A2D250-AA06-44

AC axial fan

straight blades (A series)

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Nominal data

Type	**A2D250-AA06-44**		
Motor	**M2D068-DF**		
Phase		3~	3~
Nominal voltage	VAC	265	460
Wiring		Δ	Y
Frequency	Hz	60	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min^{-1}	2900	2900
Power consumption	W	150	150
Current draw	A	0.38	0.22
Max. back pressure	Pa	125	125
Max. back pressure	inH2O	0.5	0.5
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	65	65

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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Technical description

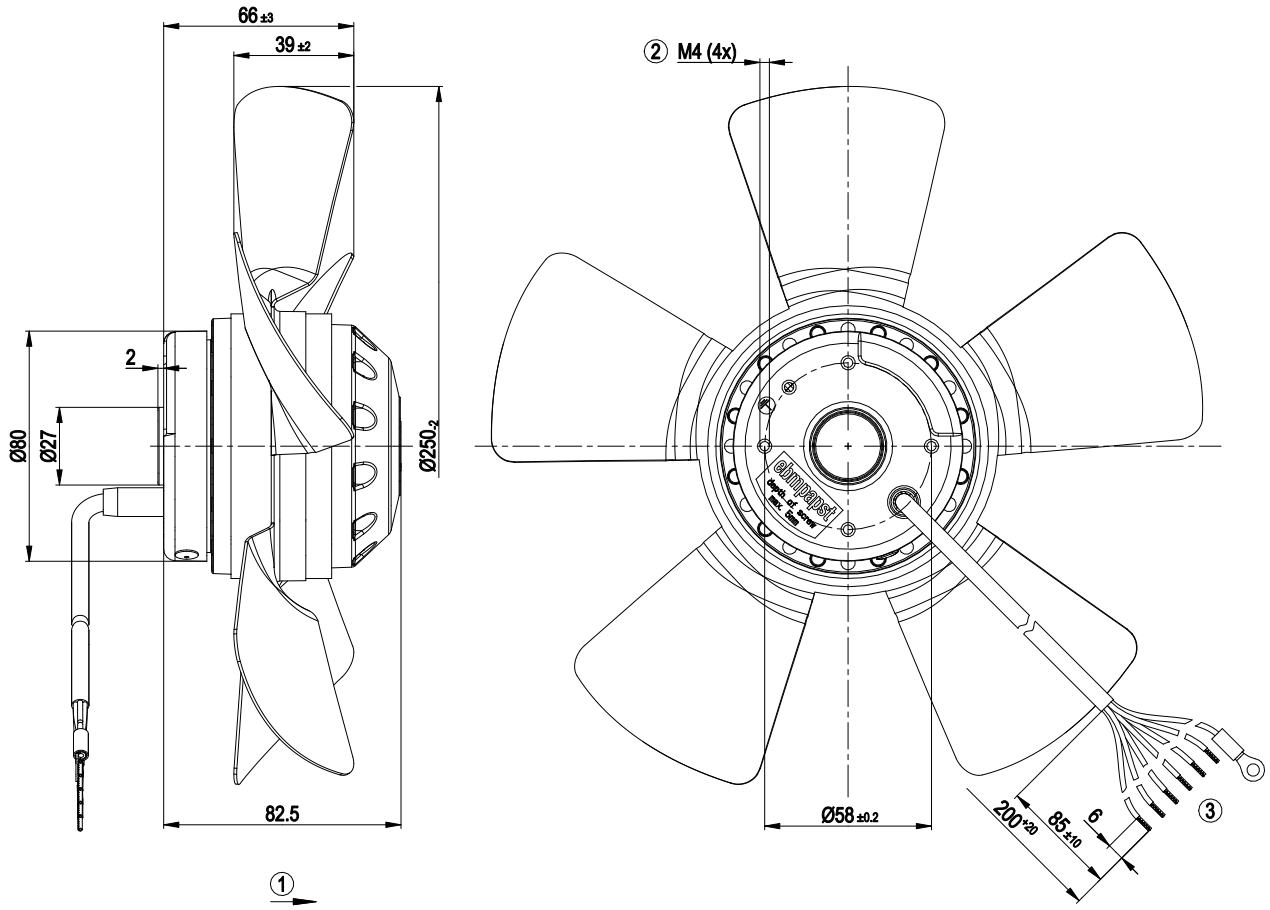
Weight	2.3 kg
Fan size	250 mm
Rotor surface	Painted black
Terminal box material	ABS plastic
Impeller material	Sheet steel, painted black
Number of blades	5
Airflow direction	"A"
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Shaft horizontal or rotor on top; rotor on bottom on request
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
With cable	Axial
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1

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Product drawing



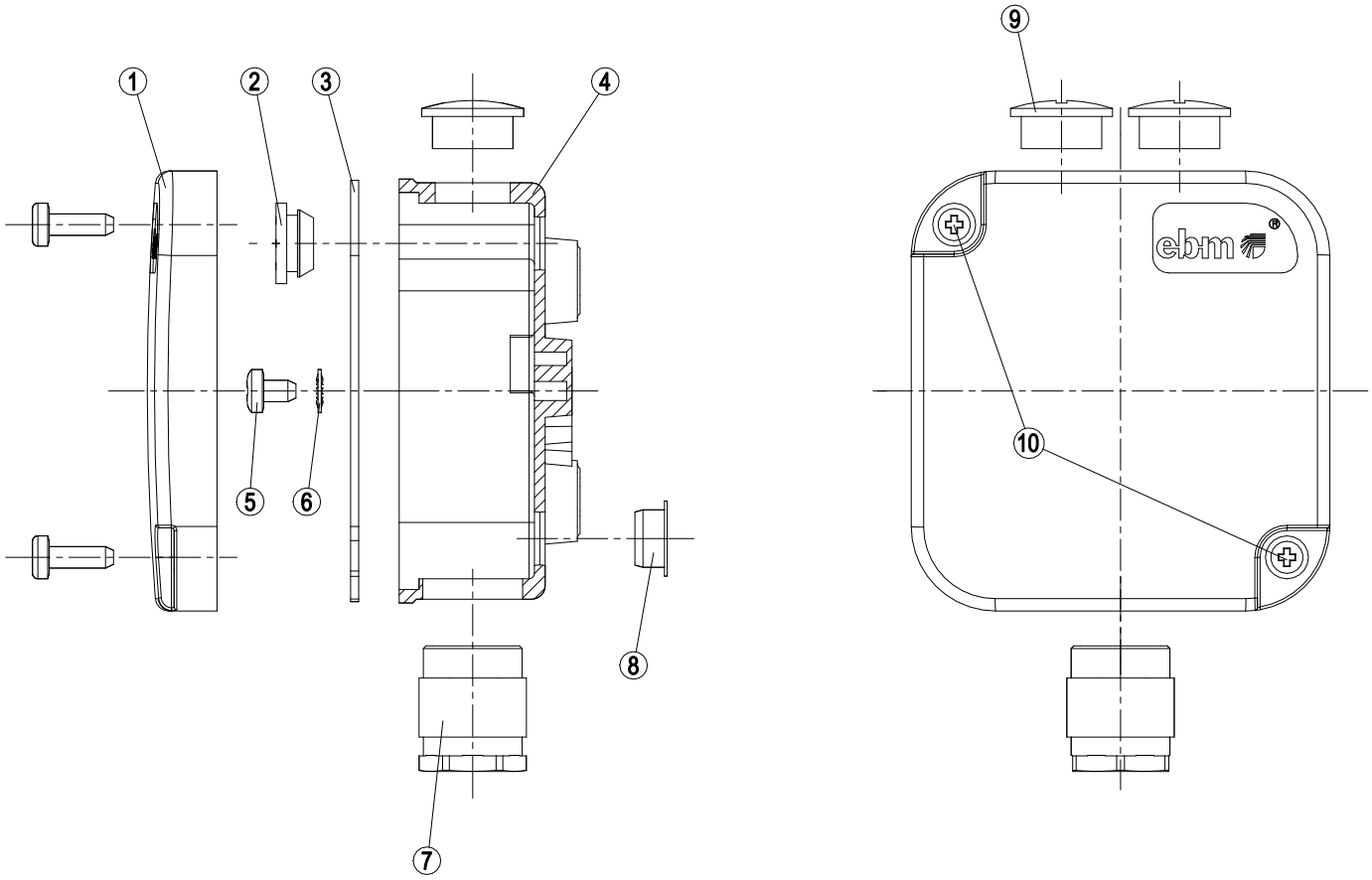
1	Direction of air flow "A"
2	Max. clearance for screw 5 mm
3	Cable PVC 7G 0.5 mm², 6x splice, 1x ring terminal Ø 4.3

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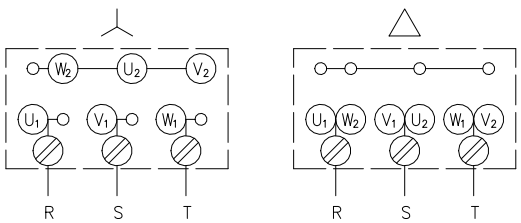
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Accessory part



	Accessory parts, included separately:
1	Terminal box cover
2	Grommet
3	Seal
4	Base of terminal box
5	Oval-head screw
6	Toothed lock washer
7	Cable gland, cable diameter min. 8 mm, max. 10 mm, tightening torque 1.3 ± 0.2 Nm
8	Stopper
9	Screw plugs (2x), tightening torque 1.3 ± 0.2 Nm
10	2x oval-head screws, tightening torque 1.3 ± 0.2 Nm

Connection diagram

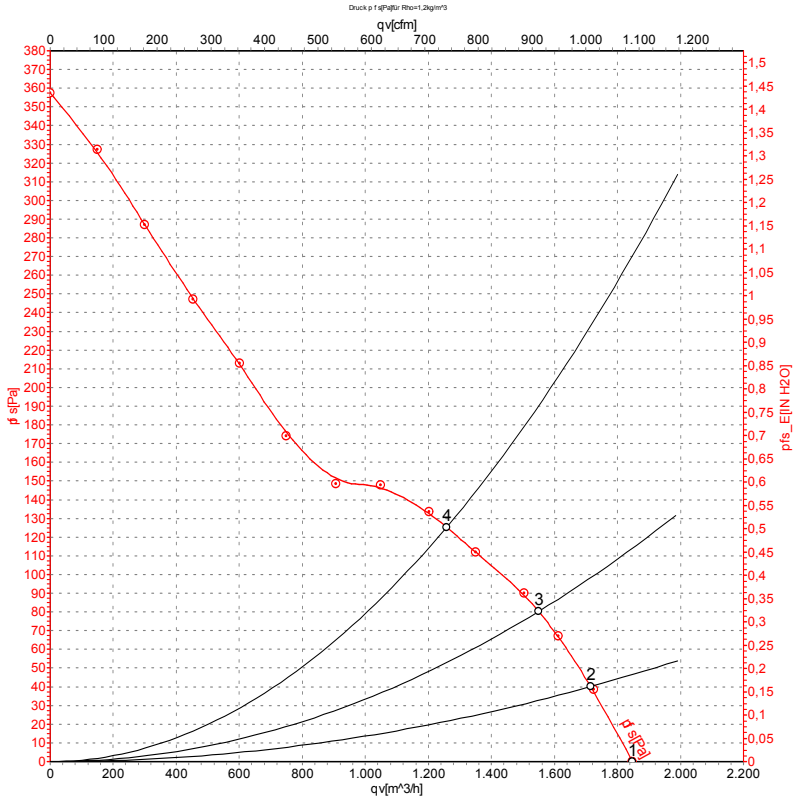


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Curves: Air performance 60 Hz



Measurement: LU-110509-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	Wired	U	f	n	P_e	I	qv	p_{fs}	qv	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	Y	460	60	2900	150	0.22	1850	0	1090	0.00
2	Y	460	60	2835	160	0.23	1715	40	1010	0.16
3	Y	460	60	2800	166	0.23	1550	80	910	0.32
4	Y	460	60	2765	172	0.24	1260	125	740	0.50

Wired = Wiring · U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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