

A2D250-AA06-52

# 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-AA06-52		
Motor	M2D068-DF		
Phase		3~	3~
Nominal voltage	VAC	266	460
Connection		$\Delta$	Y
Frequency	Hz	60	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min <sup>-1</sup>	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



# AC axial fan

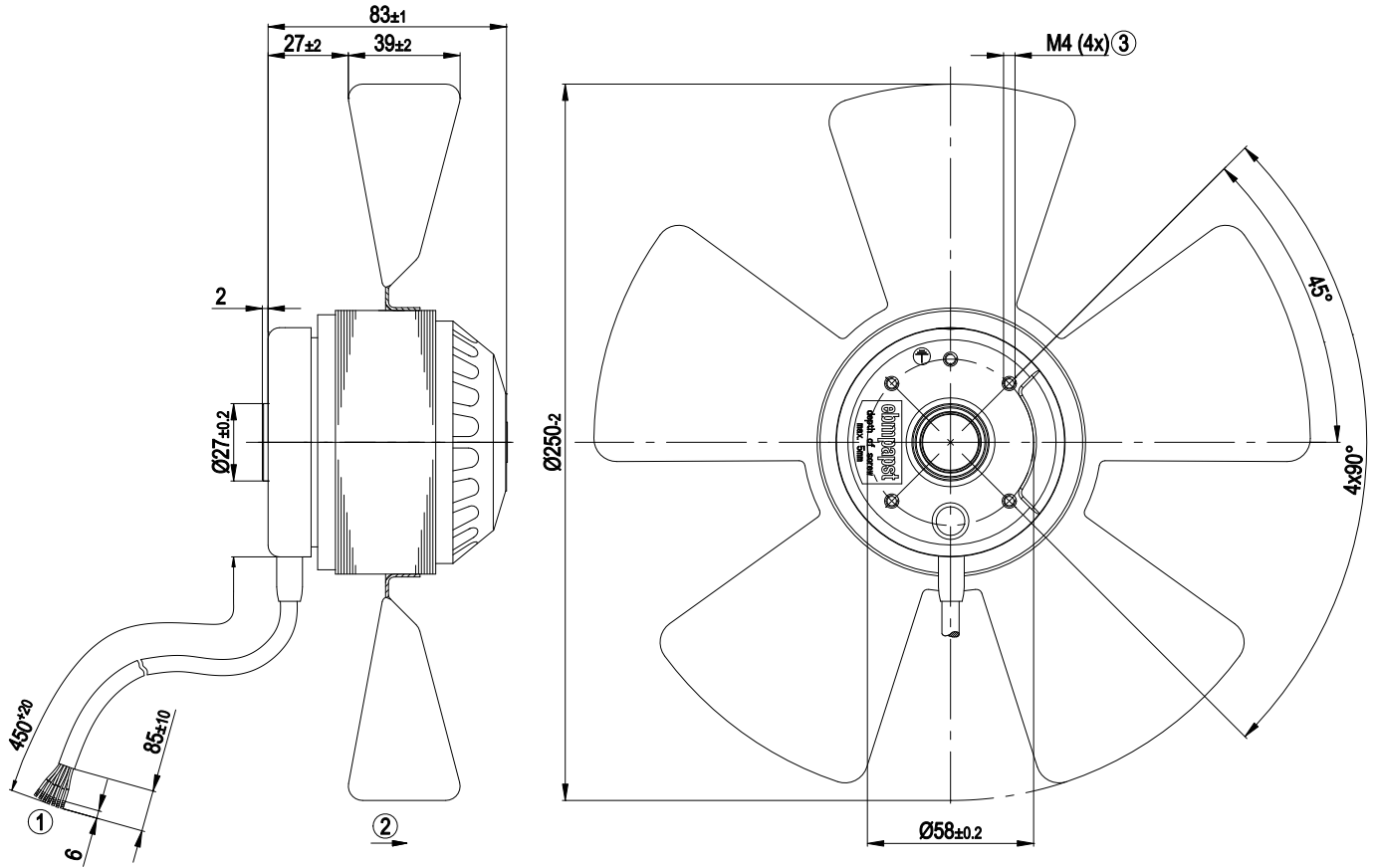
straight blades (A series)

## Technical features

<b>Mass</b>	2.2 kg
<b>Size</b>	250 mm
<b>Surface of rotor</b>	Coated in black
<b>Material of impeller</b>	Sheet steel, coated in black
<b>Number of blades</b>	5
<b>Direction of air flow</b>	"A"
<b>Direction of rotation</b>	Clockwise, seen on rotor
<b>Type of protection</b>	IP 44; Depending on installation and position
<b>Insulation class</b>	"B"
<b>Humidity class</b>	F1-2
<b>Max. permissible ambient motor temp. (transp./ storage)</b>	+ 80 °C
<b>Min. permissible ambient motor temp. (transp./storage)</b>	- 40 °C
<b>Mounting position</b>	Shaft horizontal or rotor on top; rotor on bottom on request
<b>Condensate discharge holes</b>	None
<b>Operation mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Leakage current</b>	< 0.75 mA
<b>Motor protection</b>	Thermal overload protector (TOP) brought out
<b>Cable exit</b>	Lateral
<b>Protection class</b>	I (if protective earth is connected by customer)
<b>Product conforming to standard</b>	EN 60335-1; CE
<b>Approval</b>	UL 1004-1; CSA C22.2 Nr.100



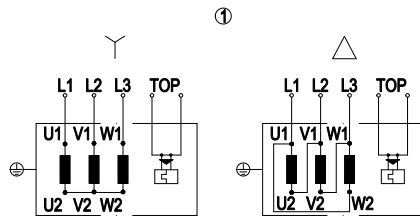
Product drawing



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



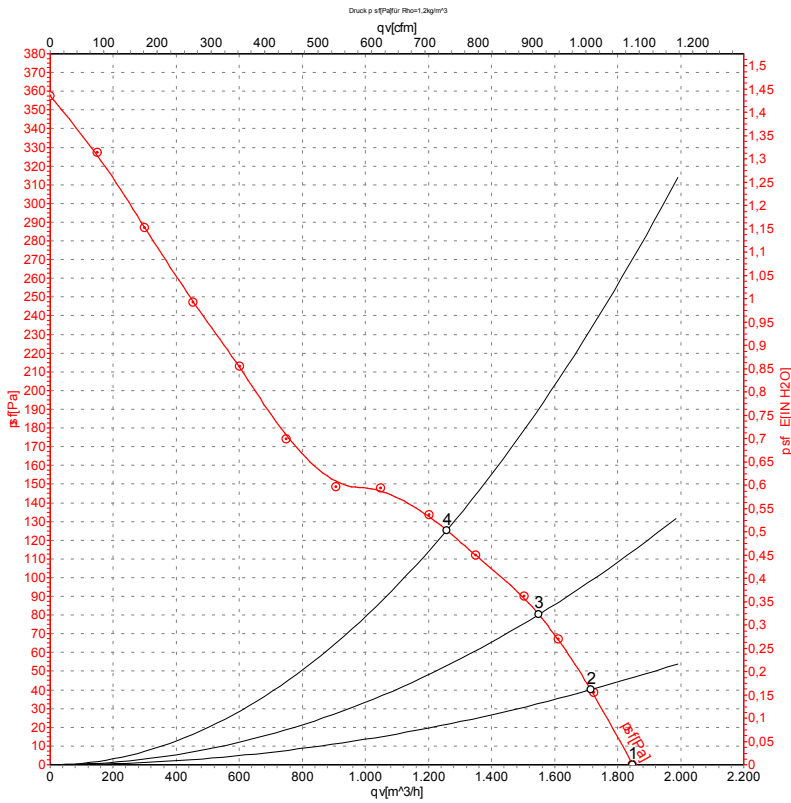
## Connection screen



Changing the direction of rotation by reversing the two phases

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
TW	(Thermal overload protector) 2x yellow

## 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: L<sub>wA</sub> measured as per ISO 13347 / L<sub>pA</sub> 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 <sub>e</sub>	I	qv	p <sub>sf</sub>
		V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /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

