R2E225-BE47-09

AC centrifugal fan

backward curved

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Nominal data

Type	**R2E225-BE47-09**		
Motor	**M2E068-EC**		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	60	60
Type of data definition		-	fa
Valid for approval / standard		UL	CE
Speed	min^{-1}	2880	3000
Power input	W	215	185
Current draw	A		0.81
Motor capacitor	µF	5	5
Capacitor voltage	VDB	400	400
Capacitor standard		UL	-
Min. back pressure	Pa		0
Max. ambient temperature	°C	-	40

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

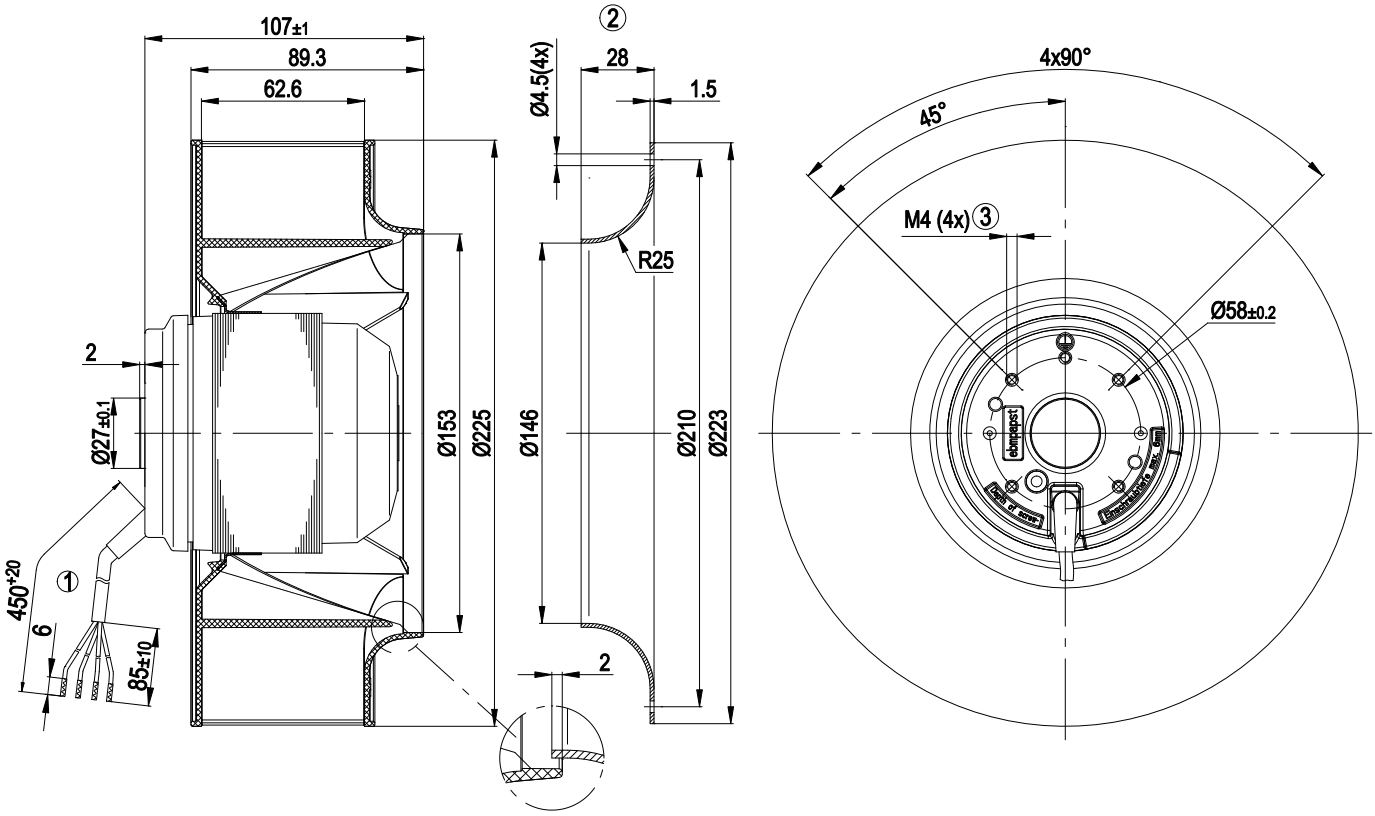
Mass	2.8 kg
Size	225 mm
Material of impeller	Plastic PA6, fibreglass-reinforced
Number of blades	7
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F0
Max. permissible ambient motor temp. (transp./ storage)	+ 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	CE
Approval	UL 2111; CSA C22.2 Nr.77

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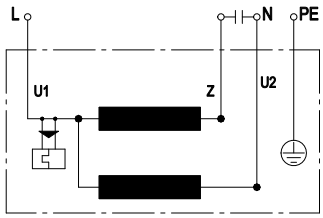
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Product drawing



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

Connection screen



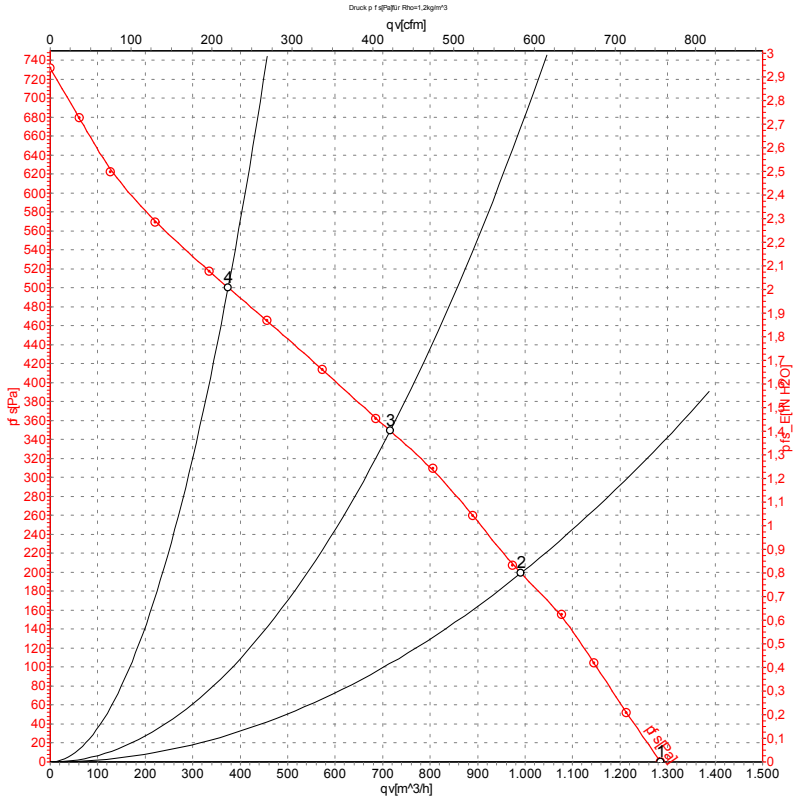
U1	blue	Z	brown	U2	black
PE	green/yellow				

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Charts: Air flow 60 Hz



Measurement: LU-52658

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	60	3000	185	0.81	1285	0
2	230	60	2930	195	0.85	990	200
3	230	60	2845	208	0.90	715	350
4	230	60	2960	190	0.83	375	500

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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