

A2D250-AA02-02

AC axial fan

straight blades (A series)



ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2

D-74673 Mulfingen

Phone: +49(0)7938/81-0

Fax: +49(0)7938/81-110

sales@fansco.com

www.fansco.com

Nominal data

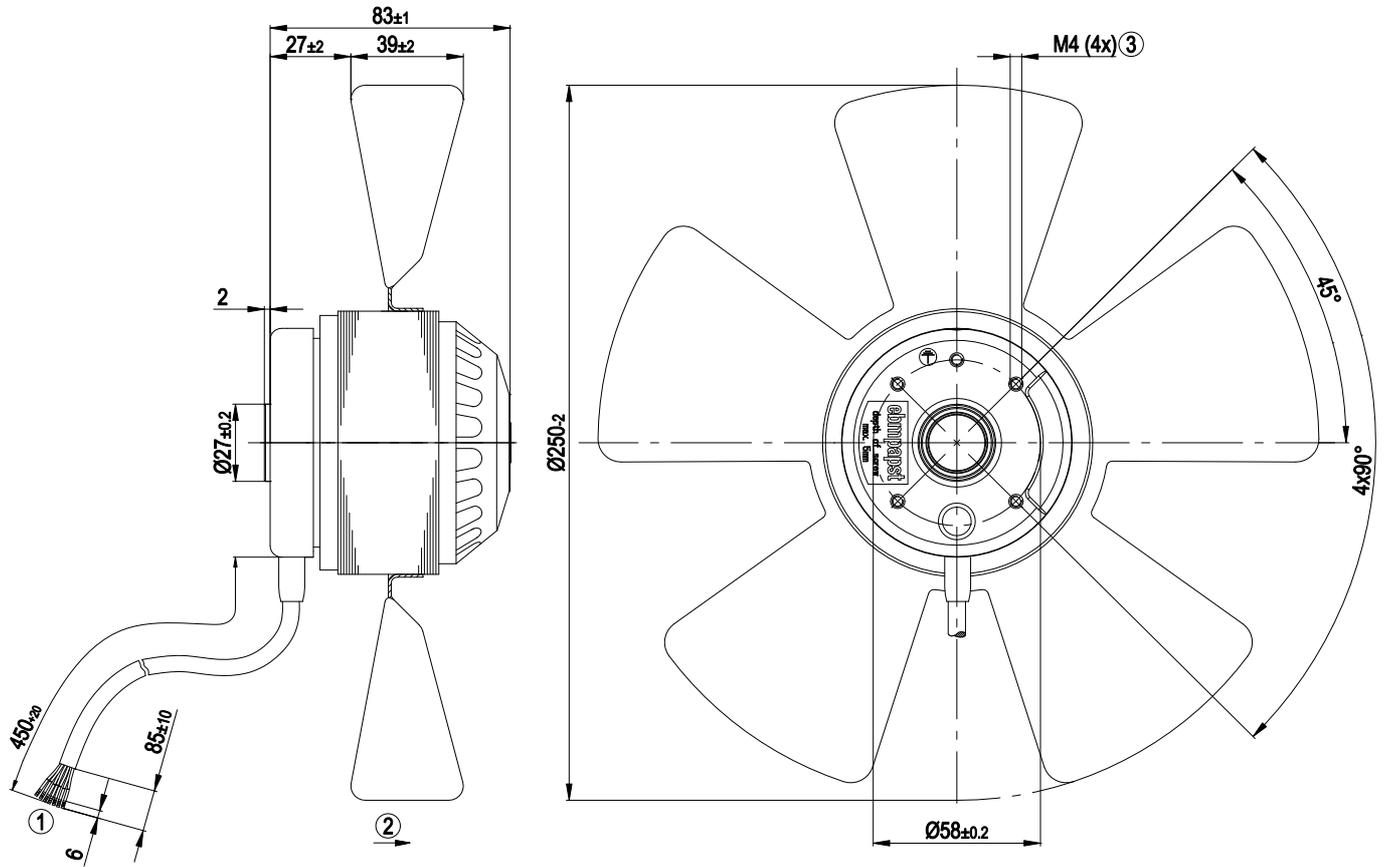
Type	A2D250-AA02-02		
Motor	M2D068-DF		
Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		Y	Y
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	2650	2950
Power input	[W]	110	160
Current draw	[A]	0.22	0.26
Max. back pressure	[Pa]	205	300
Max. ambient temperature	[°C]	70	40

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

Technical features

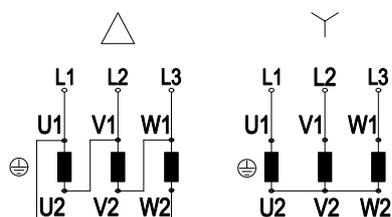
Leakage current	< 0.75 mA
Size	250 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F2-2
Direction of air flow	"A"
Insulation class	"B"
Cable exit	Lateral
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	2.05 kg
Material of blades	Sheet steel, coated in black
Product conforming to standard	EN 60335-1
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 44
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

Product drawing



1	Connection line PVC 7 x 0.5 mm ² ; 7 x brass lead tips crimped
2	Direction of air flow "A"
3	Depth of screw max. 5 mm

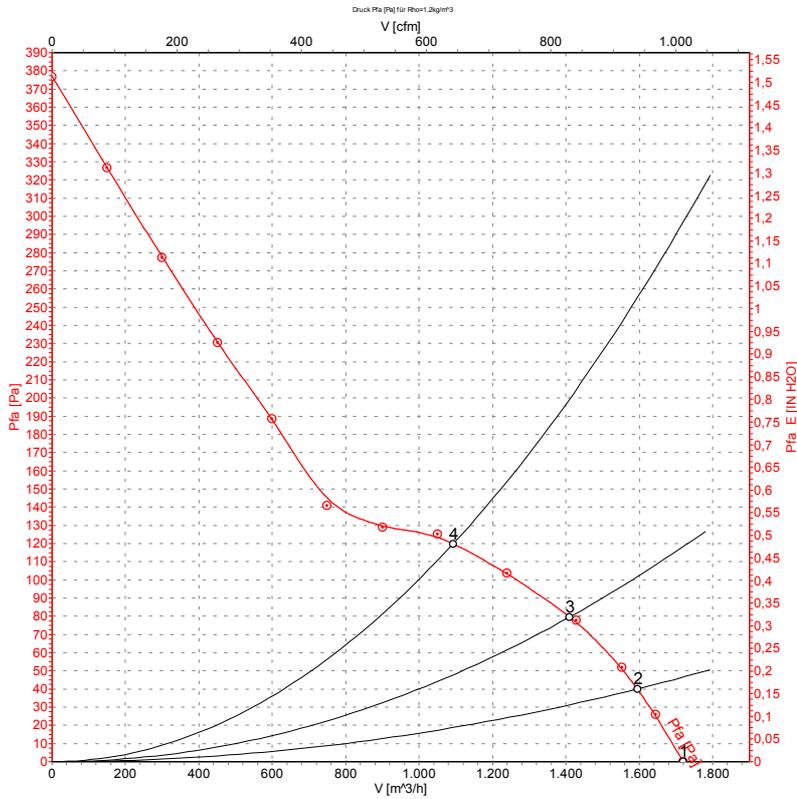
Connection screen



Note: Direction of rotation changes when two phases are reversed

Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow		

Charts: Air flow 50 Hz Y

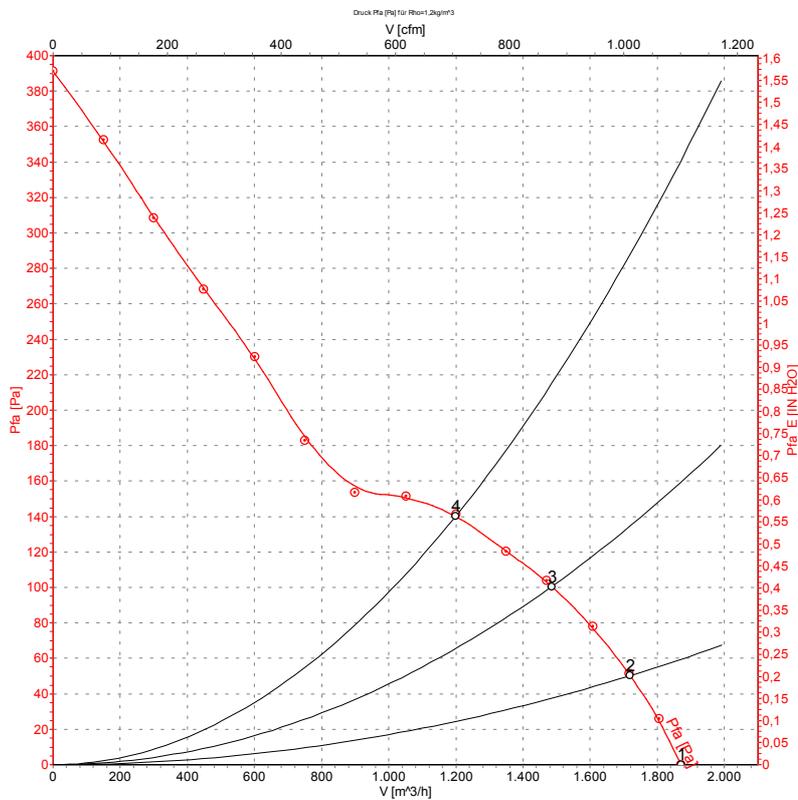


Measurement: LU-69121

Measured values

	Conn.	U	f	n	P ₁	I	\hat{V}	P _{fa}
		[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m ³ /h]	[Pa]
1	Y	400	50	2650	110	0.22	1720	0
2	Y	400	50	2620	126	0.23	1595	40
3	Y	400	50	2600	131	0.24	1410	80
4	Y	400	50	2595	131	0.24	1090	120

Charts: Air flow 60 Hz Y



Measurement: LU-69123

Measured values

	Conn.	U	f	n	P ₁	I	\hat{V}	P _{fa}
		[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m ³ /h]	[Pa]
1	Y	400	60	2950	160	0.26	1870	0
2	Y	400	60	2850	177	0.28	1720	50
3	Y	400	60	2810	184	0.29	1485	100
4	Y	400	60	2805	184	0.29	1200	140