A2D250-AA06-52

AC axial fan

straight blades (A series)



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Nominal data

Type	**A2D250-AA06-52**
Motor	**M2D068-DF**

Phase		3~	3~
Nominal voltage	VAC	266	460
Connection		Δ	Y
Frequency	Hz	60	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min^{-1}	2900	2900
Power input	W	150	150
Current draw	A	0.38	0.22
Max. back pressure	Pa	125	125
Max. ambient temperature	°C	65	65

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

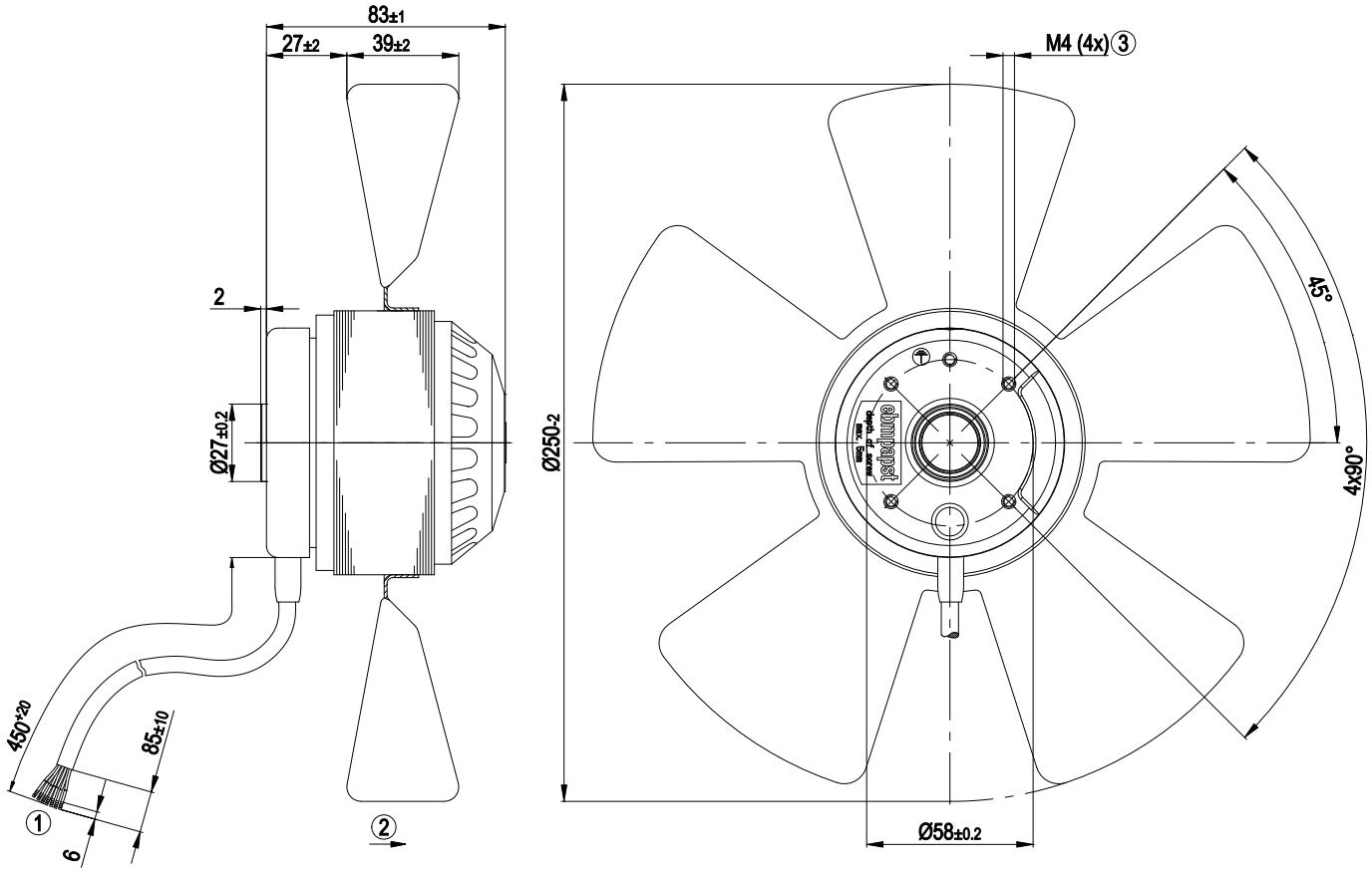
Mass	2.2 kg
Size	250 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F1-2
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 top; rotor on bottom on request
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) brought out
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	UL 1004-1; CSA C22.2 Nr.100

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Product drawing



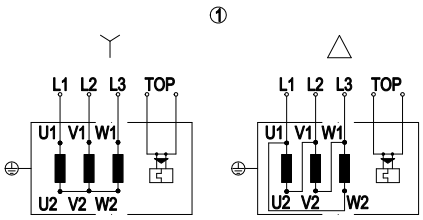
1	Connection line AWG20, 9 x brass lead tips crimped
2	Direction of air flow "A"
3	Depth of screw max. 5 mm

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Connection screen



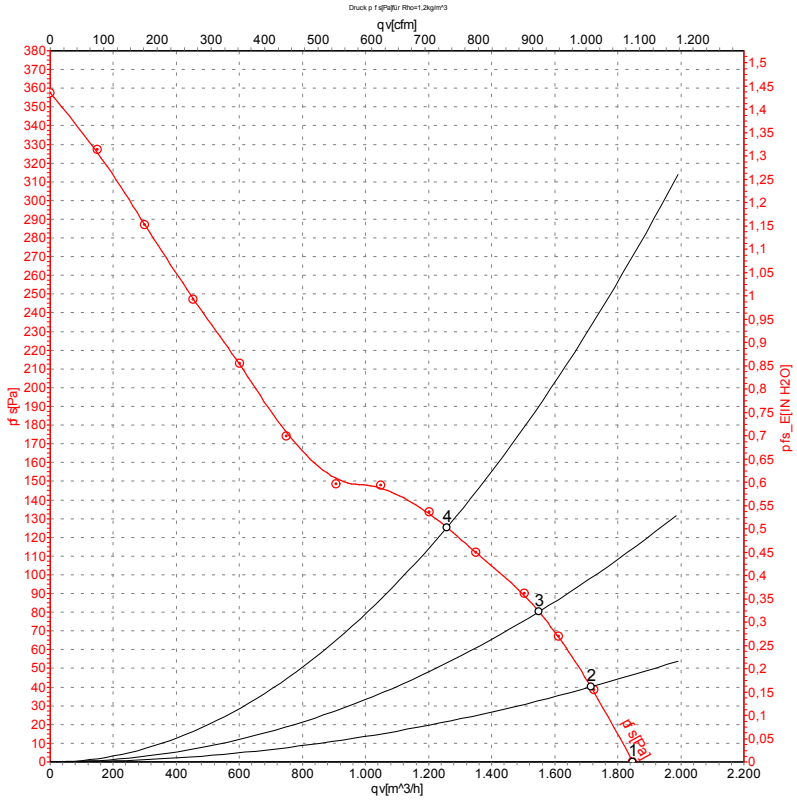
1	Three-phase motor
Y	Star connection
Δ	Delta connection
L1	= U1 = black 2
L2	= V1 = black 1
L3	= W1 = black 3
V2	= black4
U2	= black5
W2	= black6
TOP	(Thermal overload protector) 2x yellow

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Charts: Air flow 60 Hz



Measurement: LU-110509

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

	Conn.	U	f	n	P_e	I	qv	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa
1	Y	460	60	2900	150	0.22	1850	0
2	Y	460	60	2835	160	0.23	1715	40
3	Y	460	60	2800	166	0.23	1550	80
4	Y	460	60	2765	172	0.24	1260	125

Conn. = Connection · 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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