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	**A2D300-AP02-01**
Motor	**M2D074-DF**

Phase		3~	3~
Nominal voltage	[V]	230	400
Connection		**D**	Y
Frequency	[Hz]	50	50
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min^{-1}]	2580	2580
Power input	[W]	210	210
Current draw	[A]	0.62	0.36
Max. back pressure	[Pa]	200	200
Max. ambient temperature	[°C]	55	55

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

AC axial fan

sickled blades (S series)

Technical features

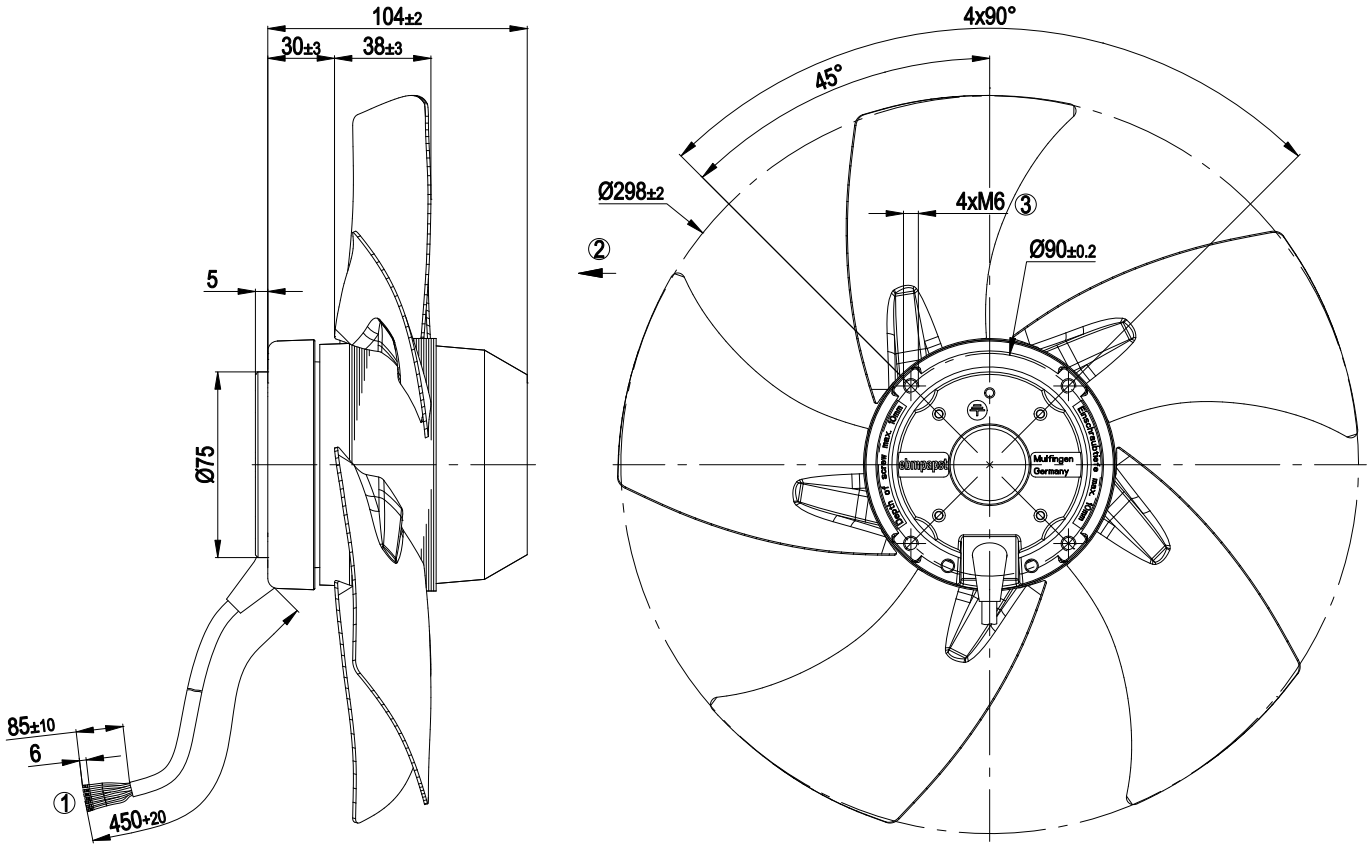
Leackage current	< 0.75 mA
Size	300 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Direction of air flow	"V"
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	3.1 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; Depending on installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; GOST

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

sickled blades (S series)

Product drawing



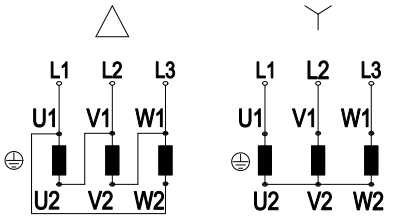
1	Connection line PVC, 7x brass lead tips crimped
2	Direction of air flow "V"
3	Screw depth max. 10 mm

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

sickled blades (S series)

Connection screen



Note: Direction of rotation changes when two phases are reversed

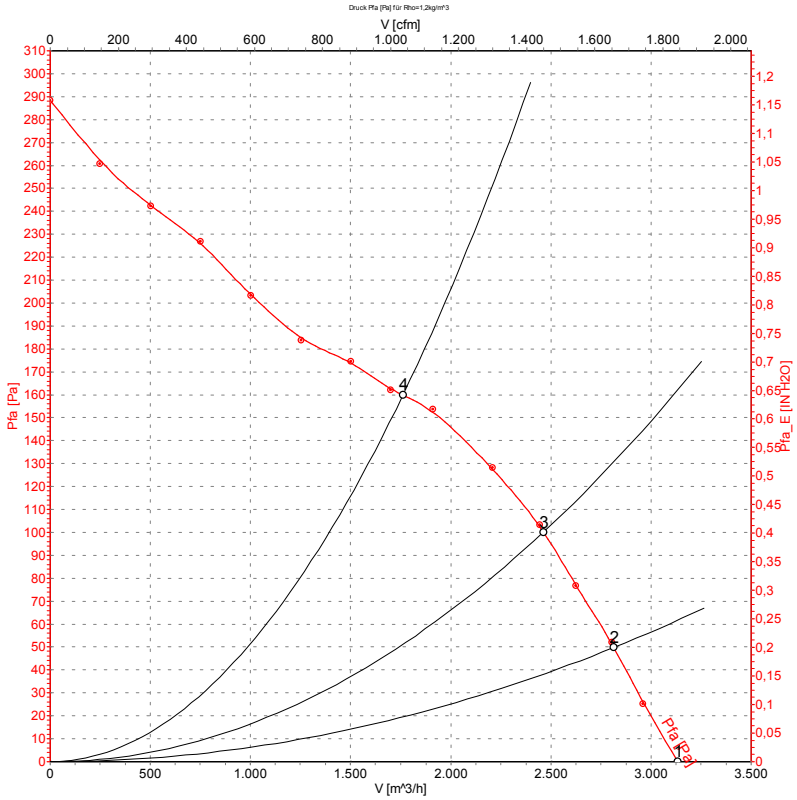
Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow		

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

sickled blades (S series)

Charts: Air flow 50 Hz



Measurement: LU-62732

Measured values

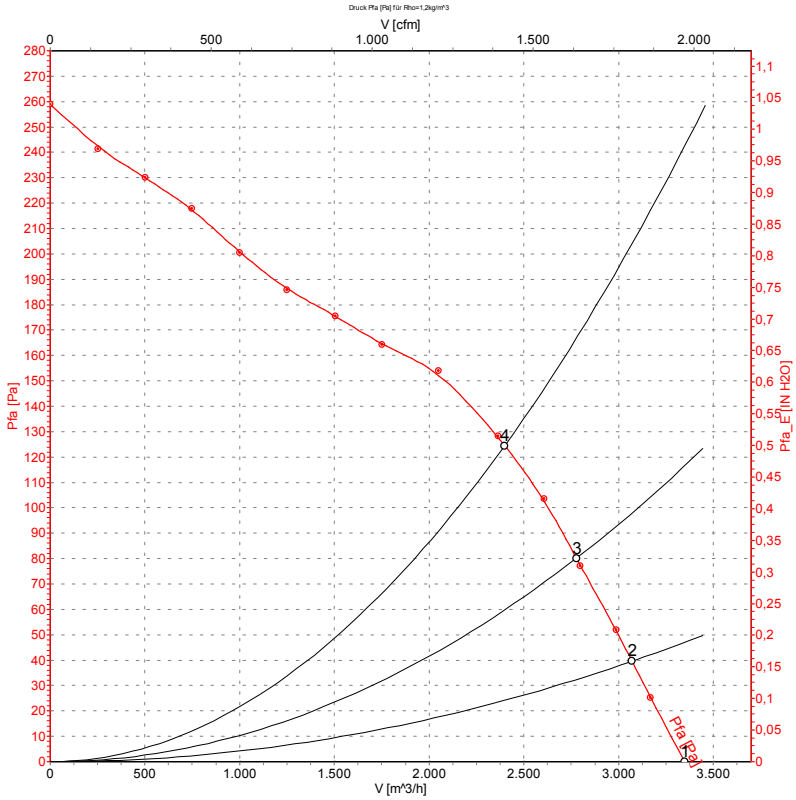
	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	50	2580	210	0.36	3135	0
2	400	50	2540	227	0.36	2815	50
3	400	50	2490	244	0.39	2465	100
4	400	50	2395	278	0.43	1760	160

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

sickled blades (S series)

Charts: Air flow 60 Hz



Measurement: LU-62733

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	60	2750	300	0.48	3350	0
2	400	60	2685	316	0.48	3070	40
3	400	60	2625	331	0.50	2775	80
4	400	60	2550	347	0.52	2400	125

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