

R2E220-AB08-50 ebmpapst Datasheet

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Nominal data

Type	R2E220-AB08-50			
Motor	M2E068-CF			
Phase		1~	1~	1~
Nominal voltage	VAC	115	115	115
Frequency	Hz	50	60	60
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	CE	UL 2111
Speed	min ⁻¹	2750	3050	3050
Power input	W	93	125	130
Current draw	A	0.8	1.1	1.15
Motor capacitor	µF	10	10	10
Capacitor voltage	VDB	220	220	220
Capacitor standard		P0 (CE)	P0 (CE)	UL
Min. back pressure	Pa	0	0	0
Max. ambient temperature	°C	50	55	55

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

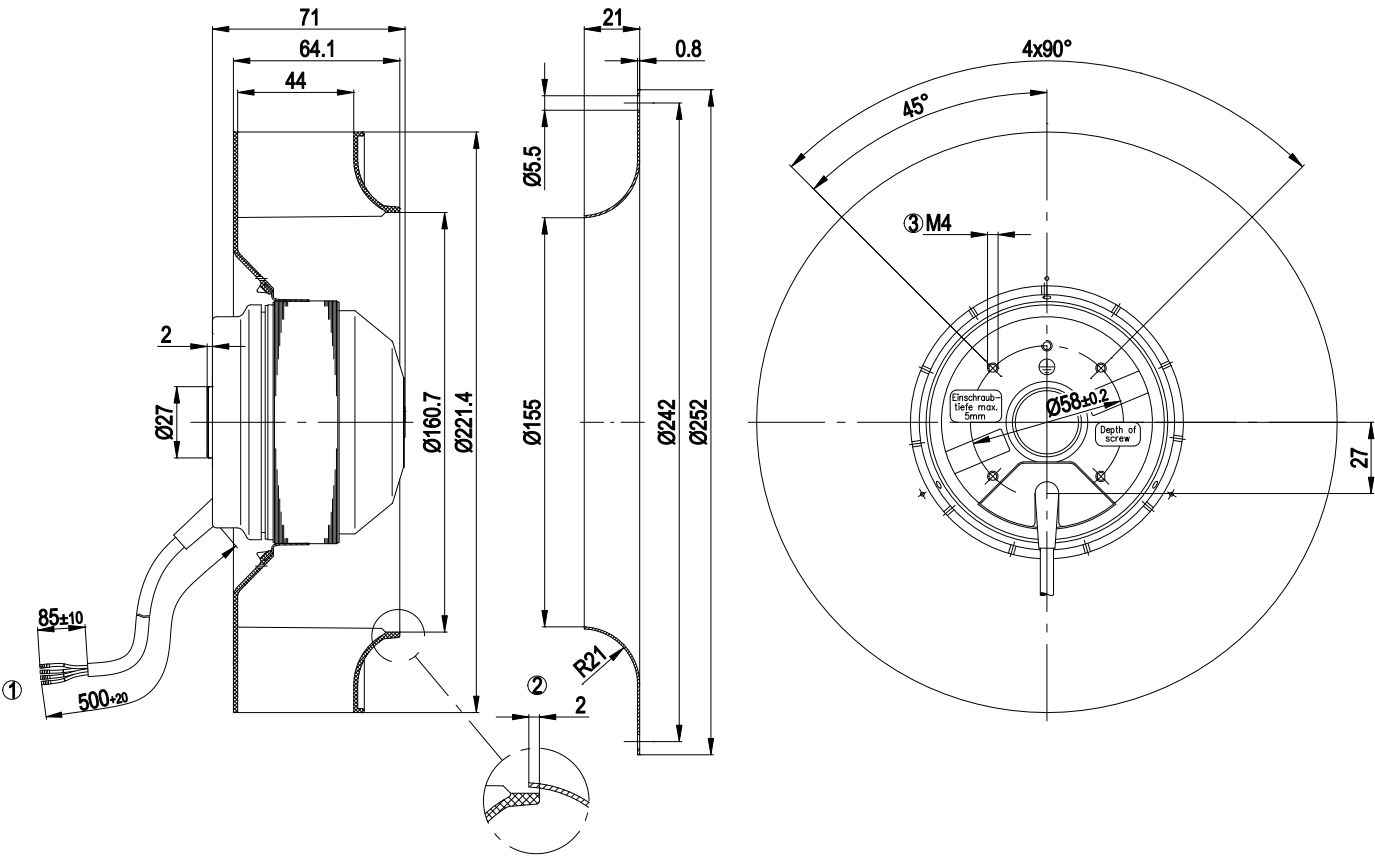


Technical features

Mass	1.5 kg
Size	220 mm
Surface of rotor	Coated in black
Material of impeller	Plastic PA6, fibreglass-reinforced
Number of blades	11
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44
Insulation class	"F"
Humidity class	F1-2
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 bottom; rotor on top on request
Condensate discharge holes	Rotor-side
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	UL 2111; CSA C22.2 Nr.77

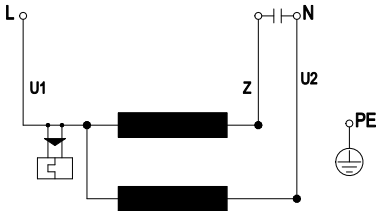


Product drawing



- | | |
|---|---|
| 1 | Connection line PVC, 4x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 09609-2-4013, not included in the standard scope of delivery |
| 3 | Depth of screw max. 5 mm |

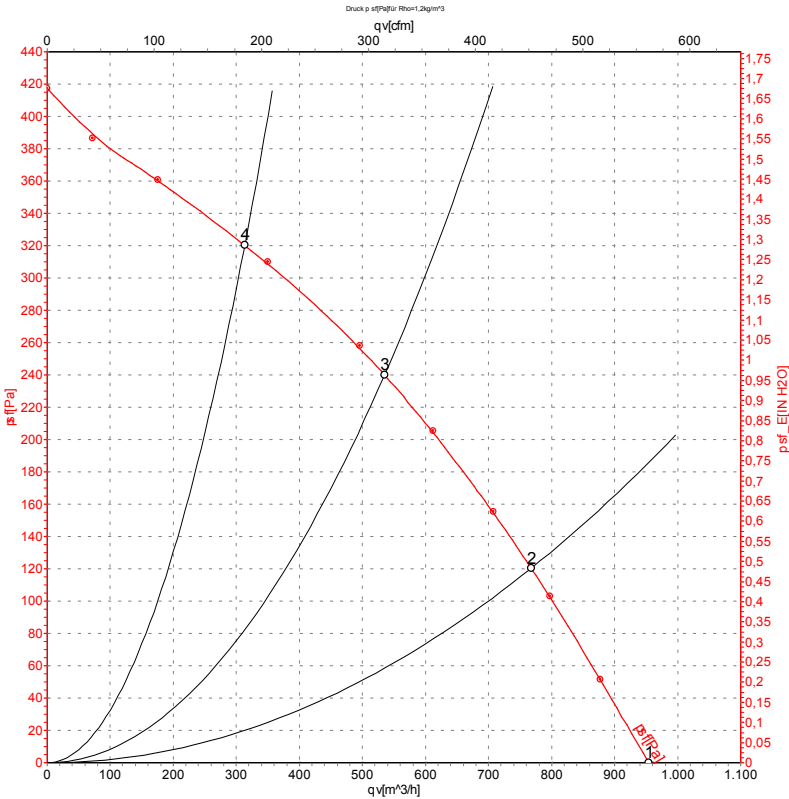
Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				



Charts: Air flow 50 Hz

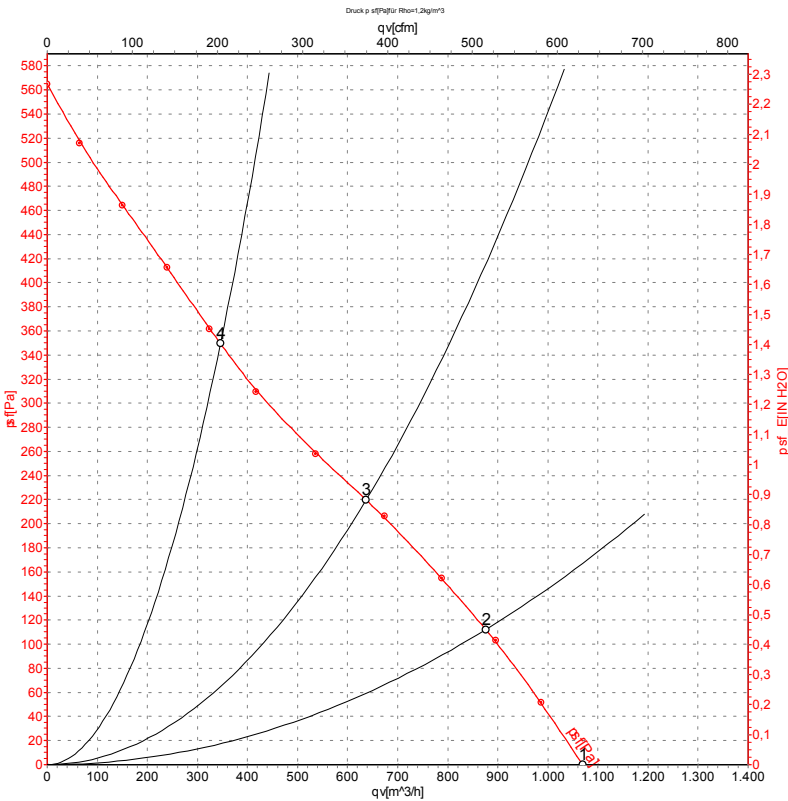


Measured values

	U	f	n	P _e	I	L _{pA_{in}}	L _{wA_{in}}	q _v	P _{sf}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa
1	115	50	2750	93	0.80	65	74	955	0
2	115	50	2645	105	0.92	62	71	770	120
3	115	50	2560	115	1.01	58	67	535	240
4	115	50	2595	107	0.94	62	71	315	320



Charts: Air flow 60 Hz



Measurement: LU-32991

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	LpA _{in}	LwA _{in}	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m ³ /h	Pa
1	115	60	3050	125	1.10	67	76	1070	0
2	115	60	2900	139	1.21	63	72	875	110
3	115	60	2675	153	1.34	58	67	635	220
4	115	60	2750	148	1.29	62	71	345	350

