

R4E355-AF05-05

AC centrifugal fan

backward curved, single inlet



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Nominal data

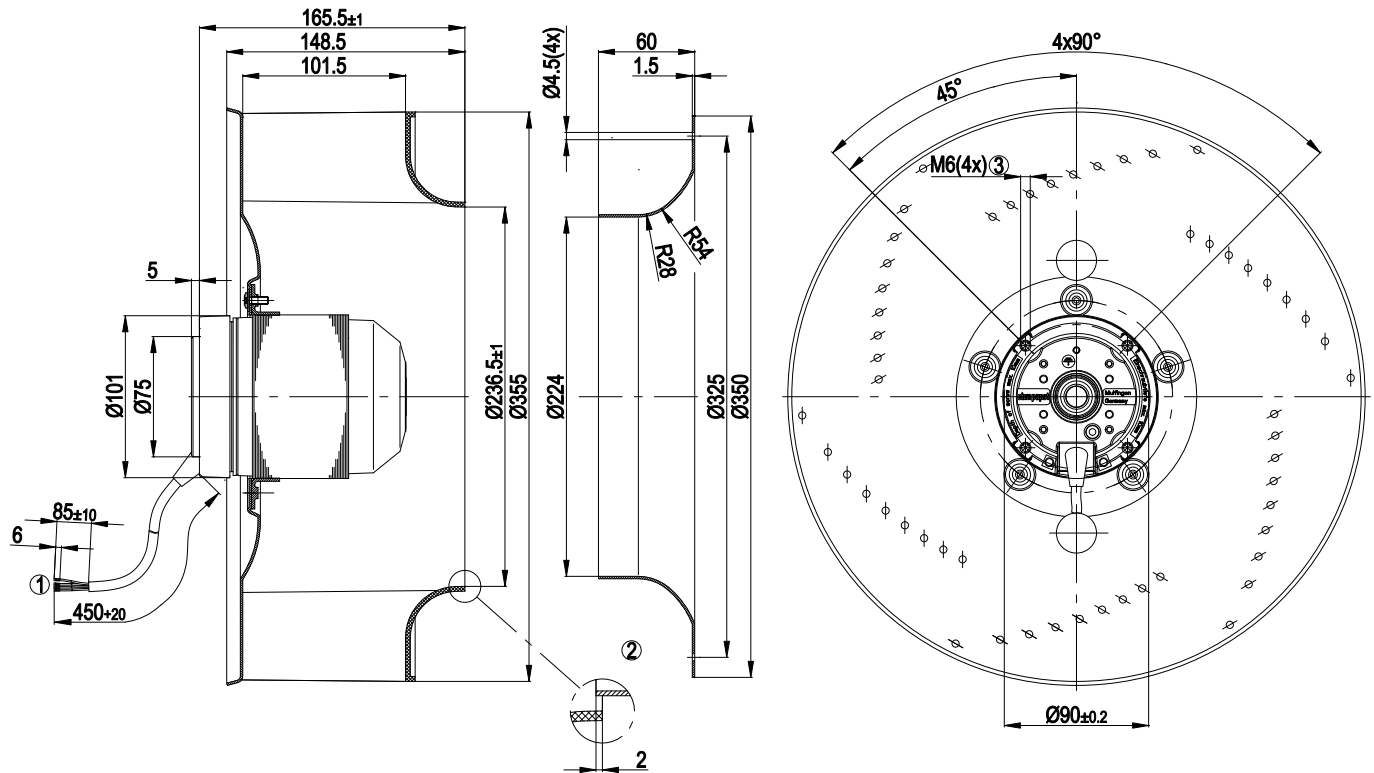
Type	R4E355-AF05-05		
Motor	M4E074-EI		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1410	1630
Power input	[W]	170	250
Current draw	[A]	0.78	1.1
Motor capacitor	[μF]	6	6
Capacitor voltage	[VDB]	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	[Pa]	0	0
Max. ambient temperature	[°C]	40	25

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

Technical features

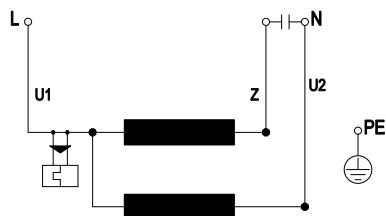
Leakage current	< 0.75 mA
Size	355 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	4.58 kg
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	6
Type of protection	IP 44
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

Product drawing



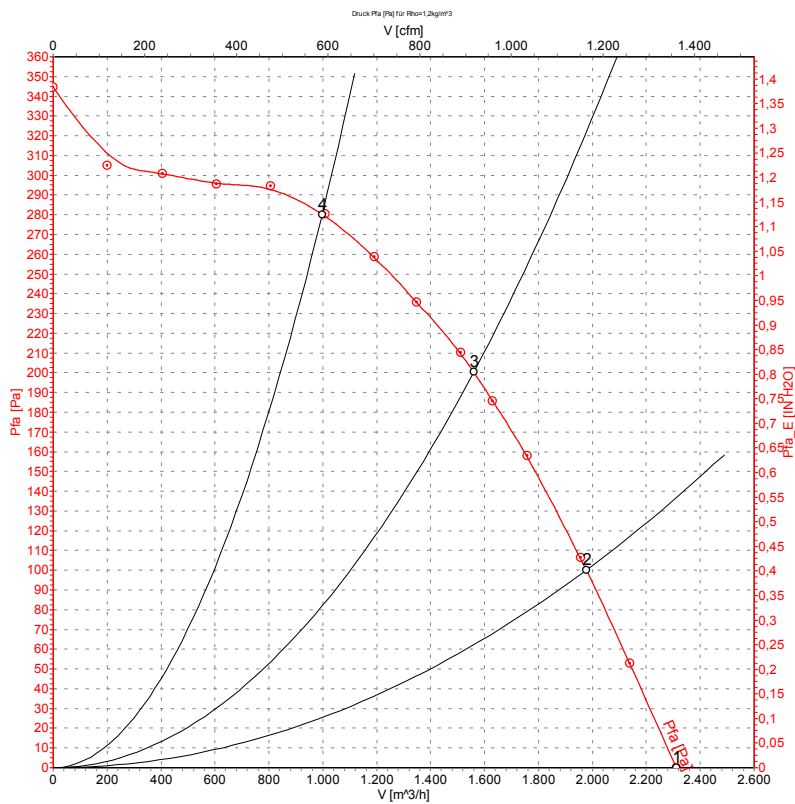
1	Connection line PVC 4 x 0.5 mm ² , 4 x brass lead tips crimped
2	Accessory part: Inlet nozzle 51357-2-4013, not included in the standard scope of delivery
3	Depth of screw max. 10 mm

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz



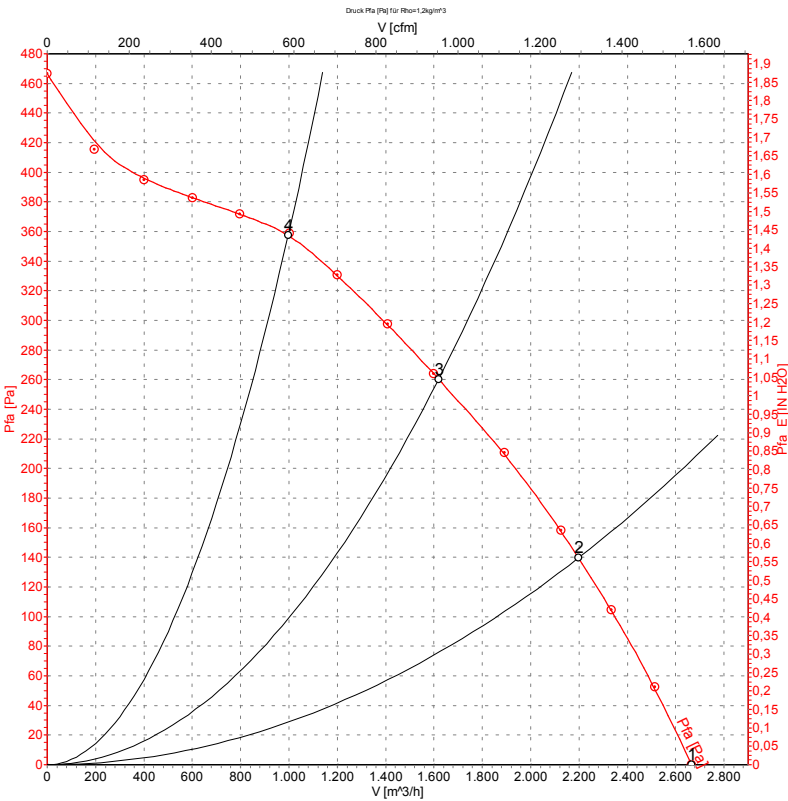
Measured values

	U	f	n	P_1	I	$\hat{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	1410	170	0.78	2310	0
2	230	50	1390	191	0.85	1975	100
3	230	50	1365	211	0.93	1560	200
4	230	50	1370	208	0.92	995	280

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Charts: Air flow 60 Hz



Measured values

	U	f	n	P ₁	I	Ṃ	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	1630	250	1.10	2665	0
2	230	60	1570	284	1.25	2200	140
3	230	60	1490	310	1.35	1620	260
4	230	60	1530	300	1.30	995	360