

R4E355-AK05-05

AC centrifugal fan

backward curved, single inlet



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Nominal data

Type	R4E355-AK05-05		
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]	1400	1600
Power input	[W]	180	260
Current draw	[A]	0.8	1.14
Motor capacitor	[μF]	6	6
Capacitor voltage	[VDB]	450	450
Min. back pressure	[Pa]	0	
Max. ambient temperature	[°C]	60	35

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

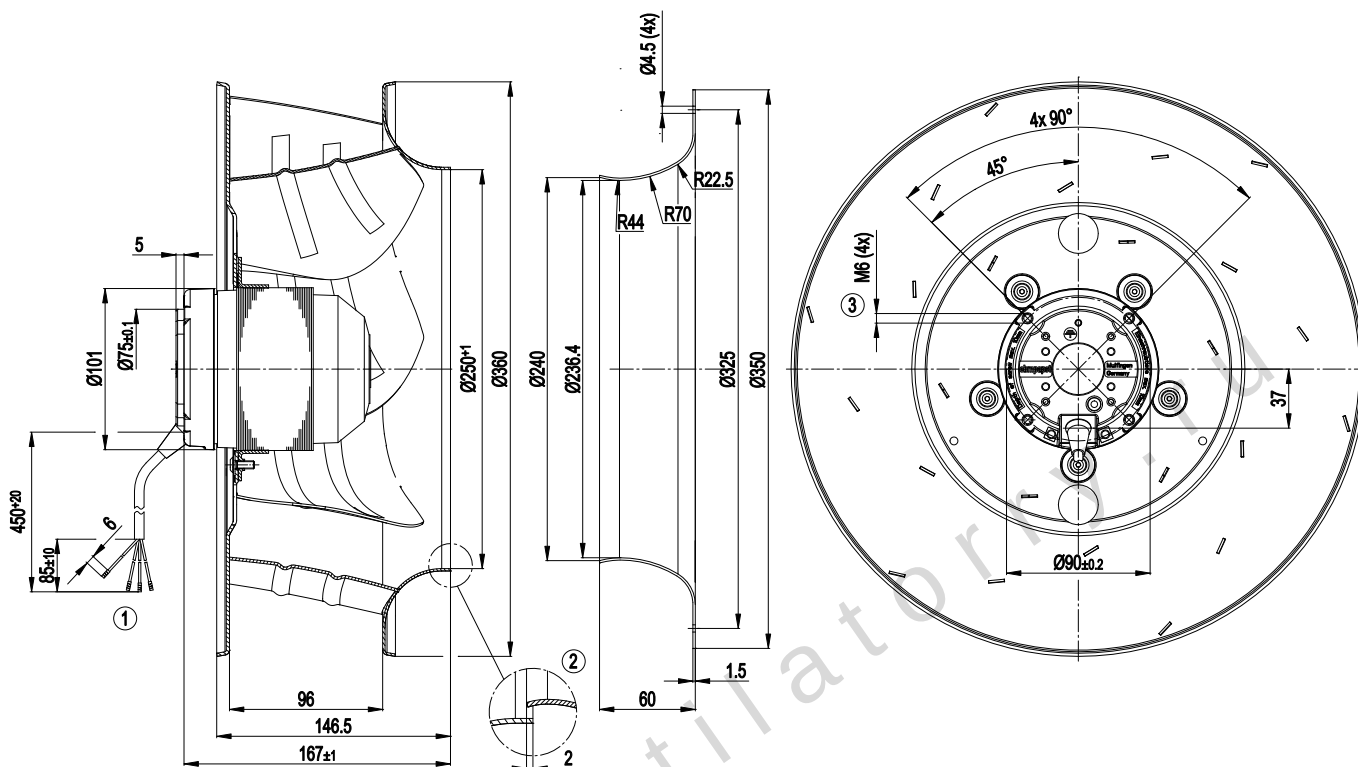
Leakage current	< 0.75 mA
Size	355 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Insulation class	"F"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	4.7 kg
Material of impeller	Aluminum sheet, laser-welded
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; Depending on installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

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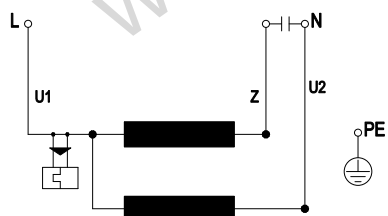
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Product drawing



1	Connection line silicone 4G 0.5 mm ² , 4 x brass lead tips crimped
2	Accessory part: Inlet nozzle 35560-2-4013, not included in the standard scope of delivery
3	Depth of screw max. 10 mm

Connection screen



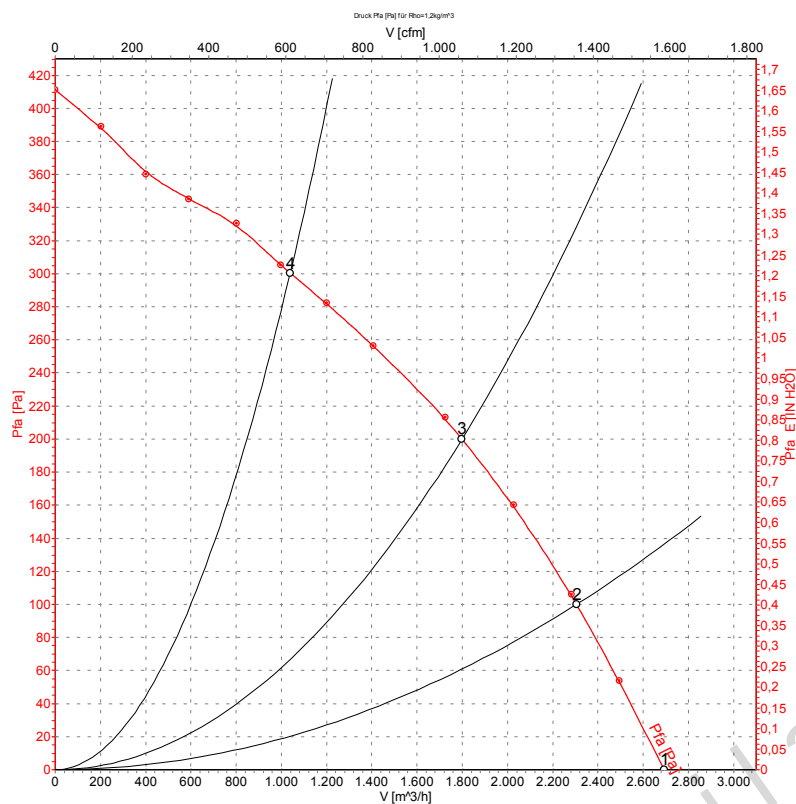
U1	blue	Z	brown	U2	black
PE	green/yellow				

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Charts: Air flow 50 Hz



Measurement: LU-106554

Measured values

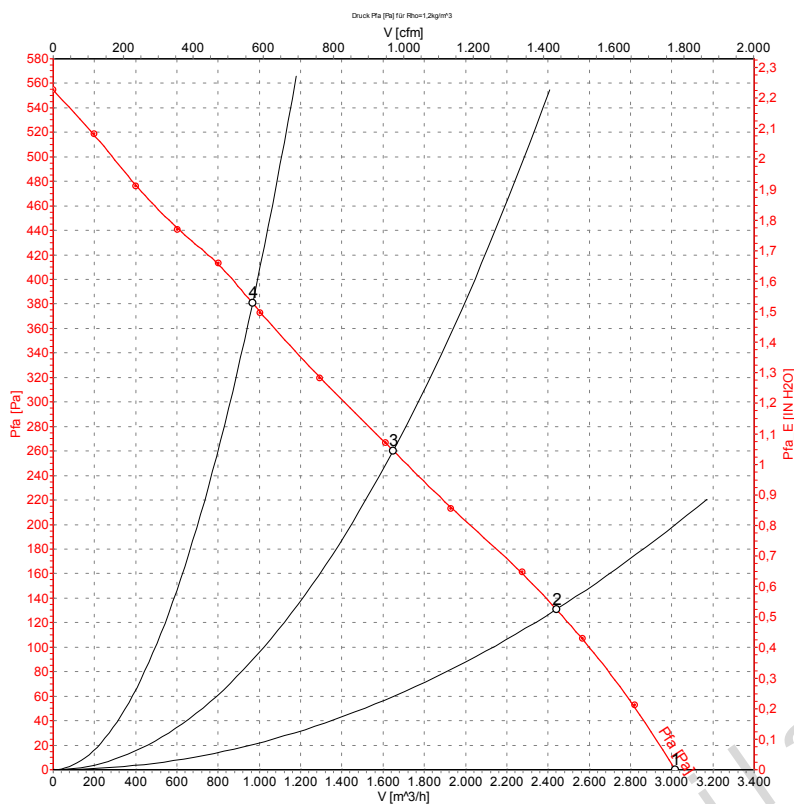
	U	f	n	P ₁	I	Ŵ	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	1400	180	0.80	2695	0
2	230	50	1355	218	0.96	2305	100
3	230	50	1330	234	1.03	1800	200
4	230	50	1350	221	0.98	1040	300

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Charts: Air flow 60 Hz



Measurement: LU-106556

Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	1600	260	1.14	3020	0
2	230	60	1465	316	1.37	2440	130
3	230	60	1395	329	1.43	1650	260
4	230	60	1485	309	1.34	965	380