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Limited partnership · Headquarters Mulfingen

County court Stuttgart · HRA 590344

General partner: Elektrobau Mulfingen GmbH · Headquarters Mulfingen

County court Stuttgart · HRB 590142

Nominal data

Type	R4E450-AB09-06	
Motor	M4E094-HA	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		ml
Valid for approval / standard		CE
Speed	min ⁻¹	1290
Power input	W	640
Current draw	A	3.1
Motor capacitor	µF	10
Capacitor voltage	VDB	400
Min. back pressure	Pa	0
Max. ambient temperature	°C	50

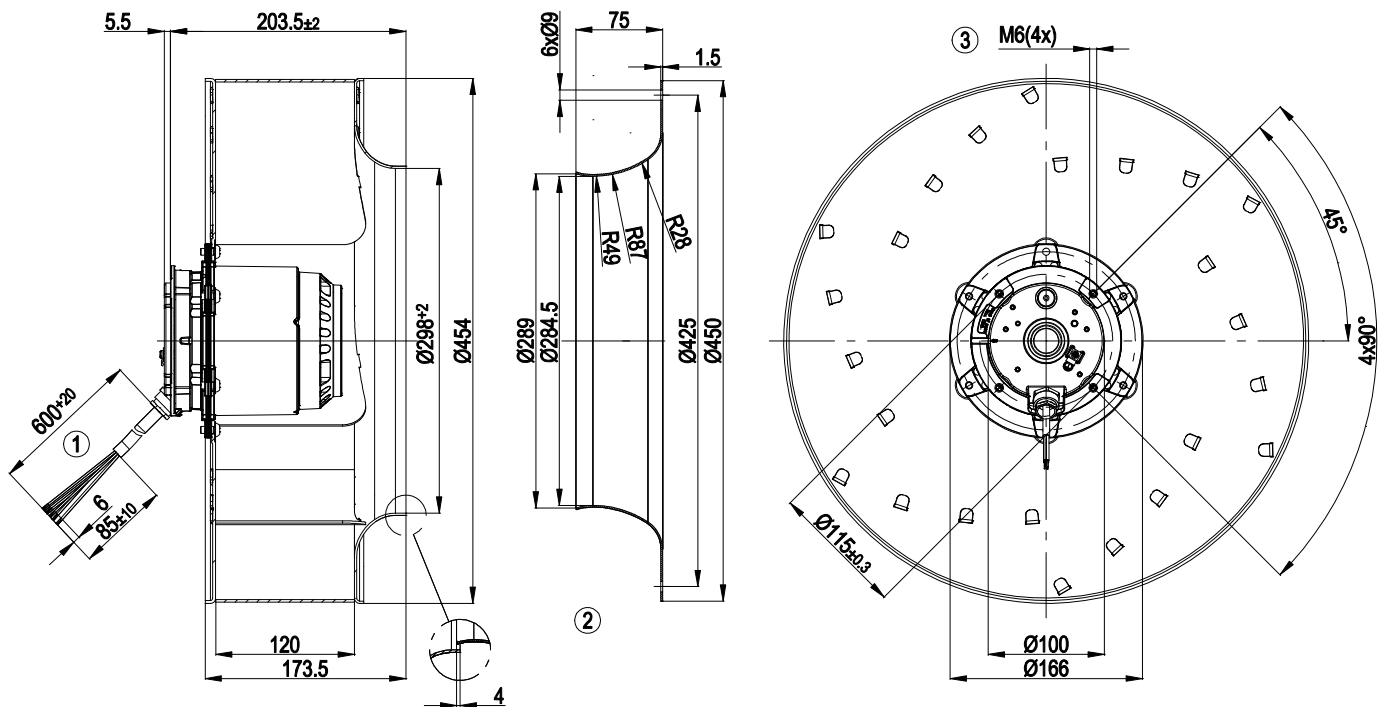
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

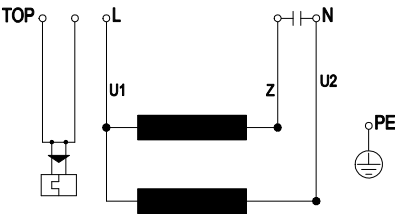
Mass	9.5 kg
Size	450 mm
Surface of rotor	Coated in black
Material of electronics housing	Rotor: Coated in black
Material of impeller	Aluminium sheet
Number of blades	6
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"F"
Humidity class	F4-1
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Leakage current	<= 3.5 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 60034
Approval	CCC

Product drawing



1	Connection line silicone 6G 0.5 mm ² , 6 x brass lead tips crimped
2	Accessory part: inlet nozzle 63045-2-4013, not included in the standard scope of delivery; other inlet nozzles on request
3	Depth of screw max. 12 mm

Connection screen

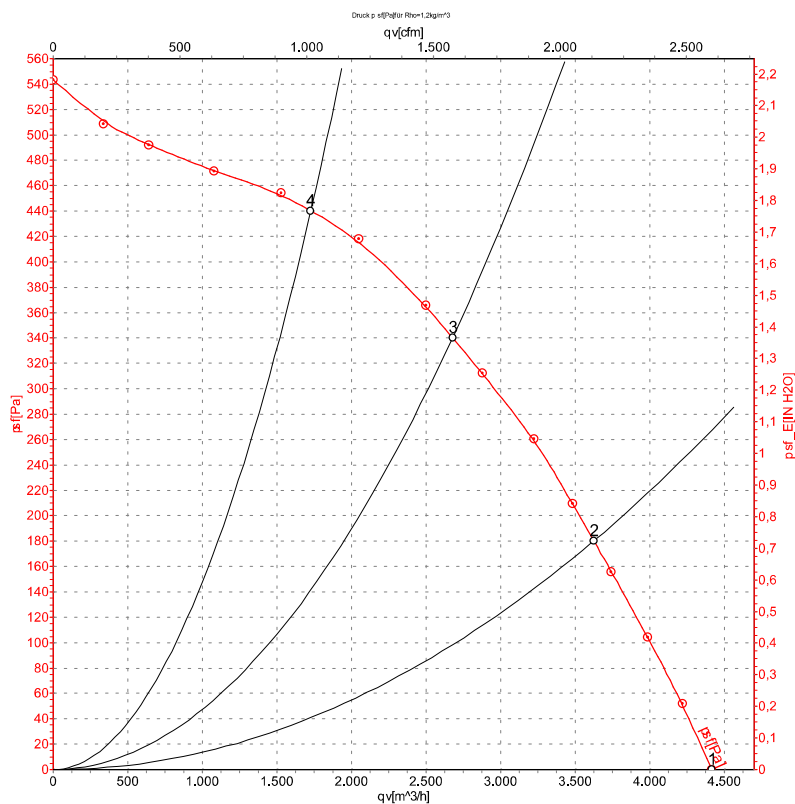


Note: TOP brought out

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



Charts: Air flow 50 Hz



Measurement: LU-57699

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	qV	p _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	1385	445	2.27	4415	0
2	230	50	1320	588	2.88	3625	180
3	230	50	1290	640	3.10	2680	340
4	230	50	1325	573	2.80	1725	440