A2D250-AA26-51

AC axial fan

straight blades (A series)

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Nominal data

Type	**A2D250-AA26-51**
Motor	**M2D068-DF**

Phase		1~	1~
Nominal voltage	VAC	400	400
Connection		Y	Y
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min^{-1}	2670	2900
Power input	W	125	175
Current draw	A	0.25	0.30
Max. back pressure	Pa	200	200
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	70	50

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

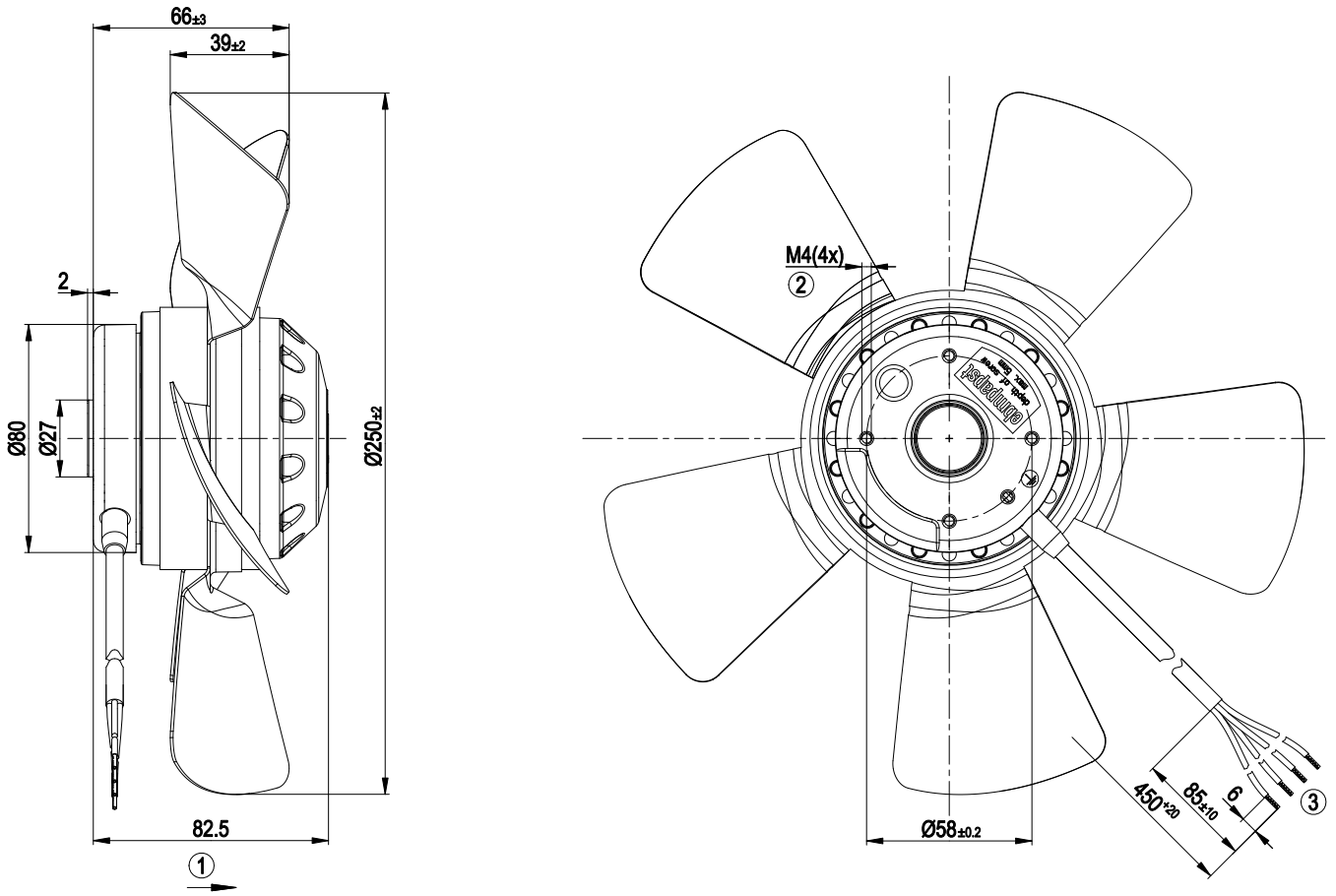
Mass	2.02 kg
Size	250 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity class	F1-2
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
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1

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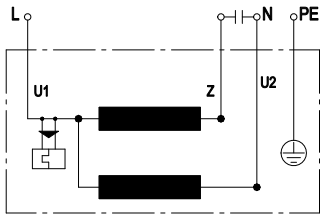
straight blades (A series)

Product drawing



1	Direction of air flow "A"
2	Depth of screw max. 5 mm
3	Connection line PVC 4G 0.5 mm², 4x brass lead tips crimped

Connection screen



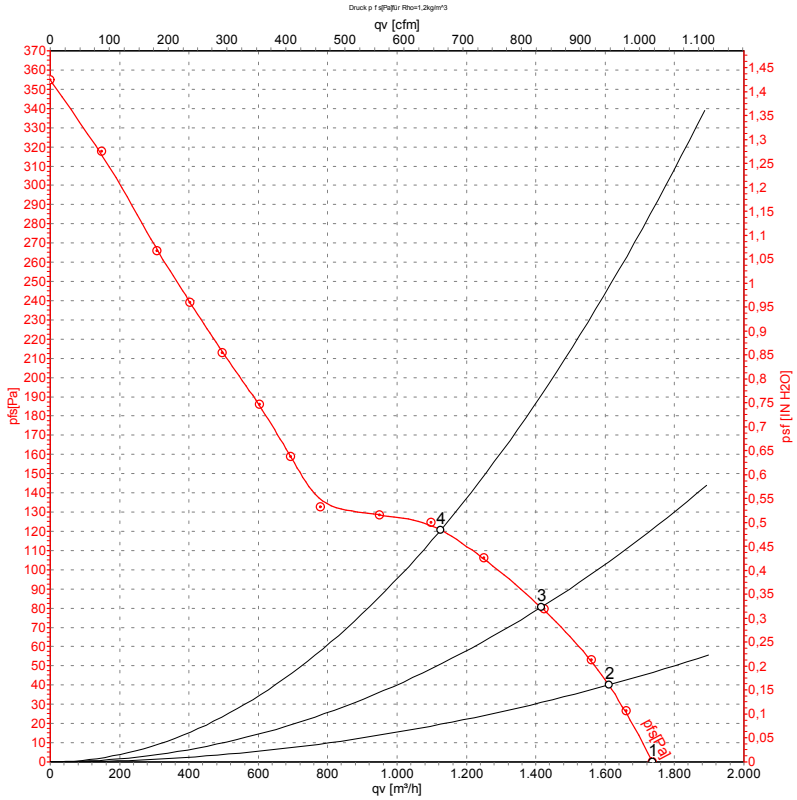
U1	blue	Z	brown	U2	black
PE	green/yellow				

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straight blades (A series)

Charts: Air flow 50 Hz



Measurement: LU-61000

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	400	50	2670	125	0.25	1735	0
2	400	50	2620	127	0.25	1610	40
3	400	50	2590	133	0.25	1415	80
4	400	50	2590	136	0.25	1125	120

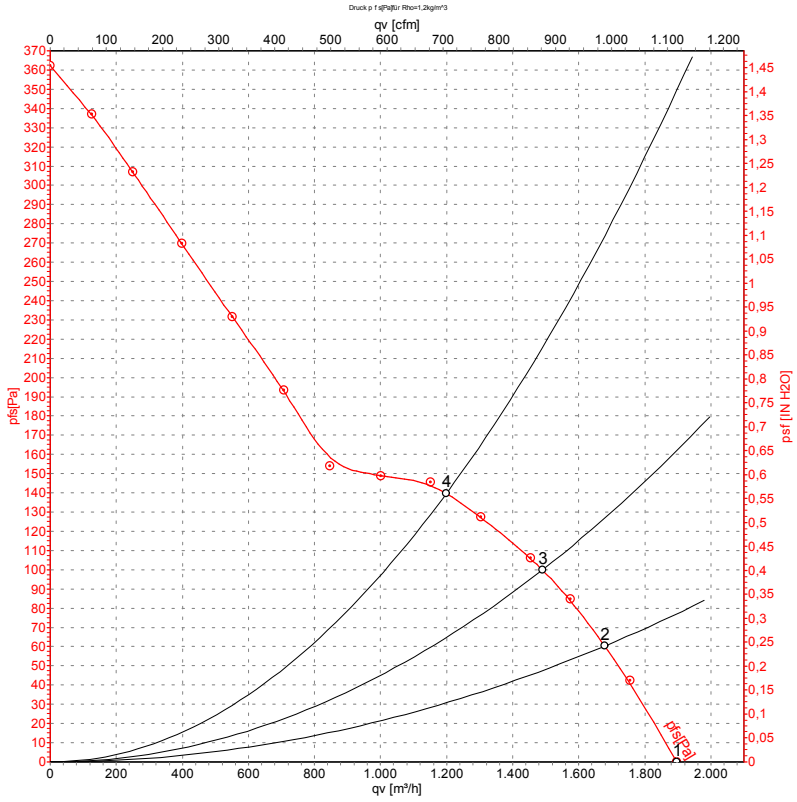
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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straight blades (A series)

Charts: Air flow 60 Hz



Measurement: LU-61001

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	400	60	2900	175	0.30	1895	0
2	400	60	2825	182	0.30	1680	60
3	400	60	2800	188	0.30	1490	100
4	400	60	2790	190	0.30	1200	140

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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