

Nominal data

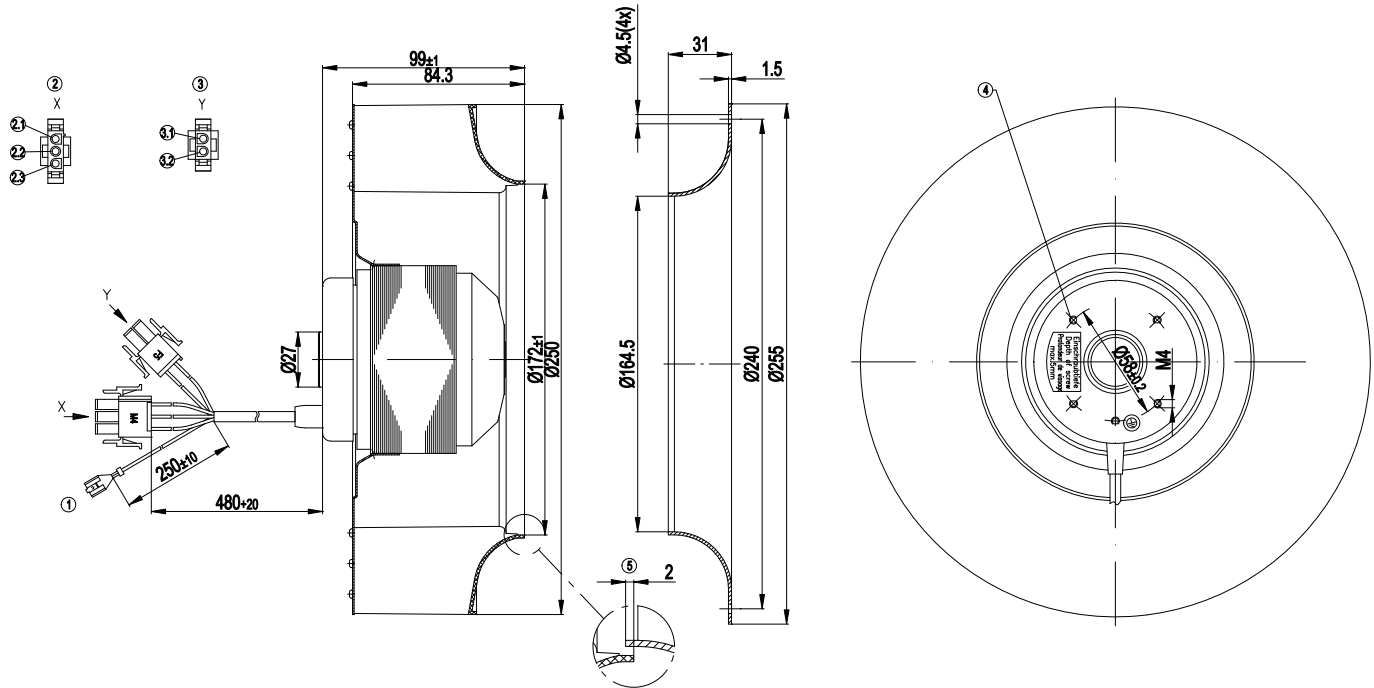
Type	R2D250-AF10-11			
Motor	M2D068-EC			
Phase		3~	3~	3~
Nominal voltage	VAC	400	460	460
Connection		Y	Y	Y
Frequency	Hz	50	60	60
Type of data definition		rfa	rfa	rfa
Valid for approval / standard		CE	CE	UL
Speed	min ⁻¹	2600	3000	3000
Power input	W	160	245	255
Current draw	A	0.26	0.33	
Min. back pressure	Pa	0	0	0
Max. ambient temperature	°C	60	35	35

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

Technical features

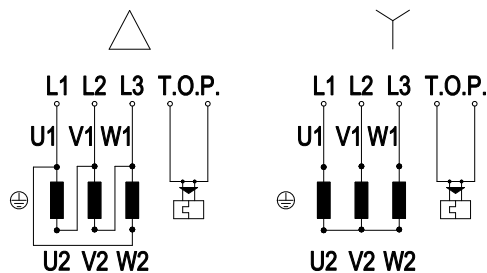
Leakage current	< 0.75 mA
Size	250 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F5
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	3 kg
Material of impeller	Plastic PA66, fibreglass-reinforced
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	11
Type of protection	IP 44
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; CSA C22.2 Nr.100; UL 1004-1

Product drawing



1	green/yellow
2	Connector housing AMP, Universal Mate-N-Lok, 350779-4
2.1	brown
2.2	blue
2.3	black
3	Connector housing AMP, Universal Mate-N-Lok, 350 777-4
3.1	grey
3.2	grey
4	Depth of screw max. 5 mm
5	Accessory part: Inlet nozzle 96359-2-4013, not included in the standard scope of delivery

Connection screen

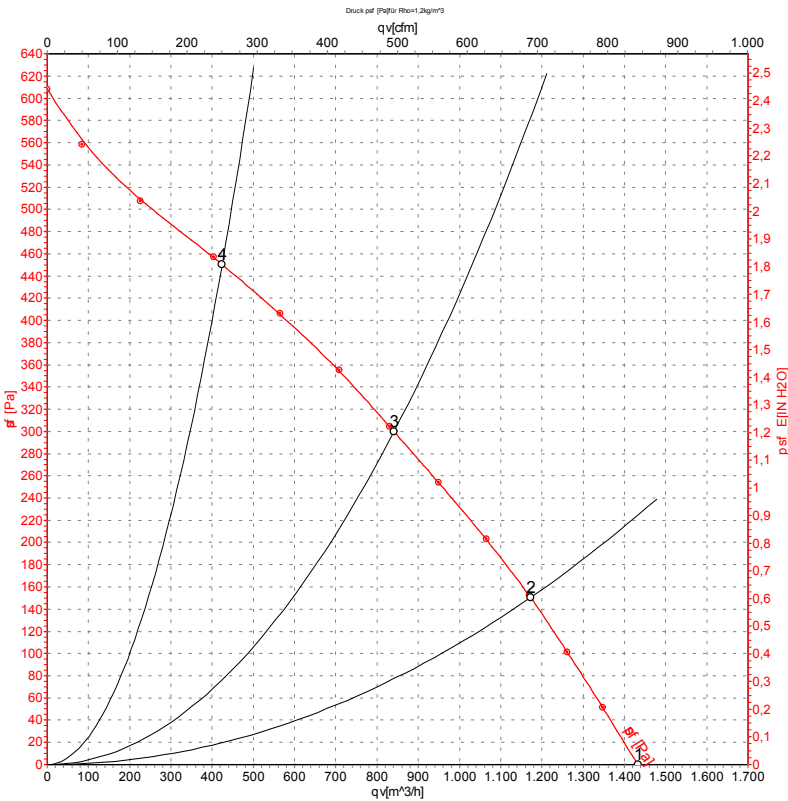


Note: Direction of rotation changes when two phases are reversed

Δ	Delta-connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
U2	blue	W1	brown	U2	green
V2	white	W2	yellow	TOP	grey



Charts: Air flow 50 Hz



Measurement: LU-45225

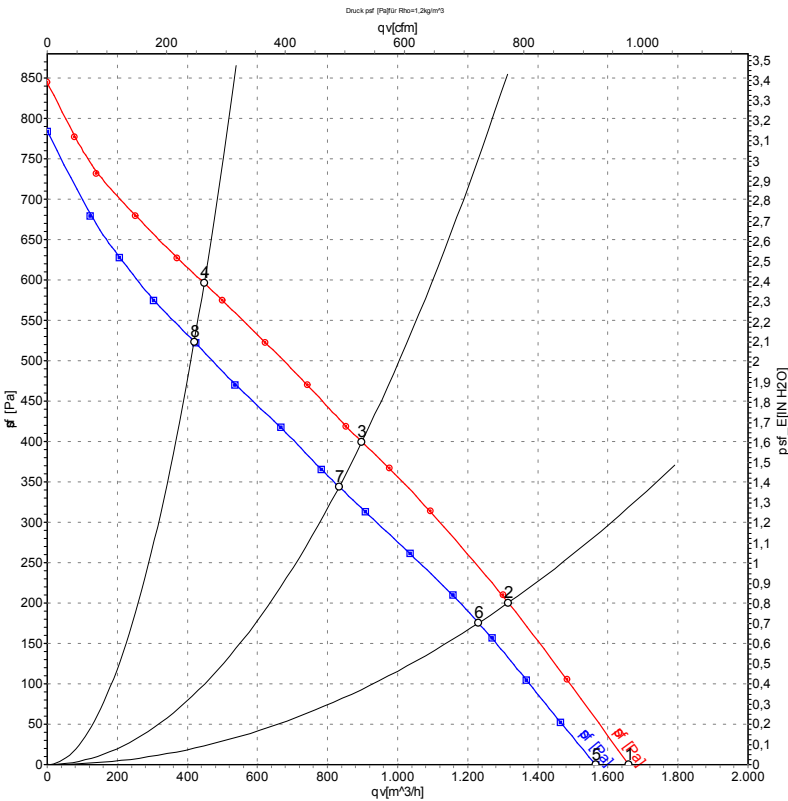
Air performance measured as per ISO 5801 Installation Category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{wA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions 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 _{st}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	400	50	2600	160	0.26	1435	0
2	400	50	2530	192	0.31	1170	150
3	400	50	2445	217	0.35	840	300
4	400	50	2550	184	0.30	425	450



Charts: Air flow 60 Hz



Measurement: LU-55353
Measurement: LU-55352

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 _{st}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	460	60	3000	245	0.33	1660	0
2	460	60	2845	295	0.40	1315	200
3	460	60	2730	326	0.44	900	400
4	460	60	2895	276	0.38	450	600
5	400	60	2860	228	0.36	1565	0
6	400	60	2665	269	0.42	1230	175
7	400	60	2535	291	0.45	835	344
8	400	60	2700	253	0.39	420	524

