

R4E400-AP17-06

AC centrifugal fan

backward curved, single inlet

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Nominal data

Type	R4E400-AP17-06		
Motor	M4E094-HA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	min ⁻¹	1370	1460
Power input	W	480	700
Current draw	A	2.4	3.15
Motor capacitor	µF	10	10
Capacitor voltage	VDB	450	450
Capacitor standard		P2 (CE)	P2 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	80	55

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

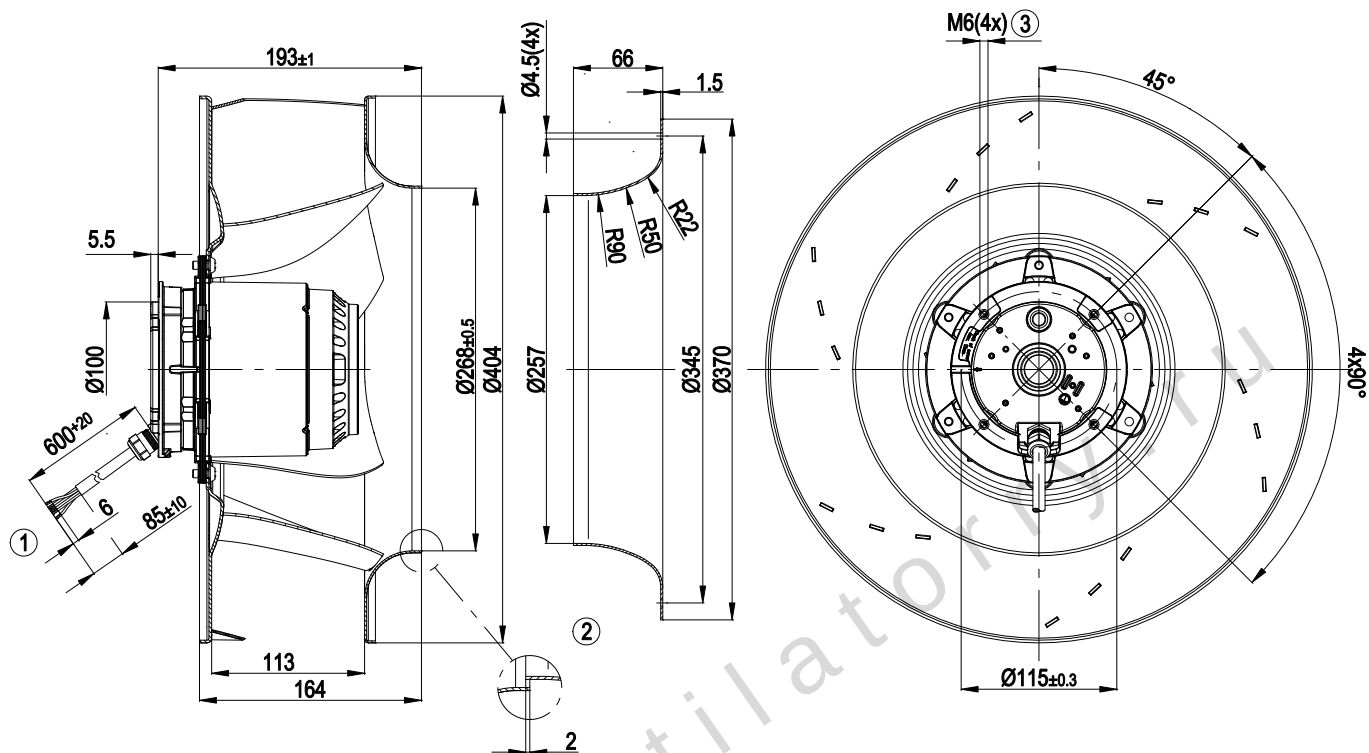
Leakage current	<= 3.5 mA
Size	400 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F4-1
Insulation class	"F"
Cable exit	Variable
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	8.5 kg
Material of impeller	Aluminium sheet
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	EN 60034-1 (2004)
Surface of rotor	Coated in black
Number of blades	6
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

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Product drawing



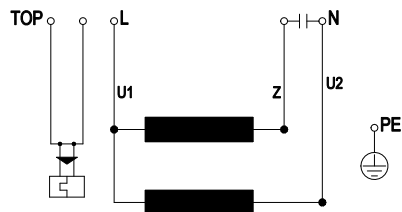
1	Connection line silicone 6G 0.5 mm ² , 6x brass lead tips crimped
2	Accessory part: inlet nozzle 54476-2-4013, not included in the standard scope of delivery; other inlet nozzles on request
3	Depth of screw max. 12 mm

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Connection screen



Note: TOP brought out

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

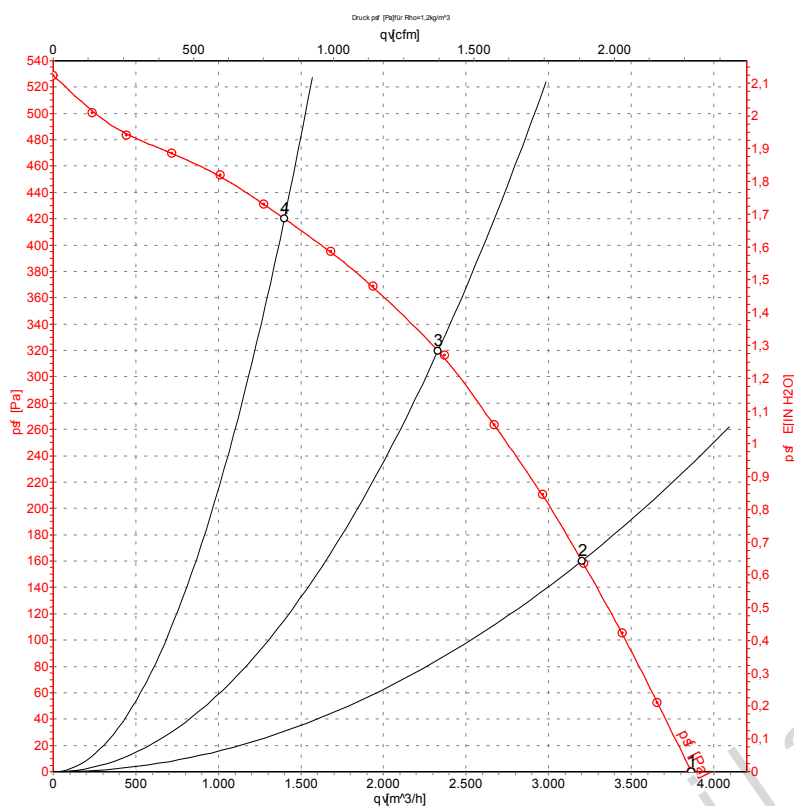
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Charts: Air flow 50 Hz



Measurement: LU-57490

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: L_{WA} measured as per ISO 13347 / L_{pA} 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

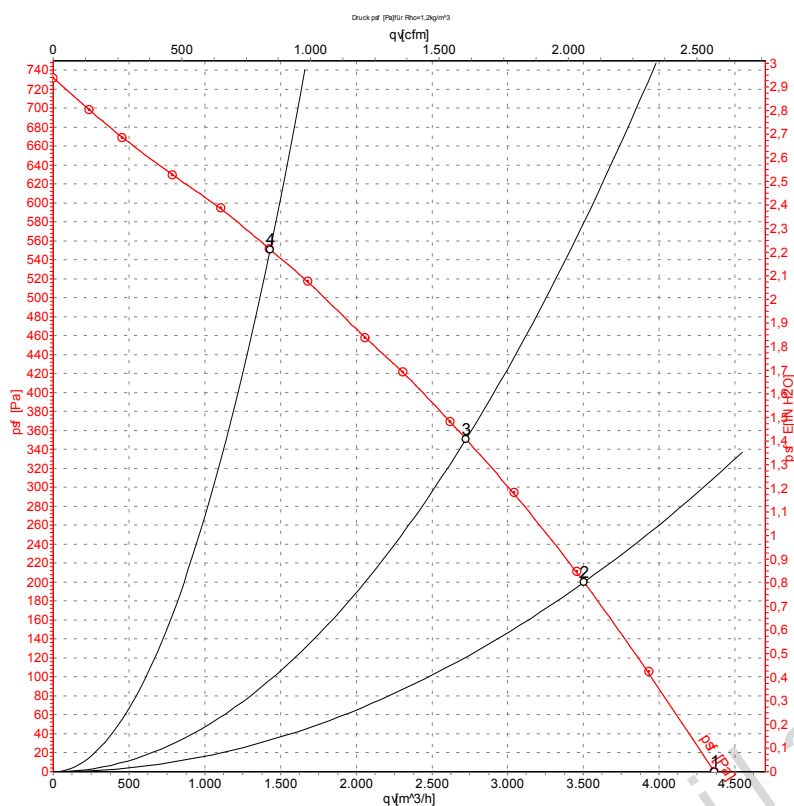
	U	f	n	P _e	I	q _v	p _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	1400	409	2.13	3865	0
2	230	50	1380	461	2.33	3200	160
3	230	50	1370	480	2.40	2330	320
4	230	50	1395	431	2.20	1400	420

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Charts: Air flow 60 Hz



Measurement: LU-57491

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: L_{WA} measured as per ISO 13347 / L_{pA} 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	q _v	p _{st}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	1590	600	2.66	4360	0
2	230	60	1525	670	3.02	3505	200
3	230	60	1460	700	3.15	2725	350
4	230	60	1580	610	2.70	1430	550