

AC axial fan

 with guard grille for short nozzle
sickled blades (S series)**ebm-papst Mulfingen GmbH & Co. KG**

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Nominal data

Type	S2D200-AH18-01		
Motor	M2D068-BC		
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]	2600	2900
Power input	[W]	68	70
Current draw	[A]	0.17	0.13
Max. back pressure	[Pa]	140	140
Max. ambient temperature	[°C]	45	70
Air flow	[m ³ /h]	940	1020
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	59	61

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

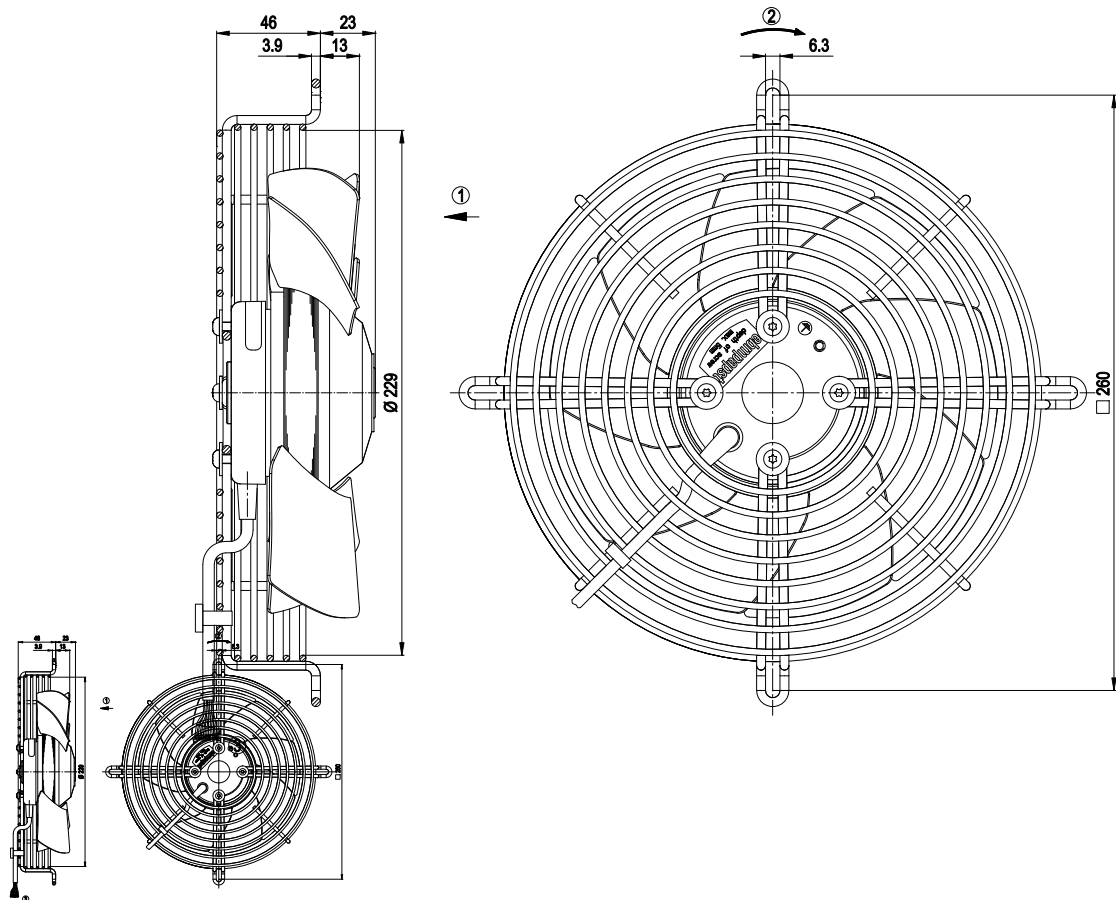
Technical features

Leakage current	< 0,75 mA
Size	200 mm
Operation mode	S1
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Direction of air flow	"V"
Insulation class	"B"; Acc. to EN 60335-1
Cable exit	Lateral
Condensate discharge holes	Rotor-side
Bearing-motor	Ball bearing
Mass	1.83 kg
Material of blades	Sheet steel, coated in black
Material of guard grille	Steel, phosphated and coated in black plastic
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	9
Type of protection	IP 44
Protection class	I
Approval	CCC

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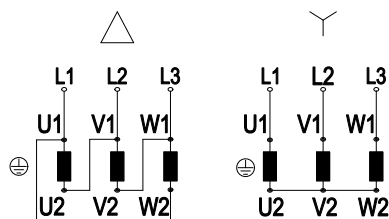
sickled blades (S series)

Product drawing



1	Direction of air flow "V"
2	Direction of rotation counterclockwise, seen on rotor
3	Connection line PVC, 7G, cable length 450 mm, 85 mm stripped, brass lead tips crimped

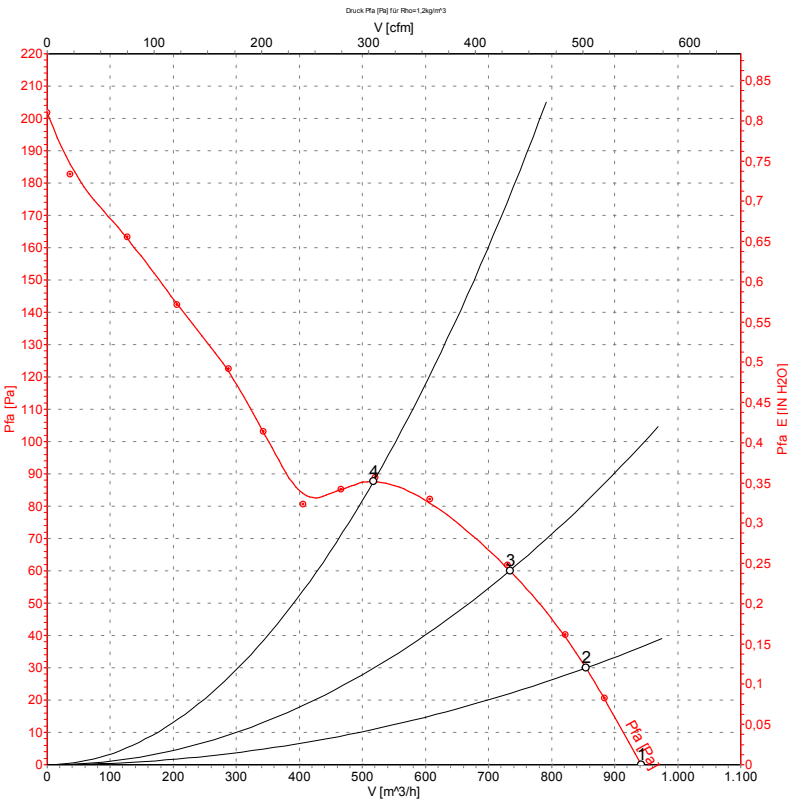
Connection screen



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		

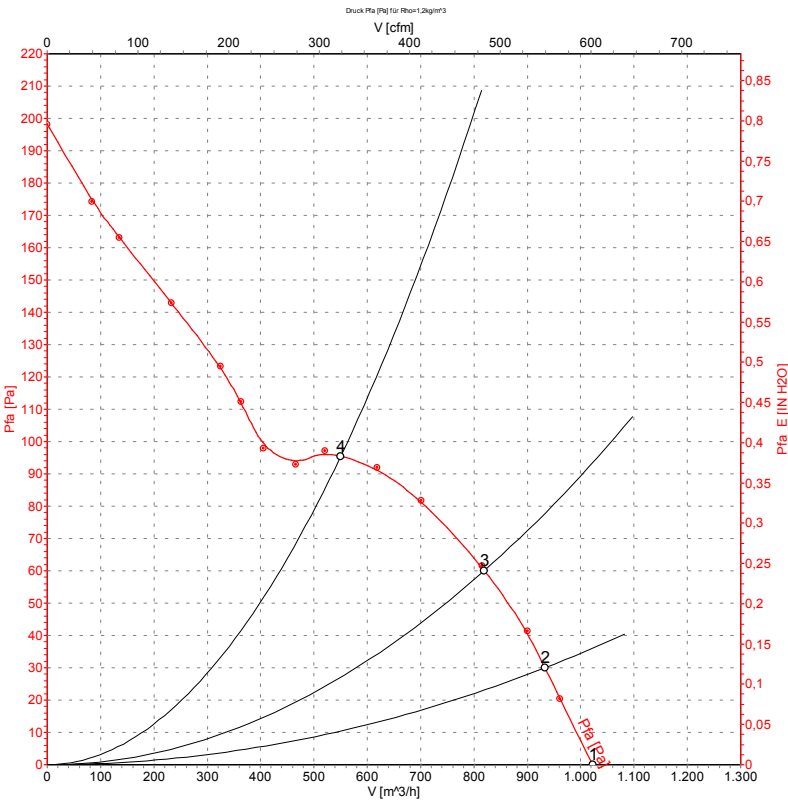
Charts: Air flow 50 Hz



Measured values

	U	f	n	P ₁	I	$\hat{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m ³ /h]	[Pa]
1	400	50	2600	68	0.17	940	0
2	400	50	2550	69	0.17	855	30
3	400	50	2500	72	0.17	735	61
4	400	50	2460	75	0.17	515	89

Charts: Air flow 60 Hz



Measured values

	U	f	n	P ₁	I	Ṃ	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	400	60	2815	70	0.13	1020	0
2	400	60	2745	73	0.14	935	30
3	400	60	2670	77	0.14	820	61
4	400	60	2595	81	0.15	550	96