

AC axial fan

sickled blades (S series)

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

Nominal data

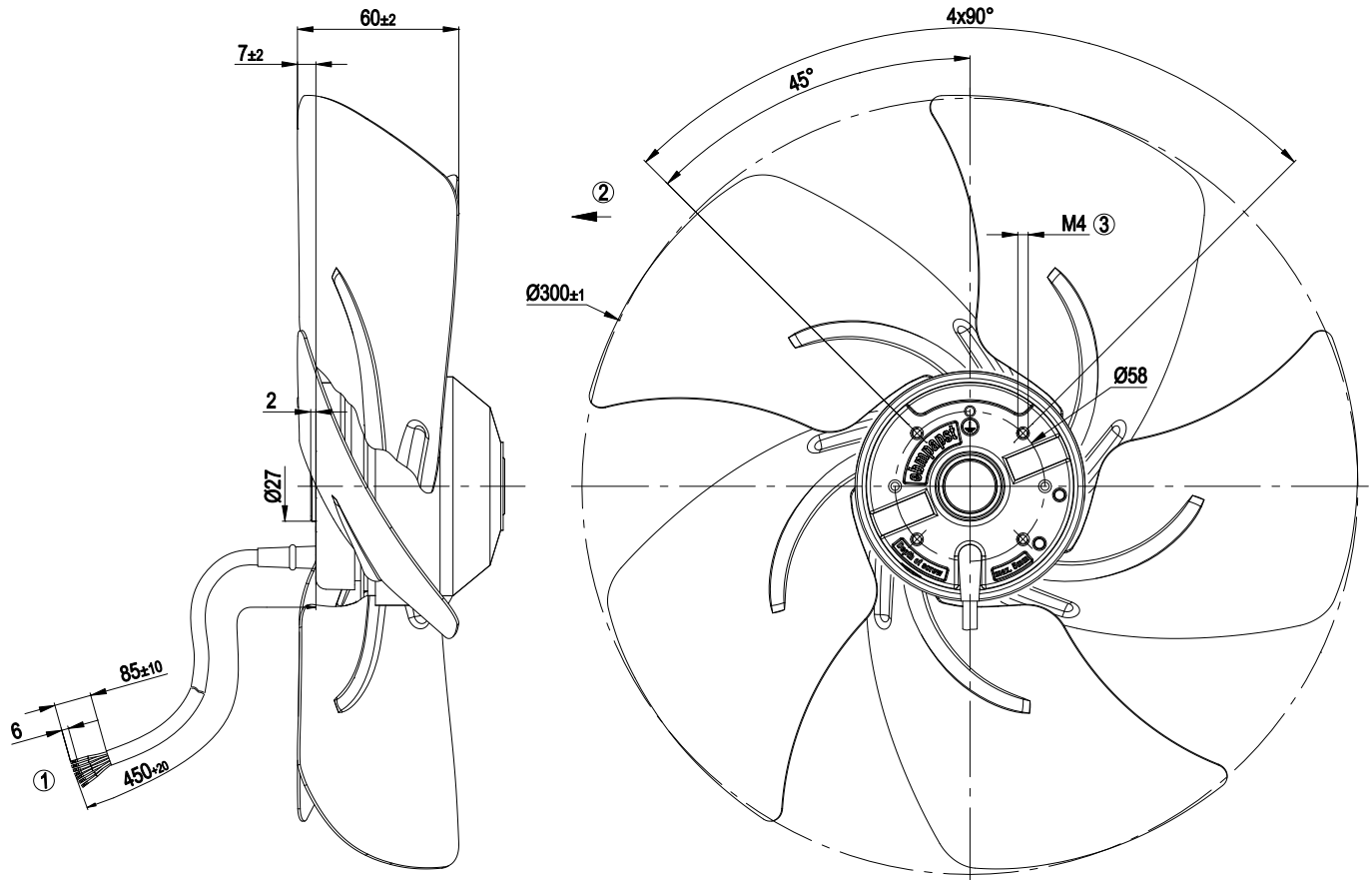
Type	A4D300-AP28-02				
Motor	M4D068-CF				
Phase		3~	3~	3~	3~
Nominal voltage	V	230	230	400	400
Connection		D	D	Y	Y
Frequency	Hz	50	60	50	60
Type of data definition		rfa	rfa	rfa	rfa
Valid for approval / standard		CE	CE	CE	CE
Speed	min ⁻¹	1370	1540	1370	1540
Power input	W	60	75	60	75
Current draw	A	0.29	0.26	0.17	0.15
Max. back pressure	Pa	90	60	90	60
Max. ambient temperature	°C	45	40	45	40

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

Technical features

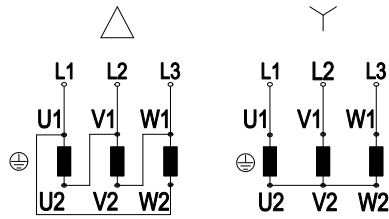
Leakage current	< 0.75 mA
Size	300 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Direction of air flow	"A"
Insulation class	"B"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing
Mass	2.1 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; GOST

Product drawing



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

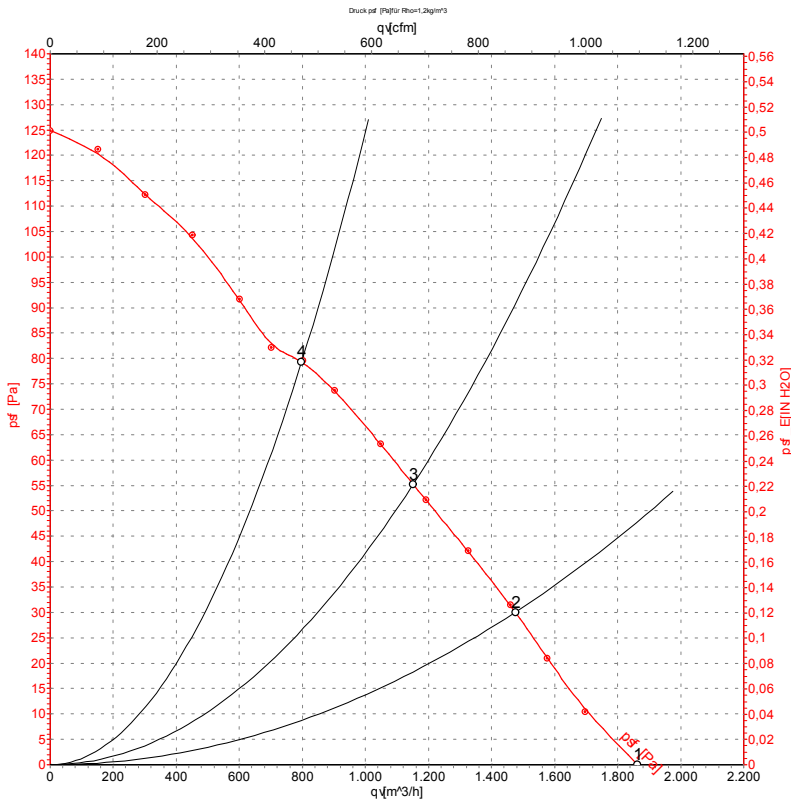
Connection screen



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



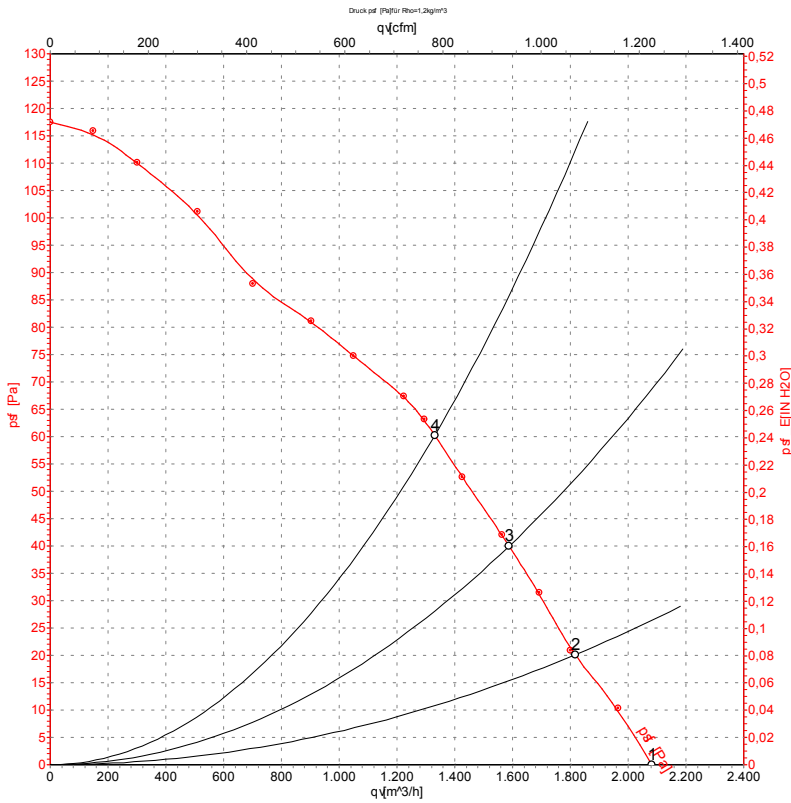
Measurement: LU-60318

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

	U	f	n	P ₁	I	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	400	50	1370	60	0.17	1860	0
2	400	50	1350	67	0.17	1475	30
3	400	50	1330	73	0.18	1150	55
4	400	50	1270	87	0.19	795	80

Charts: Air flow 60 Hz



Measurement: LU-60319

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_{wA} measured as per ISO 13347 / L_{pA} 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

	U	f	n	P ₁	I	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	400	60	1540	75	0.15	2080	0
2	400	60	1515	80	0.16	1815	20
3	400	60	1490	85	0.17	1590	40
4	400	60	1455	91	0.17	1330	60