R4E355-AK15-13

AC centrifugal fan

backward curved, single inlet

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Nominal data

Type	**R4E355-AK15-13**	
Motor	**M4E074-EI**	
Phase		1~
Nominal voltage	VAC	277
Frequency	Hz	60
Type of data definition		fa
Valid for approval / standard		UL
Speed	min^{-1}	1590
Power input	W	265
Current draw	A	0.97
Motor capacitor	µF	5
Capacitor voltage	VDB	450
Capacitor standard		UL
Min. back pressure	Pa	0
Max. ambient temperature	°C	30
Starting current	A	1.6

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

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Technical features

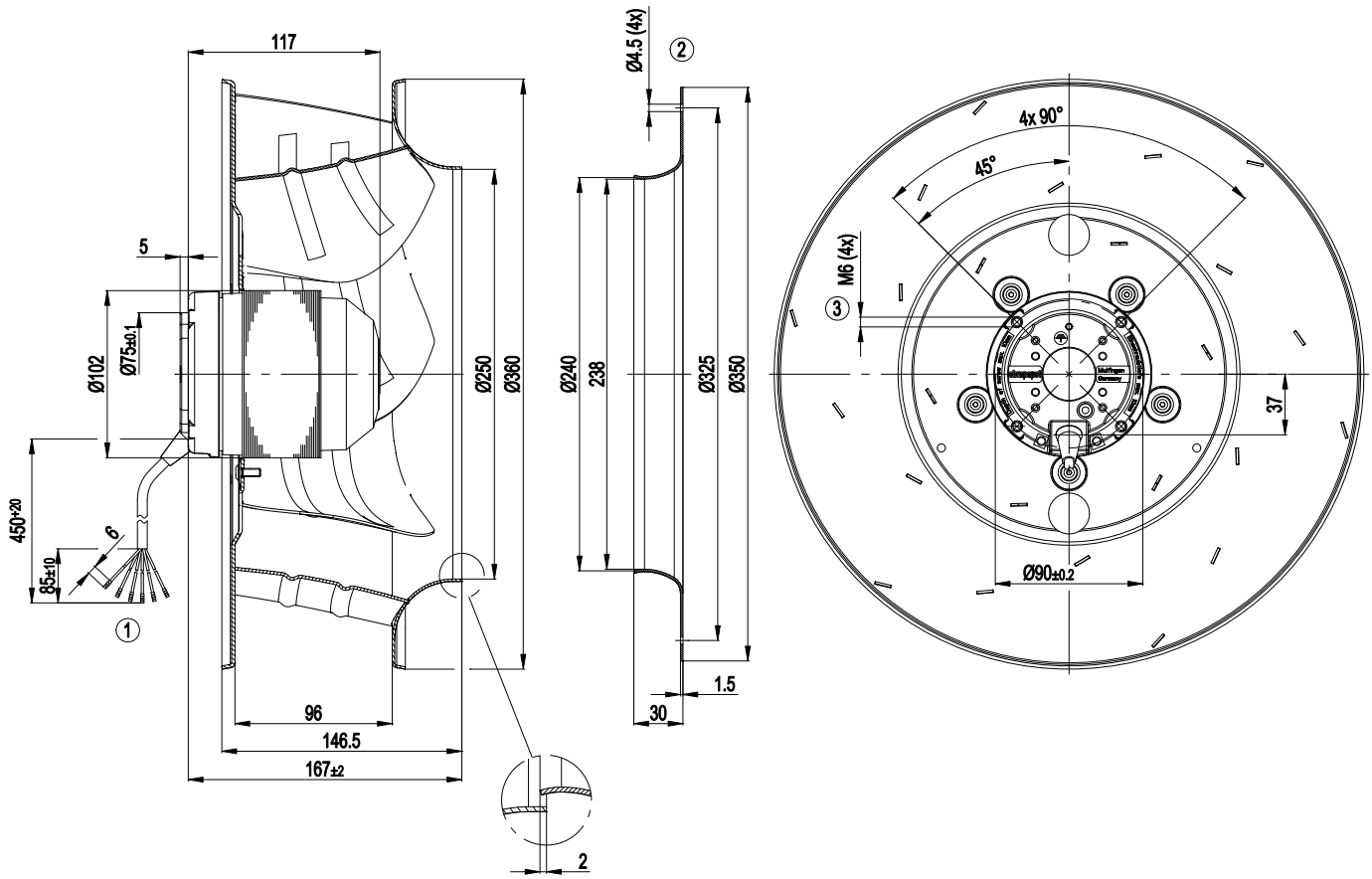
Mass	4.7 kg
Size	355 mm
Surface of rotor	Coated in black
Material of impeller	Aluminium sheet
Number of blades	6
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 00
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) brought out
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE

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Product drawing



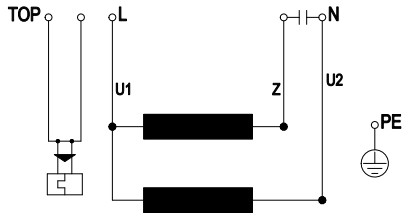
1	Connection line PVC, brass lead tips crimped
2	Accessory part: Inlet nozzle 35561-2-4013, not included in the standard scope of delivery
3	Depth of screw max. 10 mm

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Connection screen



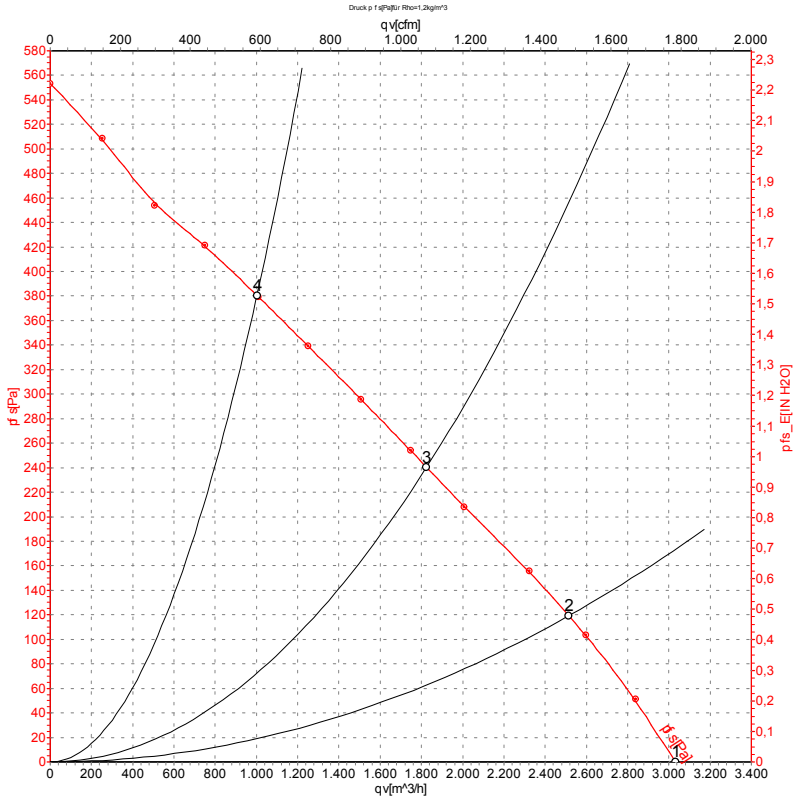
TOP	2 x grey	U1	blue	Z	brown
U2	black	PE	green / yellow		

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Charts: Air flow 60 Hz



Measurement: LU-65532

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: LwA measured as per ISO 13347 / LpA 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_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	277	60	1590	265	0.97	3030	0
2	277	60	1500	302	1.10	2515	120
3	277	60	1420	326	1.18	1825	240
4	277	60	1505	299	1.09	1000	380

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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