R2E140-BR52-19

AC centrifugal fan

forward curved, single inlet

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Nominal data

Type	**R2E140-BR52-19**	
Motor	**M2E052-CA**	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		cu
Valid for approval / standard		CE
Speed	min^{-1}	2000
Power input	W	73
Current draw	A	0.32
Motor capacitor	µF	2
Capacitor voltage	VDB	400
Capacitor standard		P0 (CE)
Min. back pressure	Pa	0
Max. ambient temperature	°C	45

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

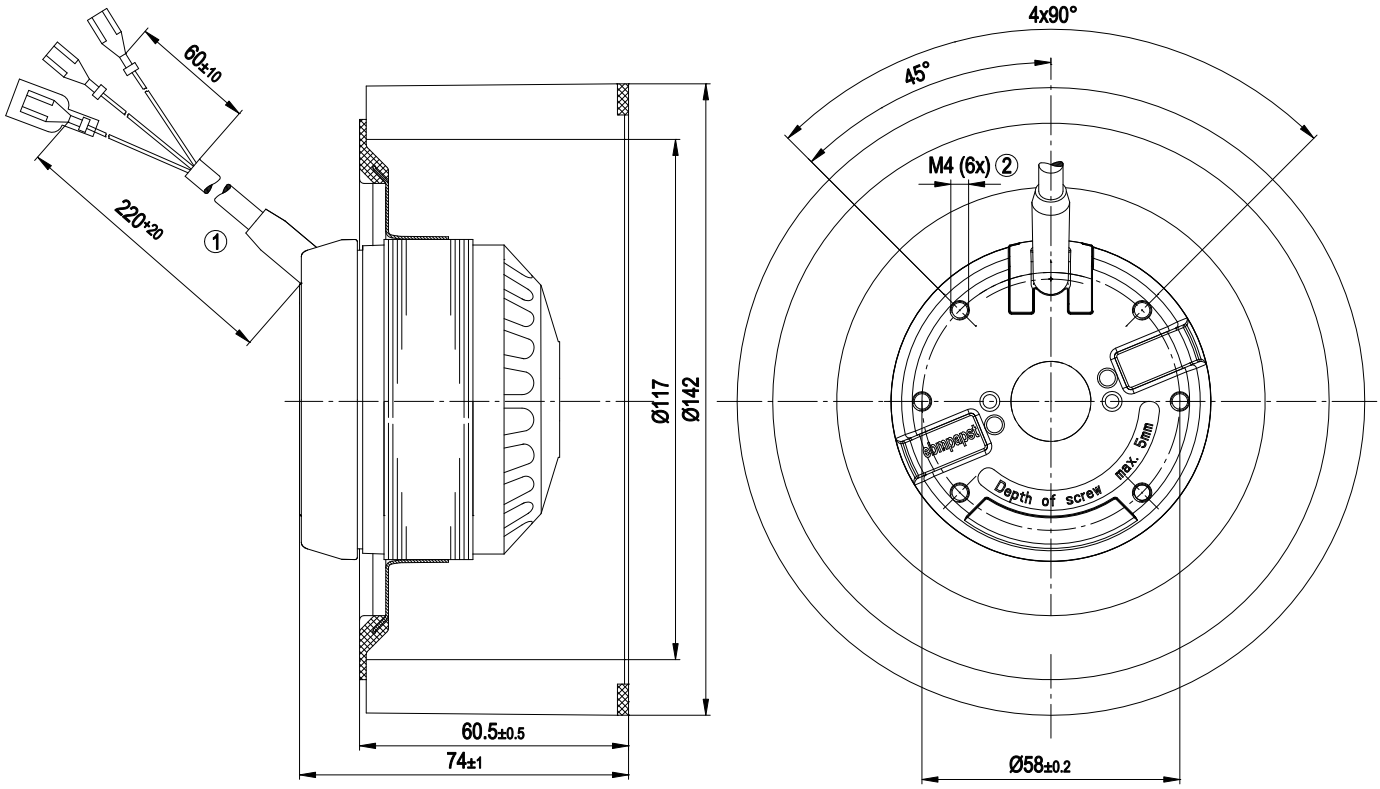
Mass	0.8 kg
Size	140 mm
Surface of rotor	Uncoated
Material of impeller	Plastic PA6, fibreglass-reinforced
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on top; rotor on bottom on request
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Twin bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical leads	With plug
Motor protection	Thermal overload protector (TOP) wired internally
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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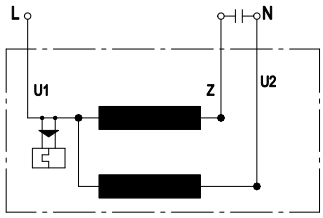
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Product drawing



1	Connection line PVC 3X 0.5 mm², 3x receptacle for tabs 6.3 x 1.0 crimped, blue strand with additional insulating sleeve
2	Depth of screw max. 5 mm

Connection screen



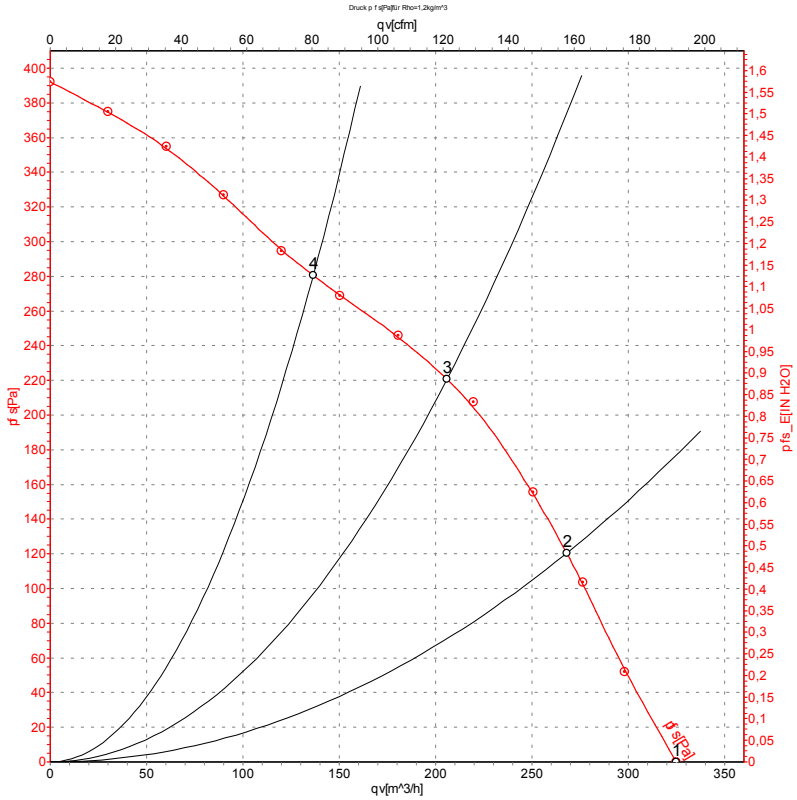
U1	Blue	Z	brown	U2	black

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Charts: Air flow 50 Hz



Measurement: LU-72242

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	230	50	1300	75	0.33	325	0
2	230	50	1655	72	0.31	270	120
3	230	50	2040	67	0.29	205	220
4	230	50	2345	61	0.27	135	280

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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