S4D300-AP28-30

AC axial fan

sickled blades (S series)

with guard grille for short nozzle

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

Nominal data

Type	**S4D300-AP28-30**
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
Air flow	[m^3/h]	1860	2080	1860	2080
Back pressure	[Pa]	0	0	0	0
Sound pressure level	[dB(A)]	57	60	57	60

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)

with guard grille for short nozzle

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
Direction of air flow	"V"
Insulation class	"B"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	2.4 kg
Material of blades	Sheet steel, coated in black
Material of guard grille	Steel, phosphated and coated in black plastic
Product conforming to standard	EN 60335-1
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 44 - depending on position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

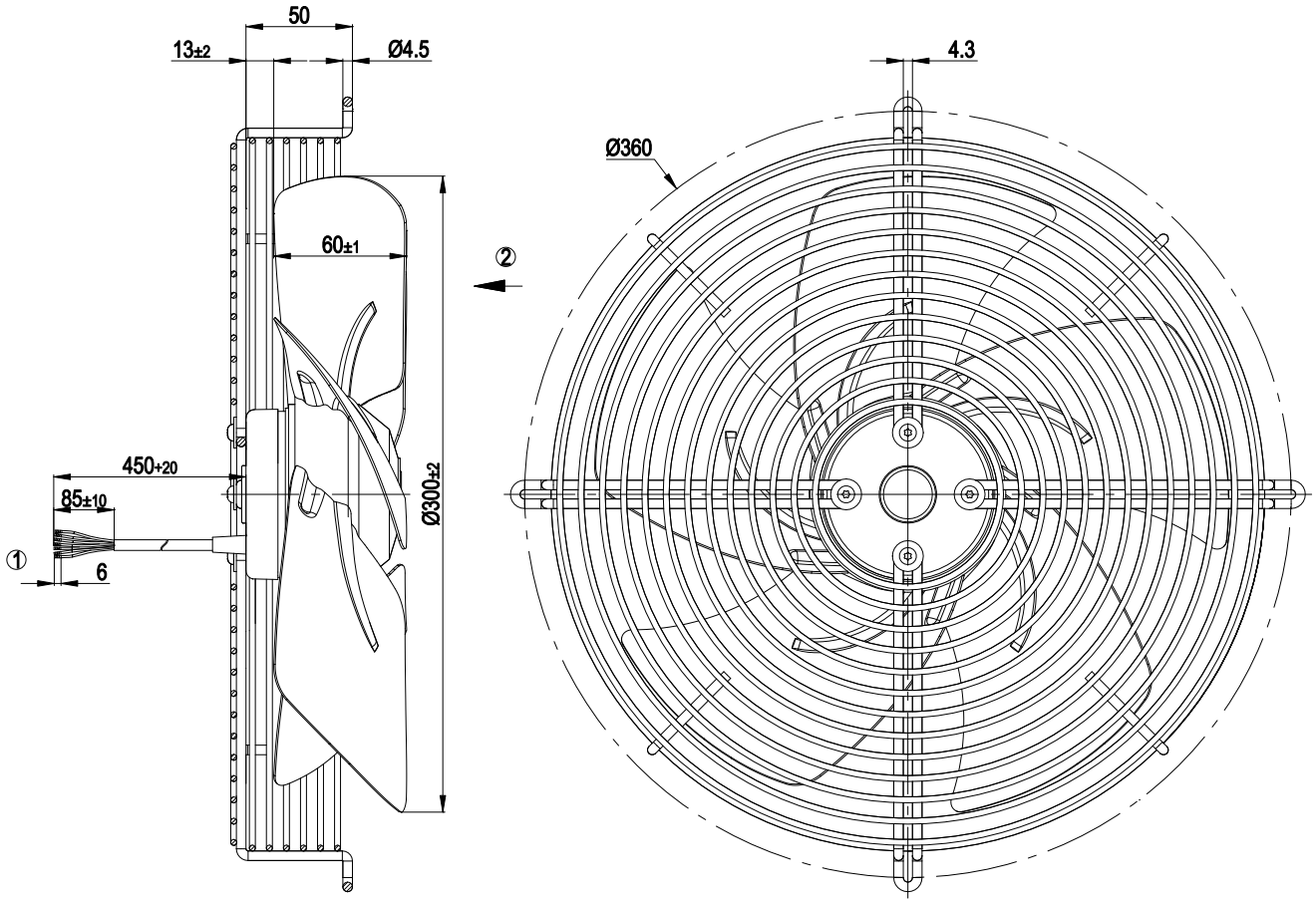
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

AC axial fan

sickled blades (S series)

with guard grille for short nozzle

Product drawing



1	Connection line PVC, 7x brass lead tips crimped
2	Direction of air flow "V"

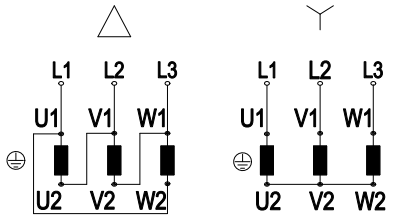
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

AC axial fan

sickled blades (S series)

with guard grille for short nozzle

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		

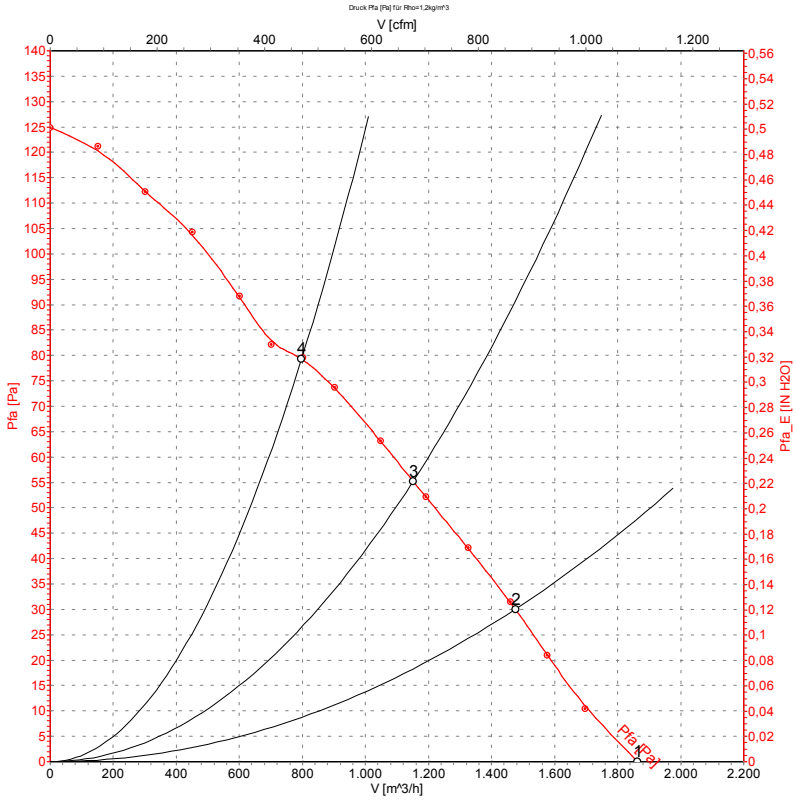
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

AC axial fan

sickled blades (S series)

with guard grille for short nozzle

Charts: Air flow 50 Hz



Measurement: LU-60318

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	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

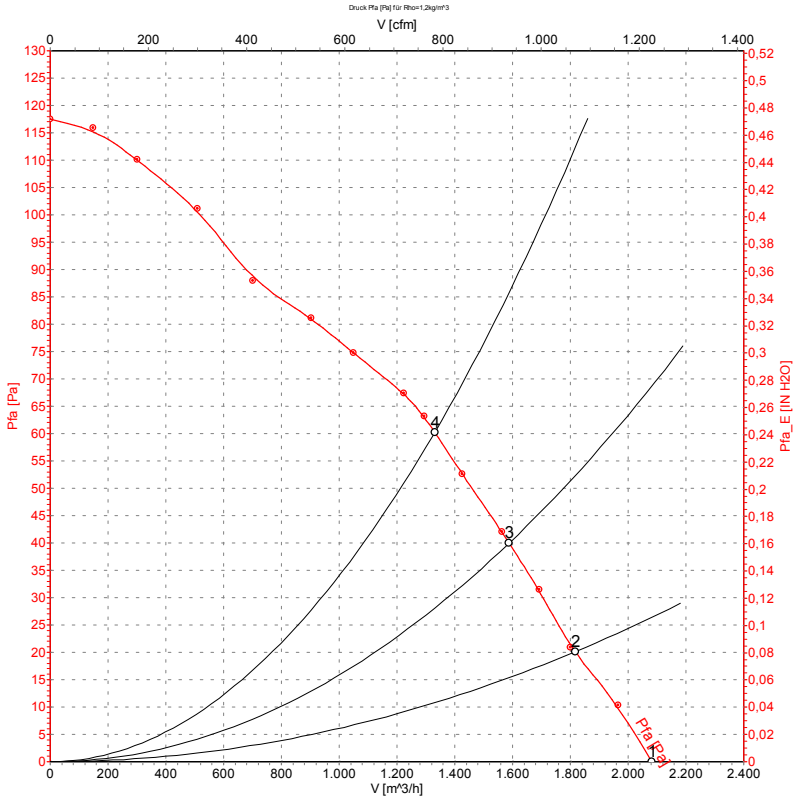
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

AC axial fan

sickled blades (S series)

with guard grille for short nozzle

Charts: Air flow 60 Hz



Measurement: LU-60319

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	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

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