

R2E133-BH72-34 ebmpapst Datasheet

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Nominal data

Type	R2E133-BH72-34		
Motor	M2E052-BF		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2750	3200
Power input	W	26	28
Current draw	A	0.23	0.25
Motor capacitor	µF	4	4
Capacitor voltage	VDB	220	220
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	50	60

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

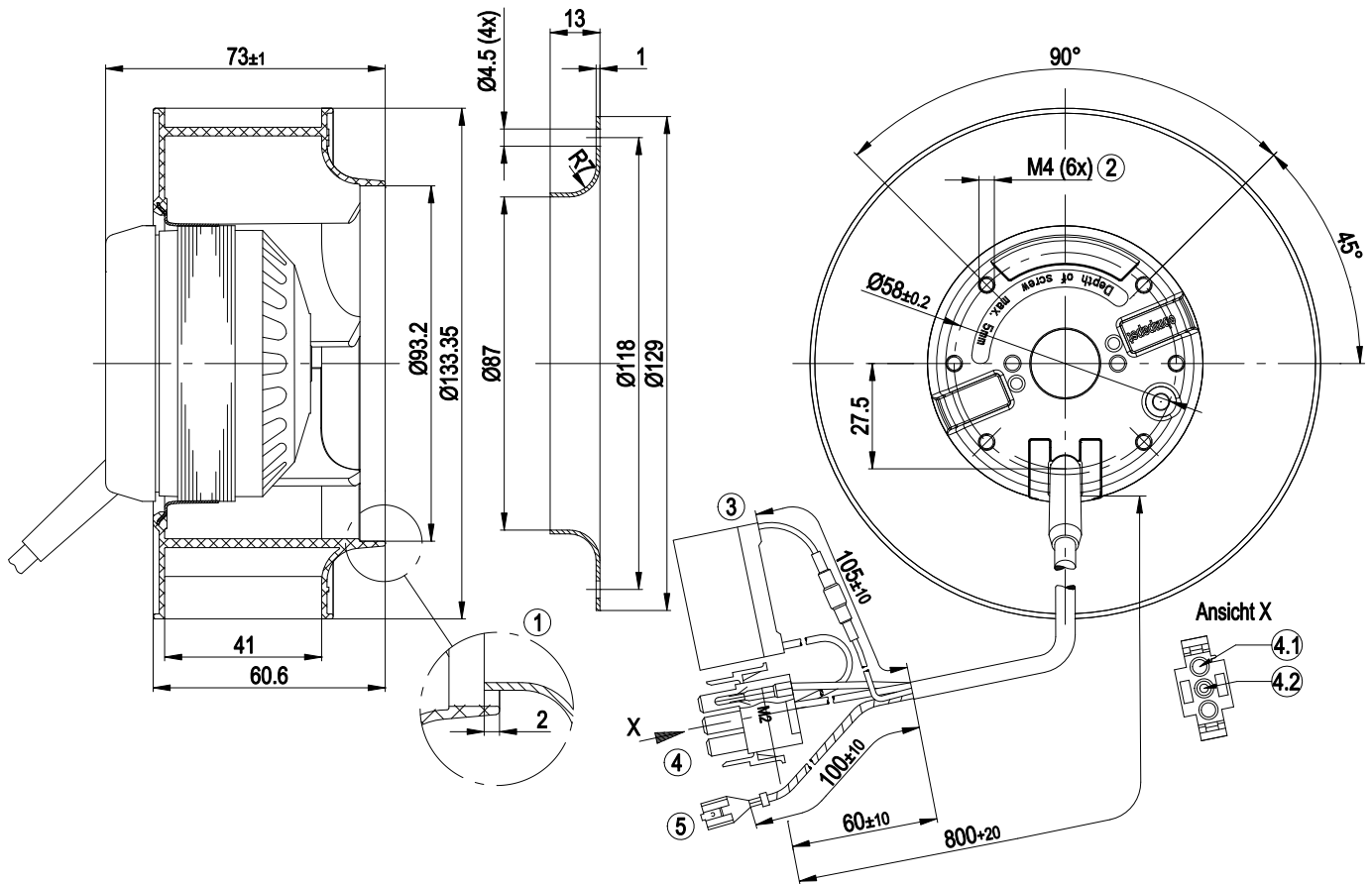


Technical features

Mass	0.7 kg
Size	133 mm
Material of impeller	Plastic PA6, fibreglass-reinforced
Number of blades	7
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	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Leakage current	< 0.75 mA
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
Approval	CSA C22.2 Nr.77; VDE; UL 2111; CCC

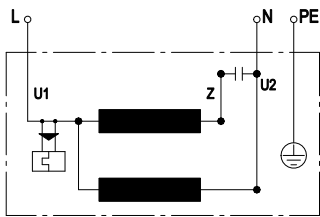


Product drawing



1	Accessory part: Inlet nozzle 09566-2-4013, not included in the standard scope of delivery
2	Depth of screw max. 5 mm
3	Capacitor with adhesive foil
4	Connector housing AMP 350766-4 with 2 x plug pin AMP 350538-1 and 1 x plug pin AMP 926885-1
4.1	Blue
4.2	black (+ capacitor)
5	PE = Receptacle for tabs AMP 160389-3

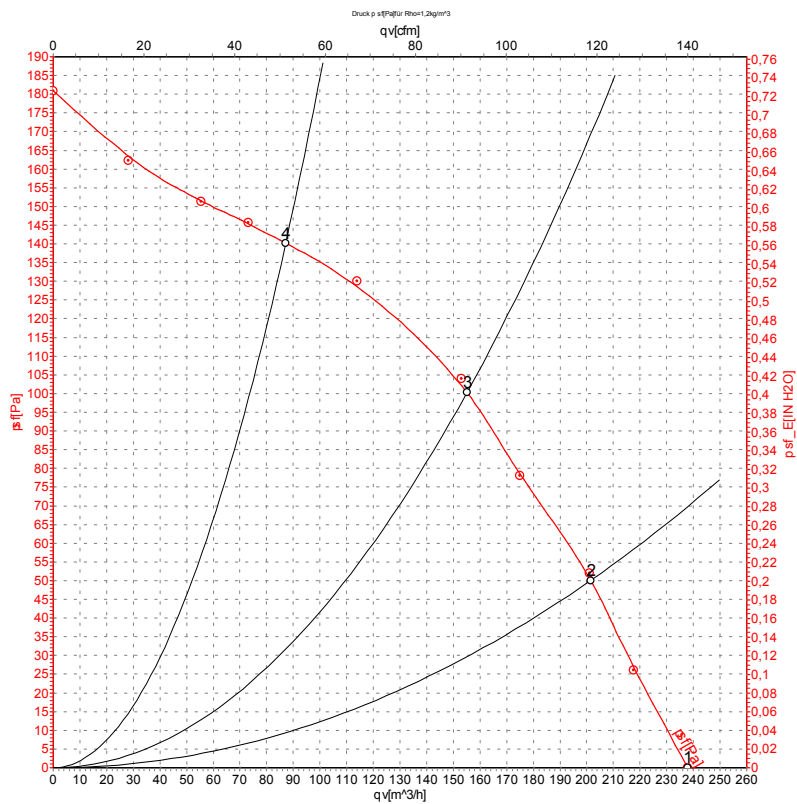
Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				



Charts: Air flow 50 Hz



Measurement: LU-54199

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.

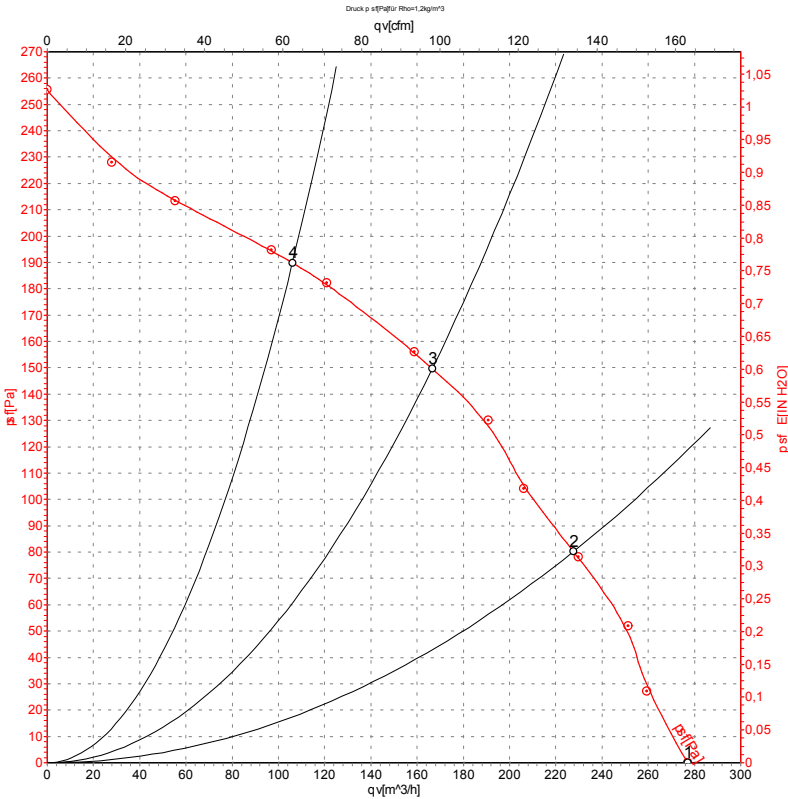
Measured values

	U	f	n	P _e	I	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	50	2750	26	0.23	240	0
2	115	50	2710	26	0.24	200	50
3	115	50	2710	26	0.24	155	100
4	115	50	2740	26	0.23	85	140



AC centrifugal fan
backward curved

Charts: Air flow 60 Hz



Measurement: LU-54200

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 _{st}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	60	3200	28	0.25	275	0
2	115	60	3155	29	0.26	230	80
3	115	60	3150	30	0.26	165	150
4	115	60	3195	29	0.25	105	190

