

R2E140-BR64-03 ebmpapst Datasheet

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Nominal data

Type	R2E140-BR64-03		
Motor	M2E052-CA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	ml
Valid for approval / standard		CE	CE
Speed	min ⁻¹	1200	1800
Power input	W	77	75
Current draw	A	0.34	0.33
Motor capacitor	μF	2	2
Capacitor voltage	VDB	400	400
Min. back pressure	Pa	0	150
Min. ambient temperature	°C	-20	-20
Max. ambient temperature	°C	25	25

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



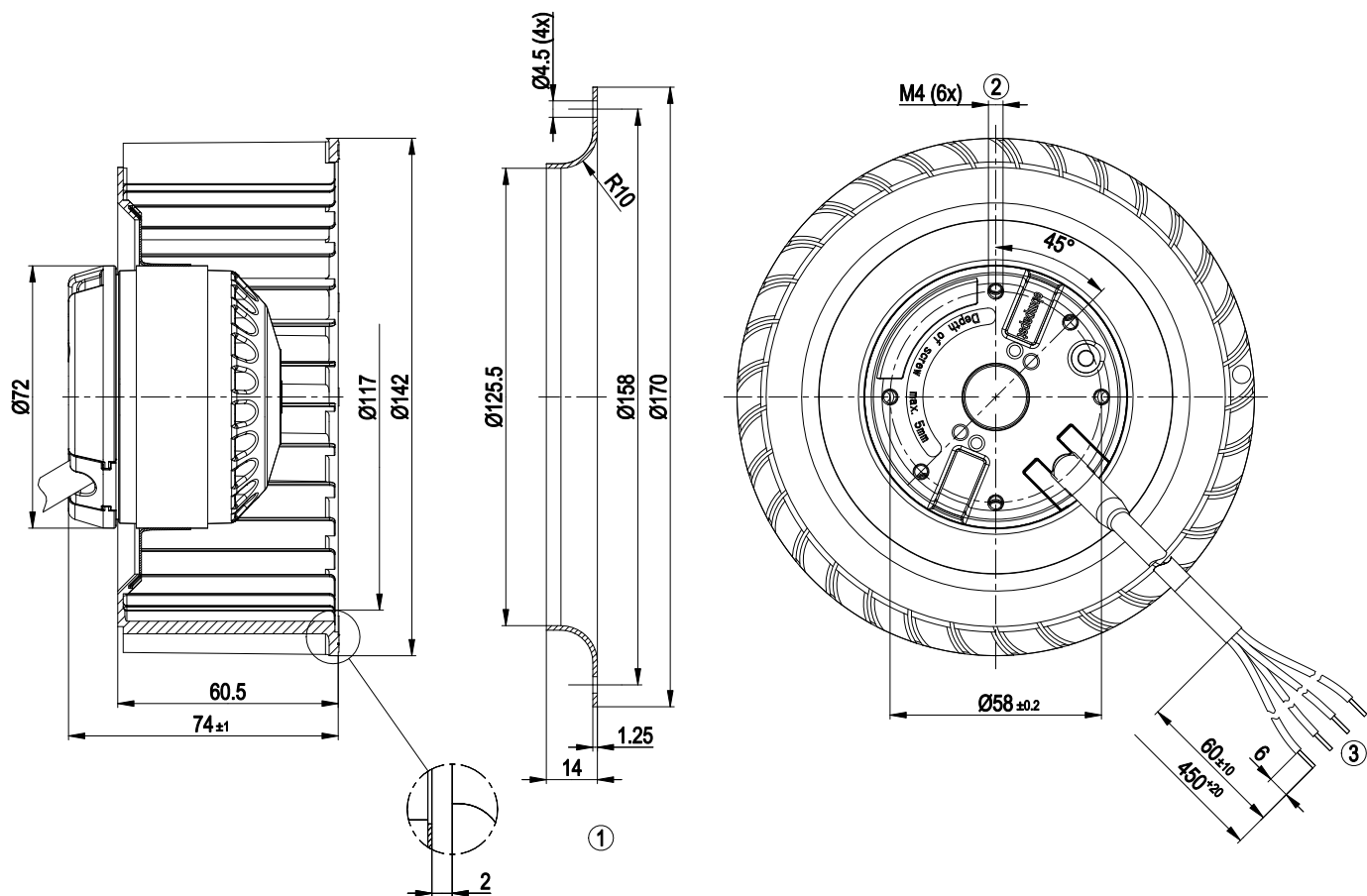
Technical features

Mass	0.8 kg
Size	140 mm
Material of impeller	PA6 plastic
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, horizontal preferred
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
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

AC centrifugal fan

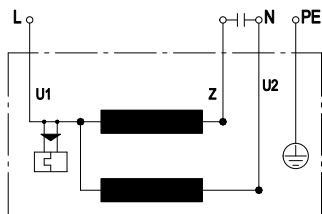
forward curved

Product drawing



- | | |
|---|--|
| 1 | Inlet nozzle accessory part 09576-2-4013 (not included in scope of delivery) |
| 2 | Depth of screw max. 5 mm |
| 3 | Connection line H03VV-F4G0.5, 6 mm bared |

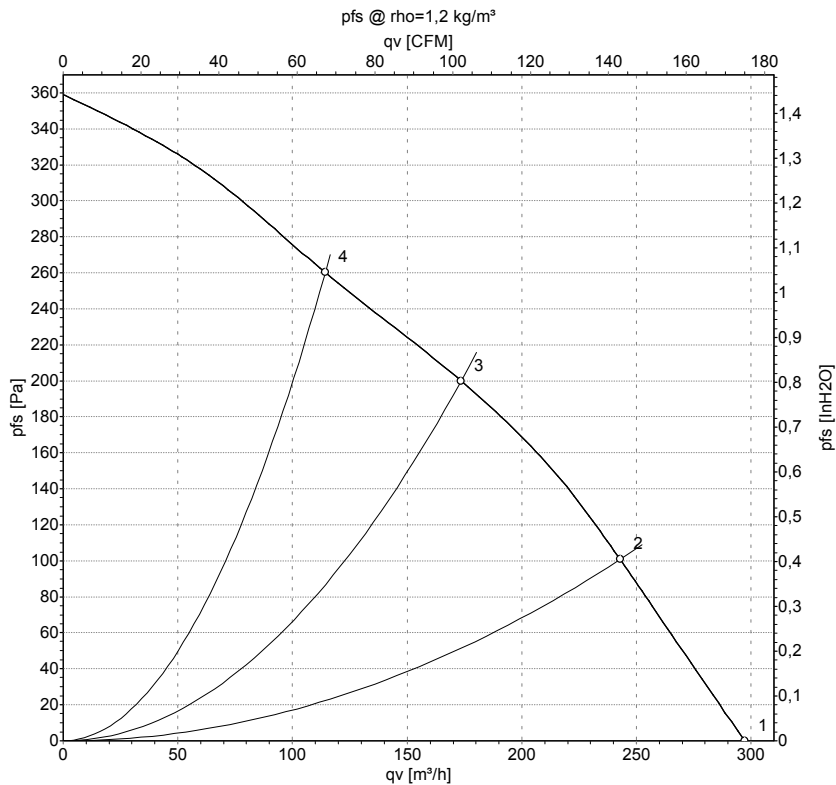
Connection screen



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |



Charts: Air flow 50 Hz



Measurement: LU-72405

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 _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	1200	77	0.34	295	0
2	230	50	1495	75	0.33	245	100
3	230	50	1955	72	0.31	175	200
4	230	50	2225	69	0.30	115	260

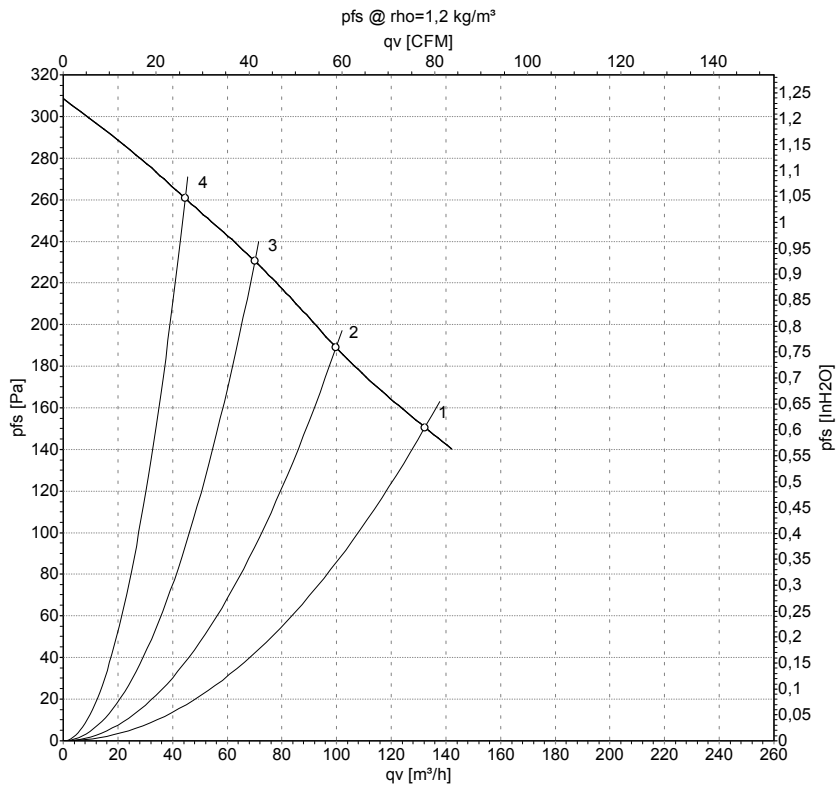
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



AC centrifugal fan

forward curved

Charts: Air flow 60 Hz



Measurement: LU-72406

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	m³/h	Pa
1	230	60	1800	75	0.33	130	150
2	230	60	1915	75	0.33	100	190
3	230	60	2050	75	0.33	70	230
4	230	60	2140	75	0.33	45	260

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

