

R2E225-AX52-05

# AC centrifugal fan

backward curved, single inlet



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## Nominal data

<b>Type</b>	R2E225-AX52-05		
<b>Motor</b>	M2E068-DF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min <sup>-1</sup>	2700	3000
Power input	W	115	165
Current draw	A	0.51	0.72
Motor capacitor	µF	3	3
Capacitor voltage	VDB	450	450
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	55	40

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

www.ventilatorry.ru



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## Technical features

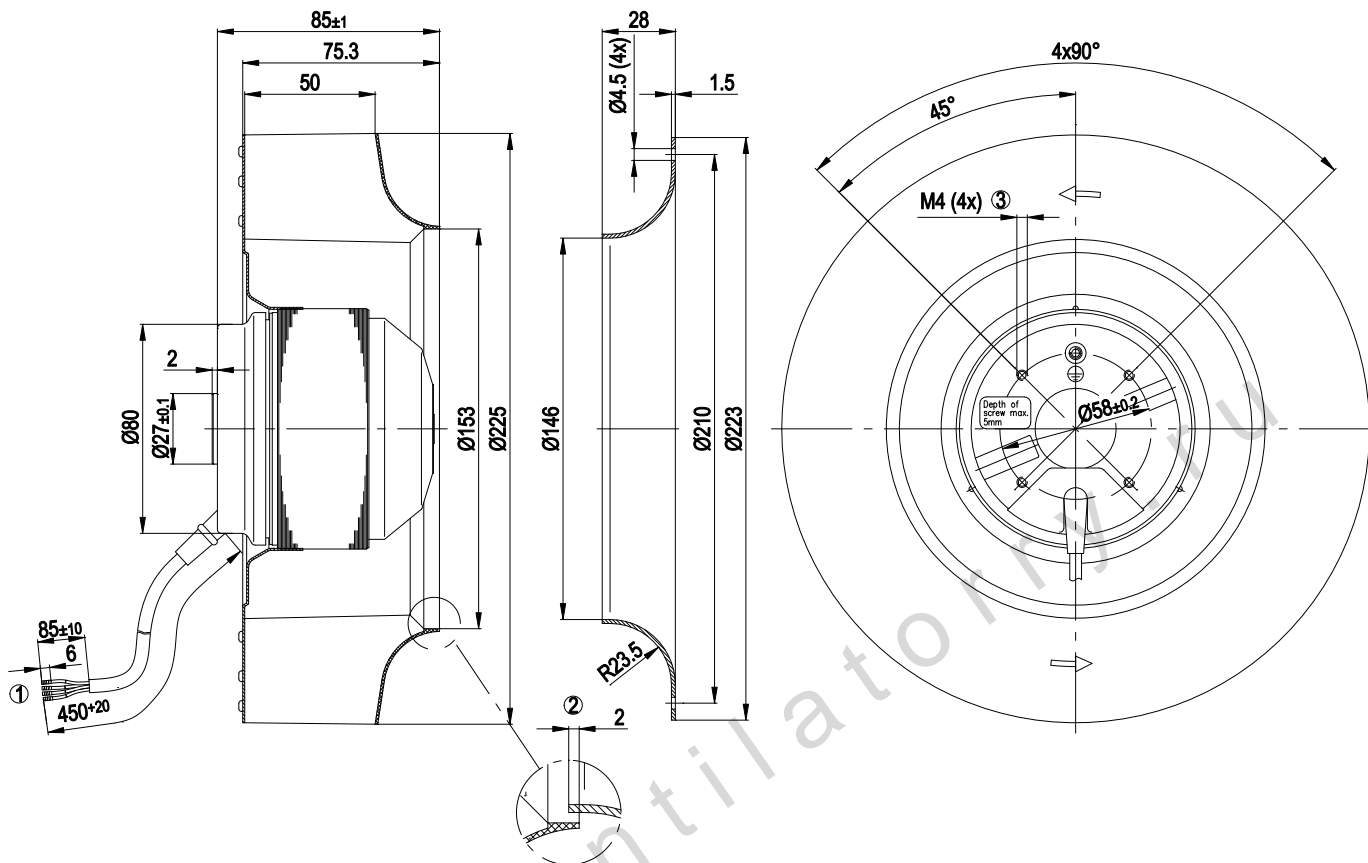
<b>Mass</b>	2.33 kg
<b>Size</b>	225 mm
<b>Surface of rotor</b>	Coated in black
<b>Material of impeller</b>	PA plastic 6, fibreglass-reinforced
<b>Number of blades</b>	11
<b>Direction of rotation</b>	Clockwise, seen on rotor
<b>Type of protection</b>	IP 44; Depending on installation and position as per EN 60034-5
<b>Insulation class</b>	"B"
<b>Humidity class</b>	F1-2
<b>Max. permissible ambient motor temp. (transp./ storage)</b>	+ 80 °C
<b>Min. permissible ambient motor temp. (transp./storage)</b>	- 40 °C
<b>Mounting position</b>	Shaft horizontal or rotor on bottom; rotor on top on request
<b>Condensate discharge holes</b>	Rotor-side
<b>Operation mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Leakage current</b>	< 0.75 mA
<b>Motor protection</b>	Thermal overload protector (TOP) wired internally
<b>Cable exit</b>	Variable
<b>Protection class</b>	I (if protective earth is connected by customer)
<b>Product conforming to standard</b>	EN 60335-1; CE
<b>Approval</b>	CCC

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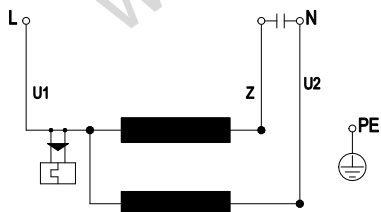
backward curved, single inlet

## Product drawing



- |   |   |
|---|---|
| 1 | Connection line PVC, 4x brass lead tips crimped   |
| 2 | Accessory part: Inlet nozzle 96358-2-4013, not included in the standard scope of delivery |
| 3 | Screw depth max. 5 mm   |

## Connection screen



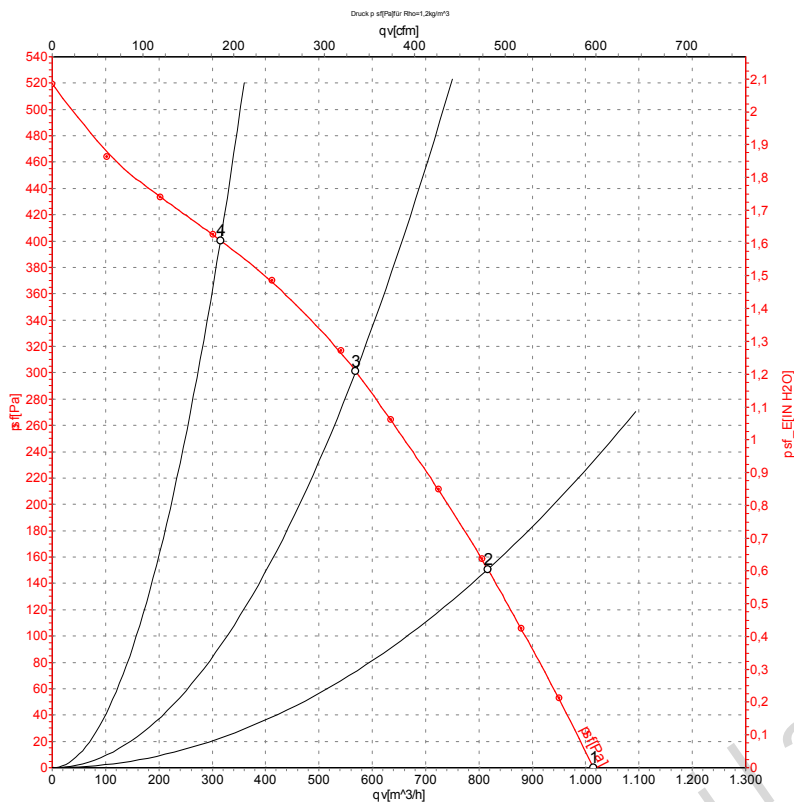
U1	blue	Z	brown	U2	black
PE	green/yellow				

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## Charts: Air flow 50 Hz



Measurement: LU-64393

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 <sub>e</sub>	I	qv	P <sub>sf</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	230	50	2700	115	0.51	1015	0
2	230	50	2610	132	0.58	815	151
3	230	50	2585	136	0.60	570	302
4	230	50	2670	119	0.52	315	400

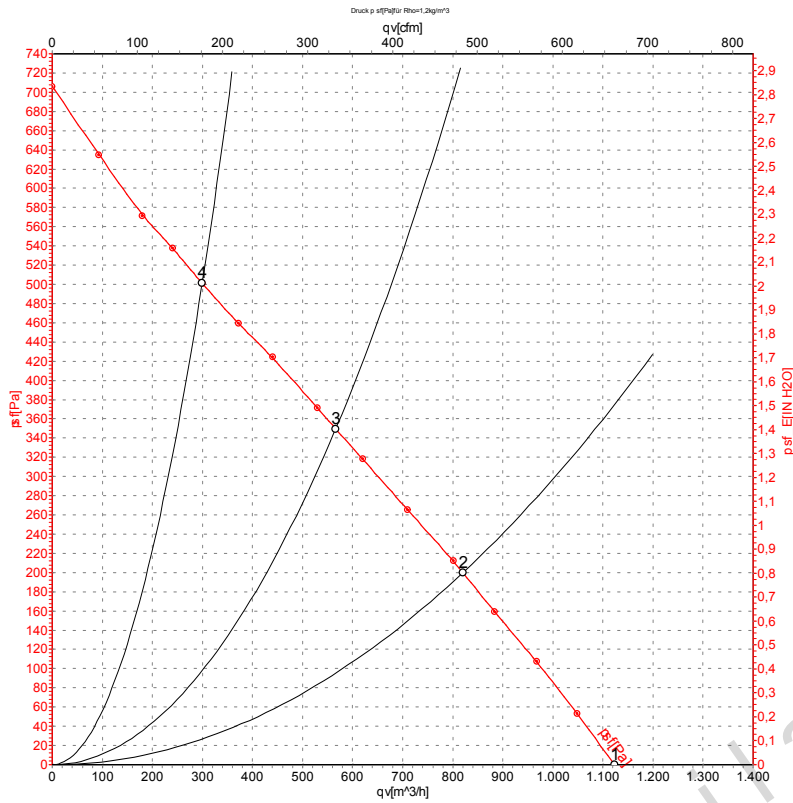


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## Charts: Air flow 60 Hz



Measurement: LU-64394

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<sub>wA</sub> measured as per ISO 13347 / L<sub>pA</sub> 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 <sub>e</sub>	I	qv	P <sub>sf</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	230	60	3000	165	0.72	1120	0
2	230	60	2750	188	0.82	820	200
3	230	60	2720	191	0.83	565	350
4	230	60	2975	164	0.72	300	501

