R2D225-AT26-10

AC centrifugal fan

backward curved, single inlet

ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court Stuttgart · HRB 590142

Nominal data

Type	**R2D225-AT26-10**
Motor	**M2D068-DF**

Phase		3~	3~	3~
Nominal voltage	VAC	230	400	460
Connection		Δ	Y	Y
Frequency	Hz	50	50	60
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	CE	CE
Speed (rpm)	min^{-1}	2750	2750	3200
Power input	W	90	90	135
Current draw	A	0.35	0.2	0.22
Min. back pressure	Pa	0	0	0
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	60	60	60

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

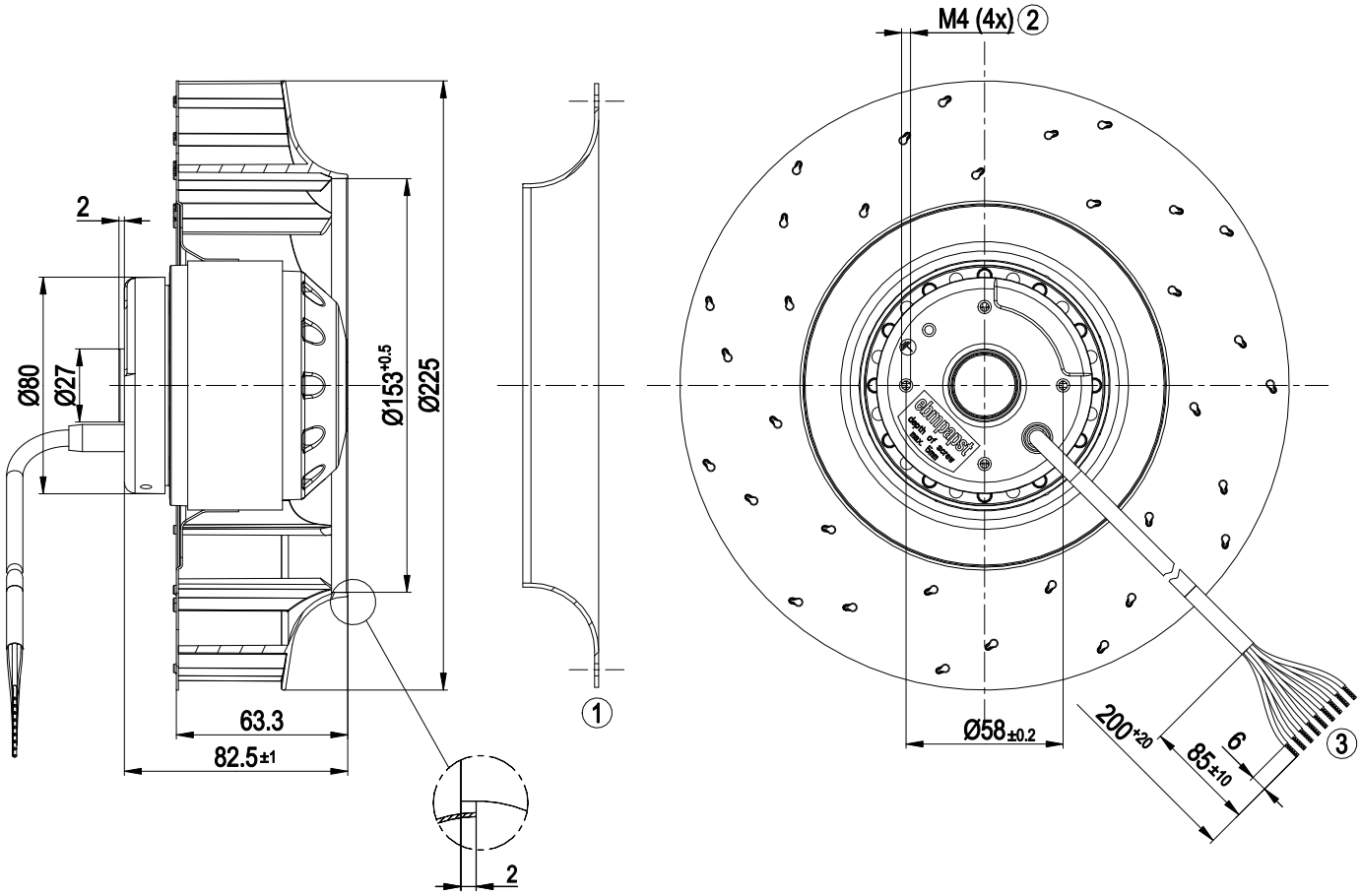
Mass	2 kg
Size	225 mm
Surface of rotor	Coated in black
Material of impeller	PA plastic
Number of blades	11
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"F"
Humidity (F)/environmental protection class (H)	F2-2
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
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) brought out, basic insulation
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	CE

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Product drawing



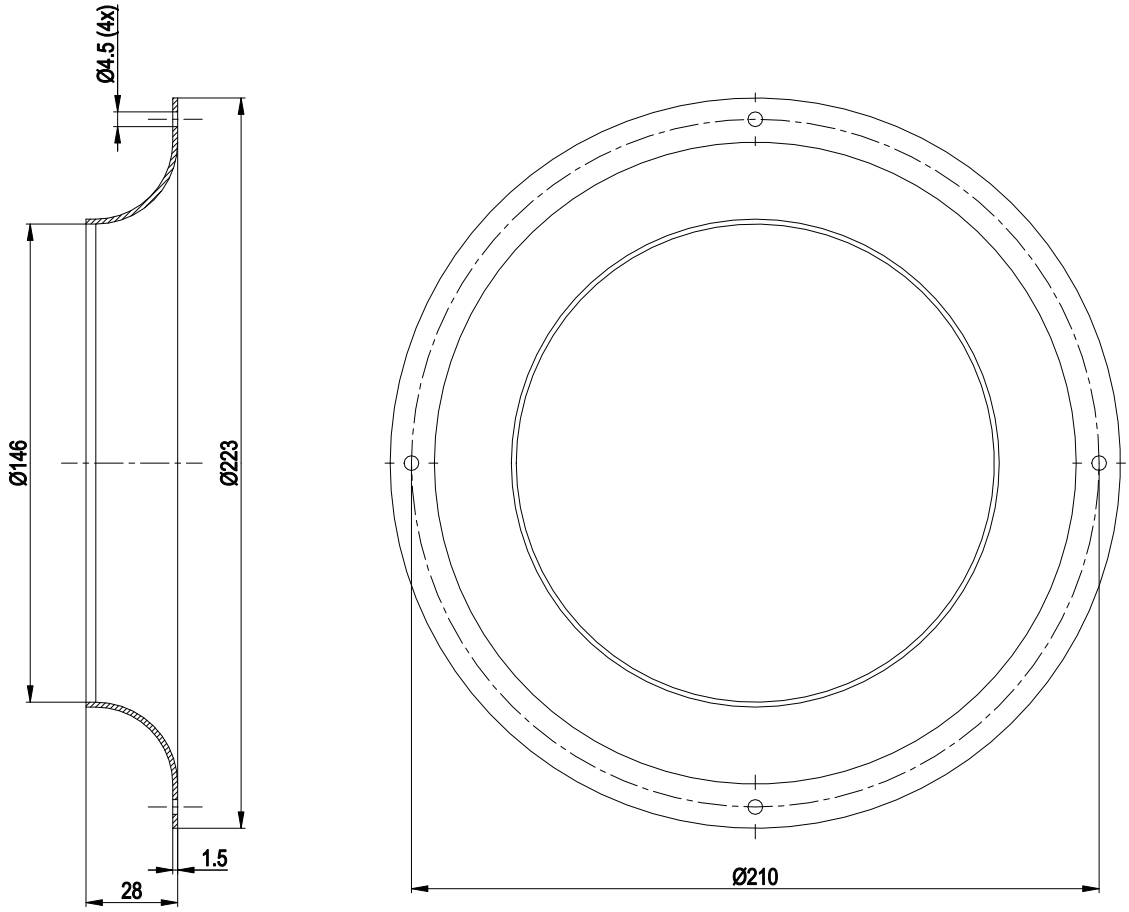
1	Accessory part: Inlet nozzle 96358-2-4013, not included in scope of delivery.
2	Thread reach max. 5 mm
3	Connection line halogen and silicone-free 9G 0.5 mm², 9x lead tips crimped

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Accessory part



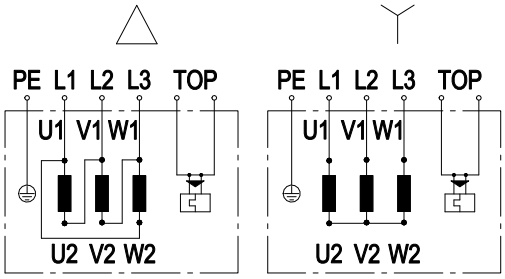
1	Accessory part: Inlet nozzle 96358-2-4013 not included in scope of delivery

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Connection screen



Note: Change in direction of rotation by reversing two phases

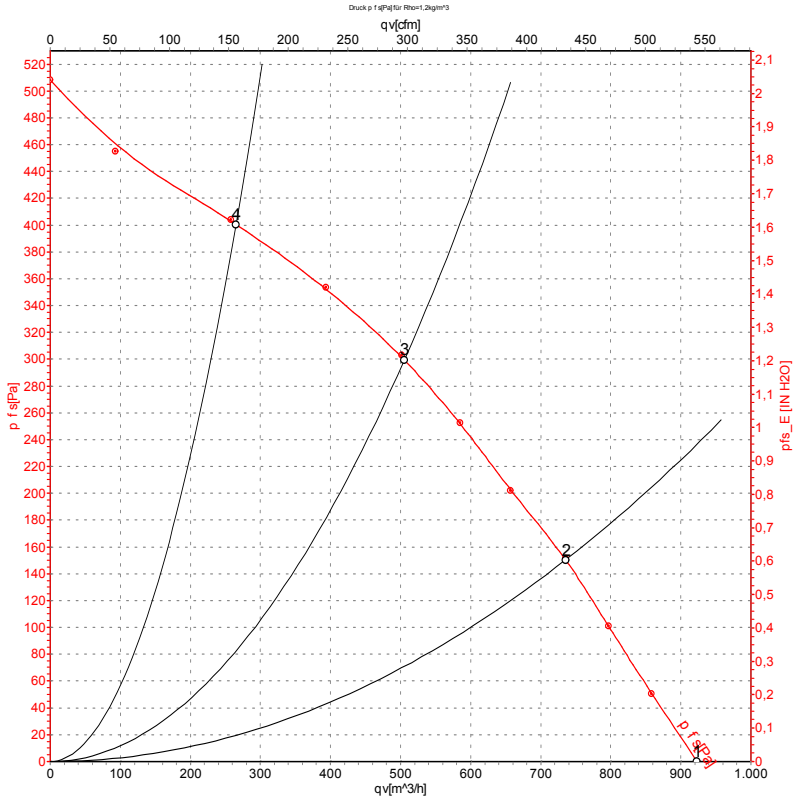
Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow	TOP	2xgrey
PE	green/yellow				

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Charts: Air flow 50 Hz



Measurement: LU-41669-1

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	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	400	50	2750	90	0.20	920	0	540	0.00
2	400	50	2690	108	0.22	735	152	435	0.61
3	400	50	2655	117	0.23	505	301	295	1.21
4	400	50	2720	100	0.21	265	401	155	1.61

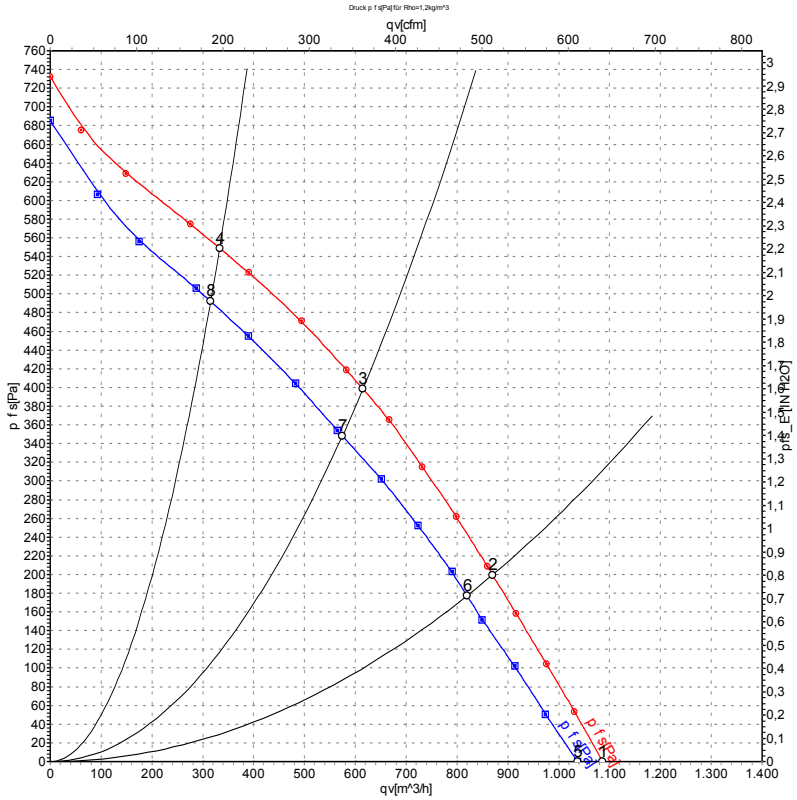
U = Supply voltage · f = Frequency · n = Speed (rpm) · P_e = Power input · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

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Charts: Air flow 60 Hz



Measurement: LU-40700-1
Measurement: LU-41670-1

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	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	460	60	3245	135	0.22	1090	0	640	0.00
2	460	60	3135	167	0.25	870	200	510	0.80
3	460	60	3090	180	0.27	615	399	360	1.60
4	460	60	3175	157	0.24	335	549	195	2.20
5	400	60	3100	130	0.21	1035	0	610	0.00
6	400	60	2980	156	0.26	820	177	485	0.71
7	400	60	2905	169	0.28	575	348	340	1.40
8	400	60	3015	148	0.24	315	492	185	1.98

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

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