

R2E225-BE51-21 ebmpapst Datasheet

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Nominal data

Type	R2E225-BE51-21		
Motor	M2E068-EC		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	60	60
Type of data definition		fa	fa
Valid for approval / standard		CE	UL 2111
Speed	min ⁻¹	3000	3000
Power input	W	185	215
Current draw	A	1.62	1.8
Motor capacitor	μF	20	20
Capacitor voltage	VDB	220	220
Min. back pressure	Pa	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	55	55
Starting current	A	2.75	

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



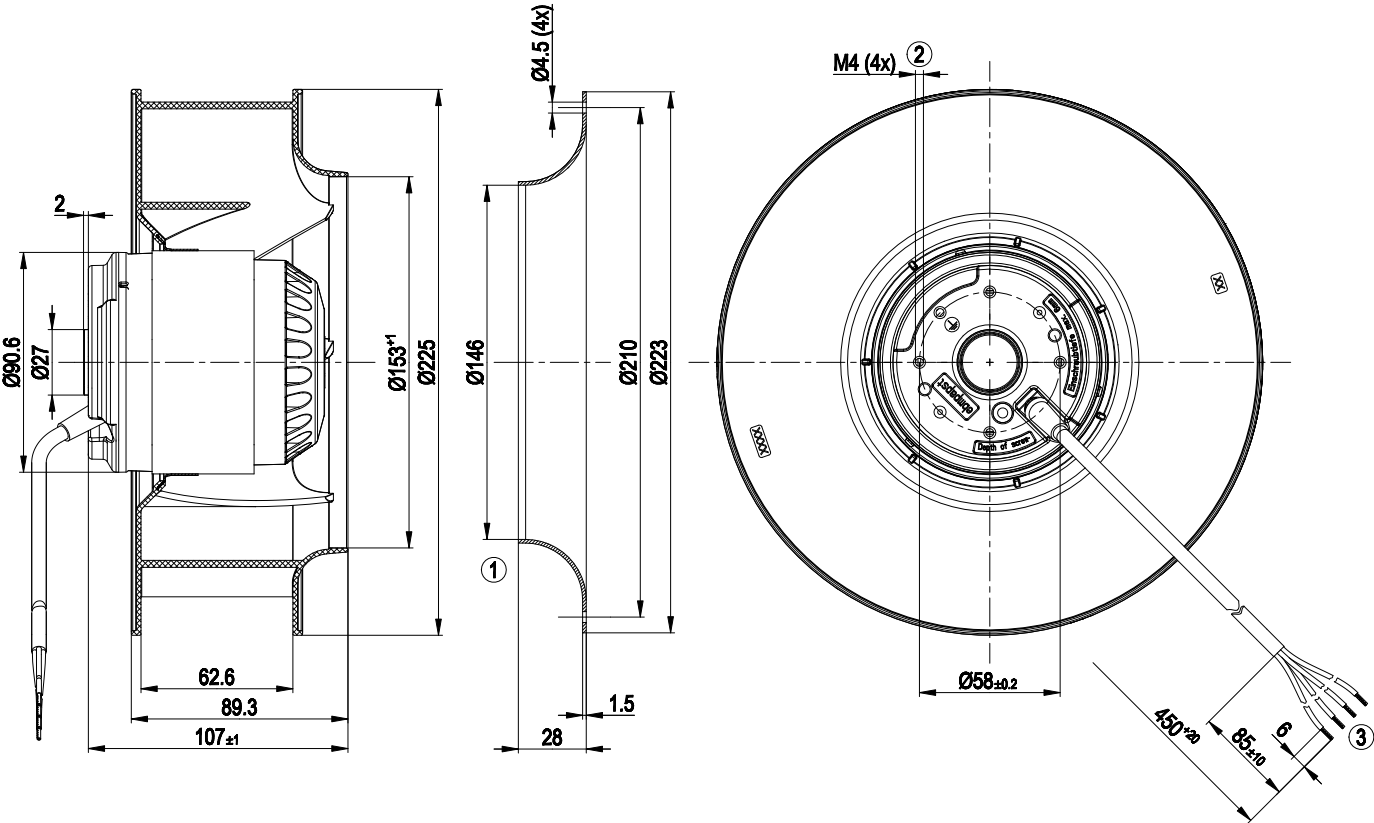
Technical features

Mass	2.8 kg
Size	225 mm
Surface of rotor	Uncoated
Material of impeller	PA plastic
Number of blades	7
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F0
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
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
Approval	UL 2111; CSA C22.2 Nr.77

AC centrifugal fan

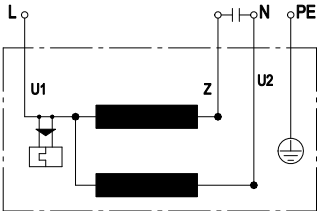
backward curved

Product drawing



- | | |
|---|---|
| 1 | Accessory part: Inlet nozzle 96358-2-4013, not included in the standard scope of delivery |
| 2 | Depth of screw max. 6 mm |
| 3 | Connection line PVC 4G AWG20, 4x brass lead tips crimped |

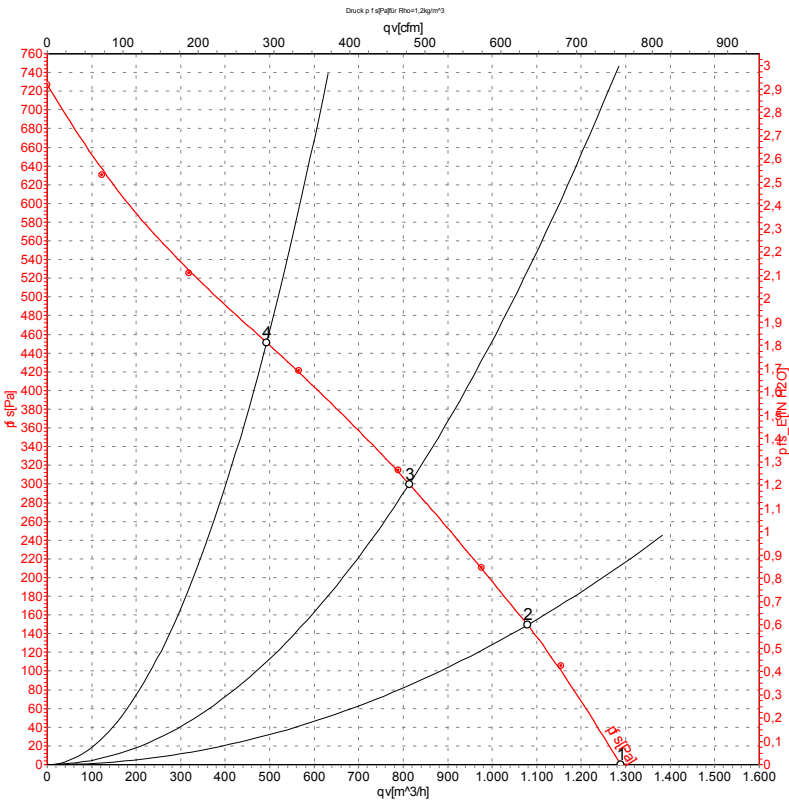
Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				



Charts: Air flow 60 Hz



Measurement: LU-53226

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 _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	60	3000	185	1.62	1290	0
2	115	60	2925	197	1.73	1080	150
3	115	60	2865	205	1.80	815	300
4	115	60	2915	198	1.74	495	450

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

