A2D250-AA06-44

AC axial fan

straight blades (A series)

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	**A2D250-AA06-44**
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
Min. ambient temperature	°C	-25	-25
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

AC axial fan

straight blades (A series)

Technical features

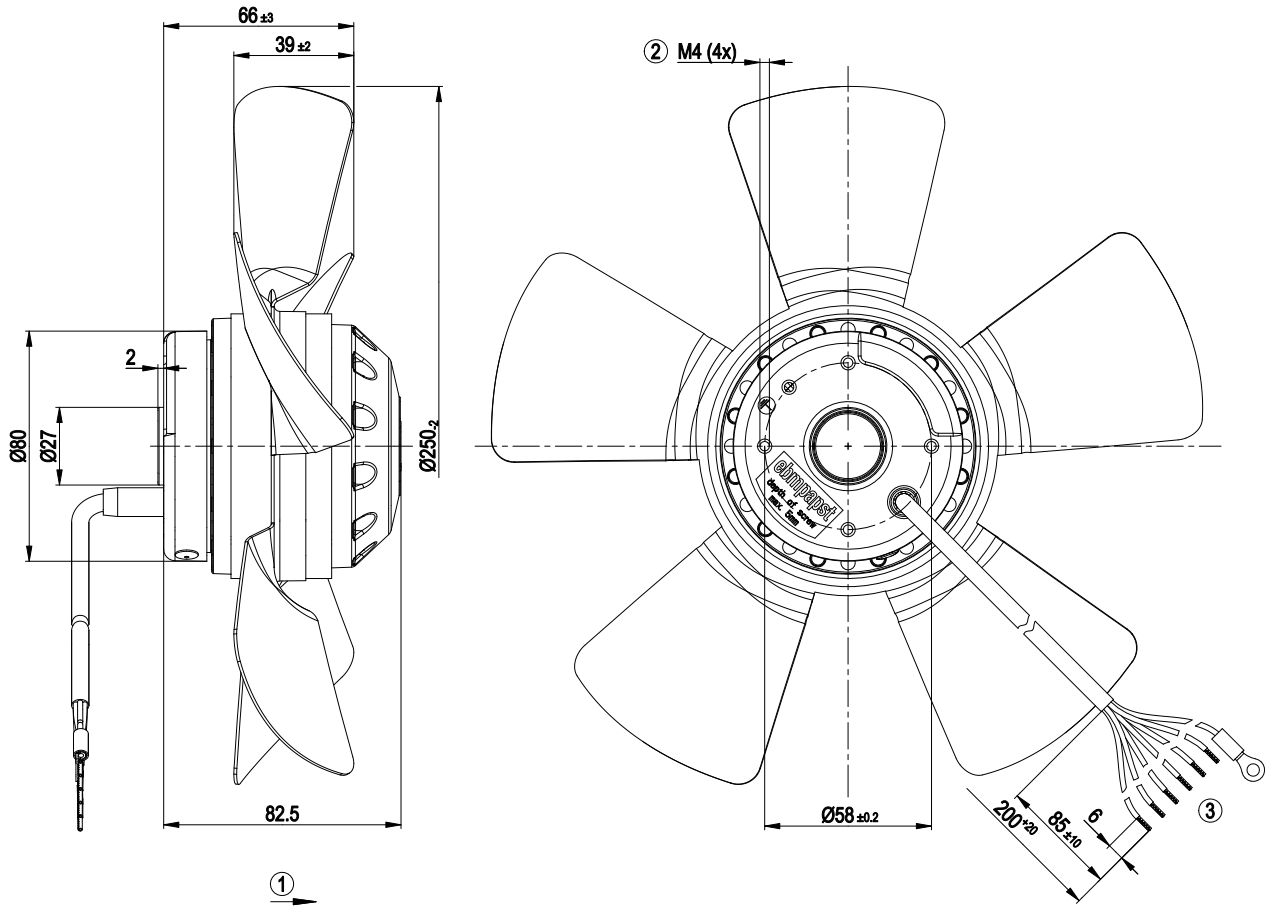
Mass	2.3 kg
Size	250 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F1-2
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
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1

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

AC axial fan

straight blades (A series)

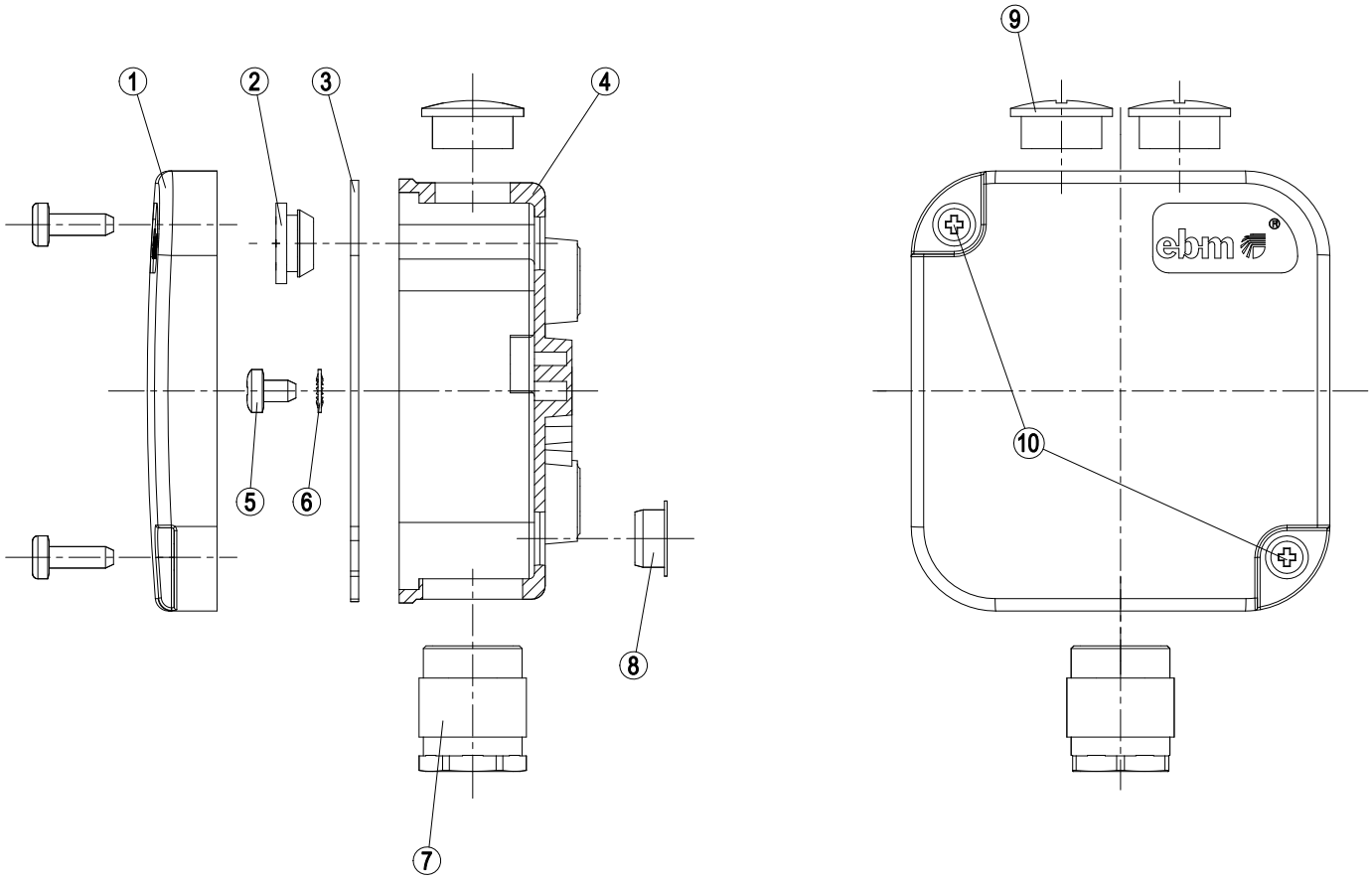
Product drawing



1	Direction of air flow "A"
2	Thread reach max. 5 mm
3	Connection line PVC 7G 0.5 mm², 6x lead tips, 1x contact stud dia. 4.3

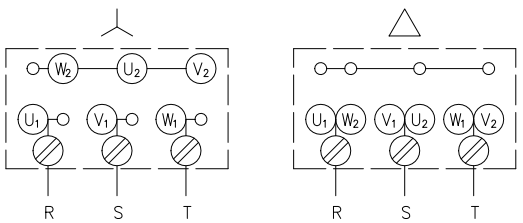
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

Accessory part



	Accessory parts, included separately:
1	Terminal box cover
2	Grommet
3	Seal
4	Bottom part 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	Sealing plug
9	Screw plugs (2x), tightening torque 1.3±0.2 Nm
10	Oval head screws (2x), tightening torque 1.3±0.2 Nm

Connection screen

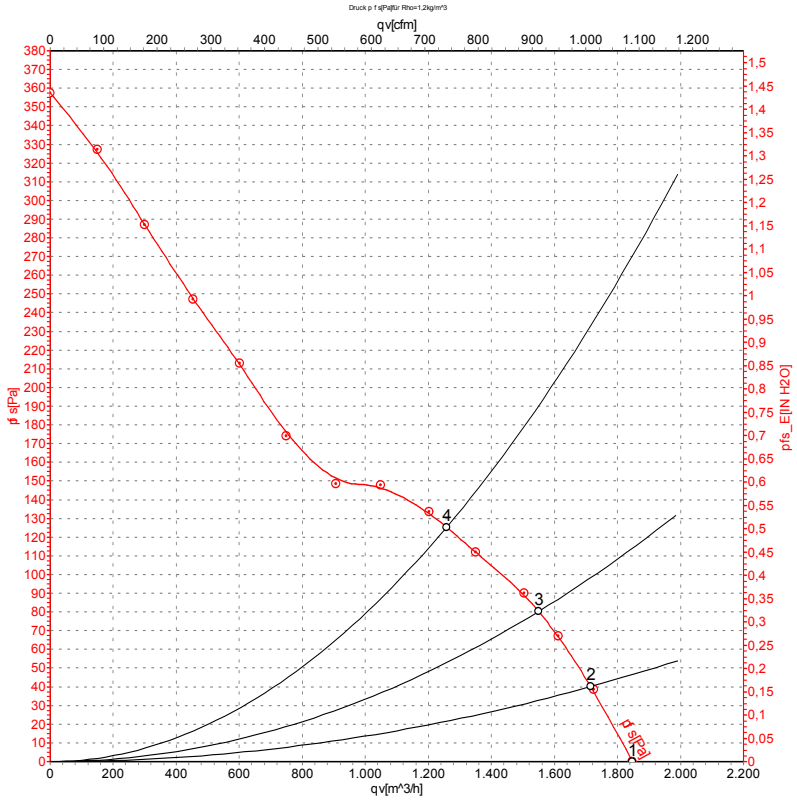


ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

AC axial fan

straight blades (A series)

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

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

ebmpapst:

A2D170-AA04-01 G2E146-BF05-29 7114NH 4412F/2M-504 4414FNH 4600Z-881 8315100283 4314NHH 8312 8315100229 A2D300-AD02-02 G2E140-AI28-01 6248N 3806 8412N/2G-185 R2E175-AC77-05 RG160-28/14N W2S130-AA03-01 4114N/2H4 4412 F/2 4414 F/2M 7212N 96358-2-4013 4650X LZ 30-5 QG030-148/12 R2E180-AS77-40 4580 Z 8315100059 PMFA80