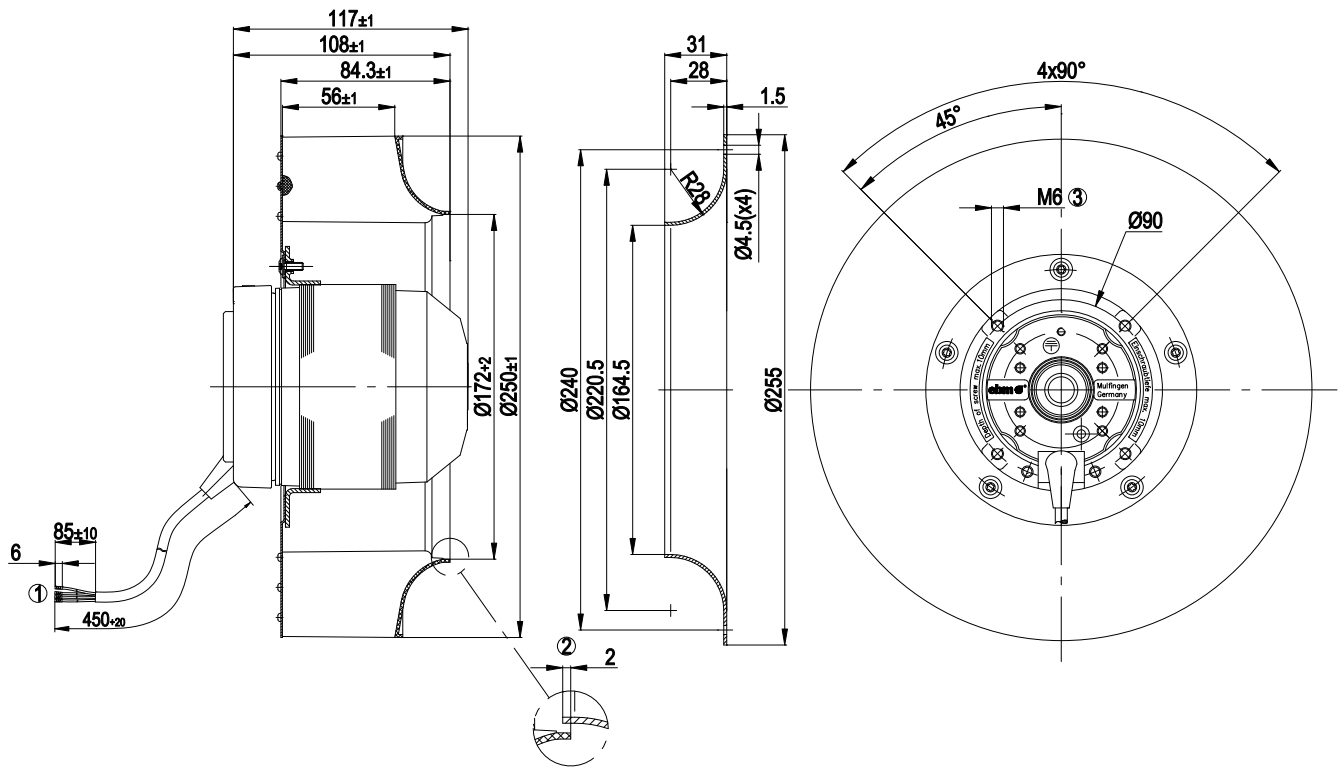
Technical features

Leakage current	< 0,75 mA
Size	250 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"F"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	4.1 kg
Material of impeller	Plastic PA6, 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	11
Type of protection	IP 54
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CSA C22.2 Nr.100; UL 1004

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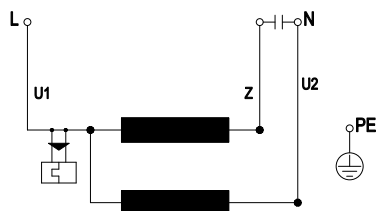
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Product drawing



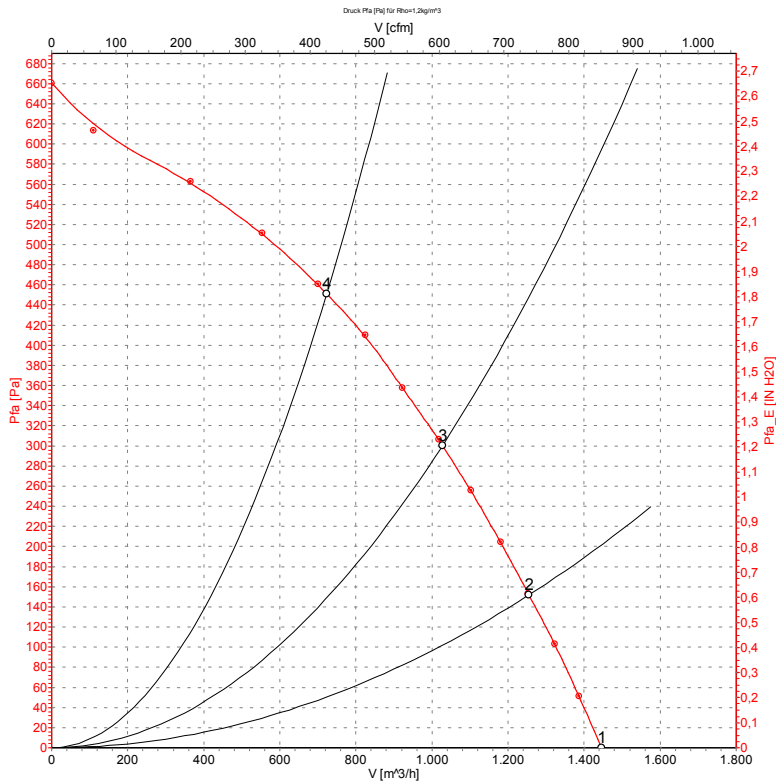
1	Connection line PFA, 4x brass lead tips crimped
2	Accessory part: Inlet nozzle 96359-2-4013, not included in the standard scope of delivery
3	Depth of screw max. 10 mm

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz



Measurement: LU-42383

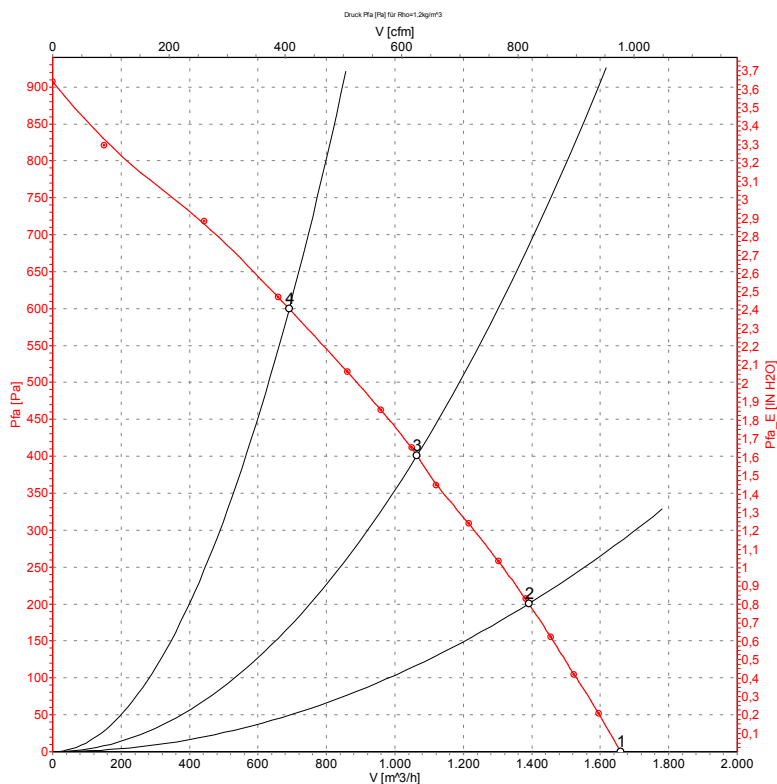
Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	2800	215	0.95	1445	0
2	230	50	2785	238	1.03	1255	150
3	230	50	2750	262	1.14	1025	300
4	230	50	2765	254	1.10	725	450

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Charts: Air flow 60 Hz



Measurement: LU-42385

Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	3200	345	1.51	1660	0
2	230	60	3105	378	1.64	1390	200
3	230	60	3010	401	1.74	1065	400
4	230	60	3070	385	1.67	690	600