

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	A4S200-AI04-01		
Motor	M4S068-BF		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1370	1580
Power input	[W]	30	27
Current draw	[A]	0.21	0.19
Max. back pressure	[Pa]	50	50
Max. ambient temperature	[°C]	75	80
Air flow	[m ³ /h]	470	540
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	42	46

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)

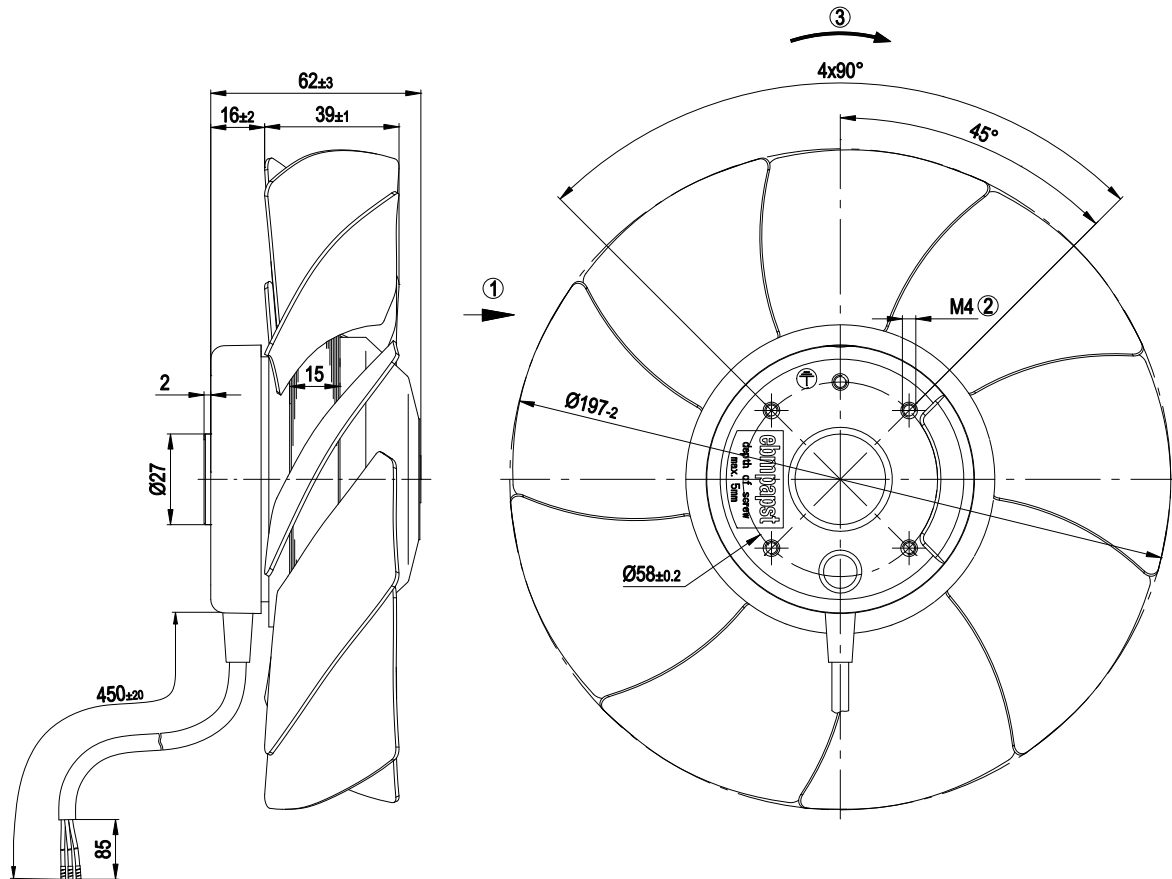
Technical features

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 rotation	Counter-clockwise, seen on rotor
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing-motor	Ball bearing
Mass	1.2 kg
Material of blades	Sheet steel, coated in black
Motor protection	Thermal overload protector (TOP) wired internally
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

AC axial fan

sickled blades (S series)

Product drawing

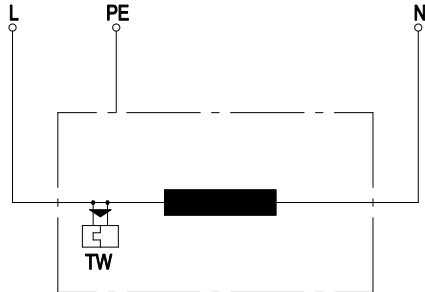


- | | |
|---|--|
| 1 | Connection line PVC, 3x brass lead tips crimped |
| 2 | Direction of air flow "A" |
| 3 | Direction of rotation counter-clockwise, seen on rotor |

AC axial fan

sickled blades (S series)

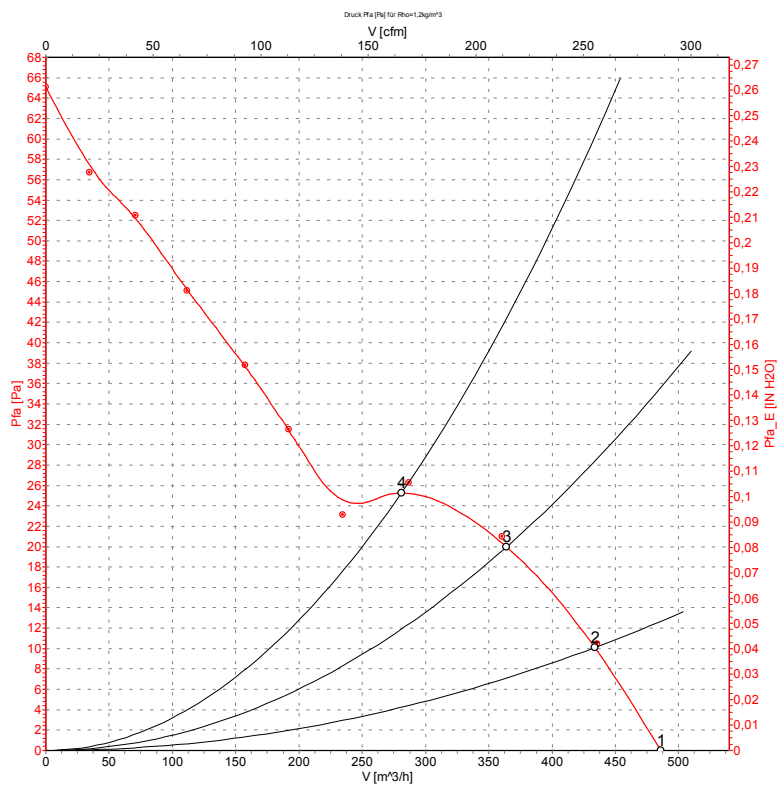
Connection screen



Note: Direction of rotation changes when two phases are reversed

L	= blue
PE	= green/yellow
N	= black
TW	= Thermal overload protector

Charts: Air flow 50 Hz



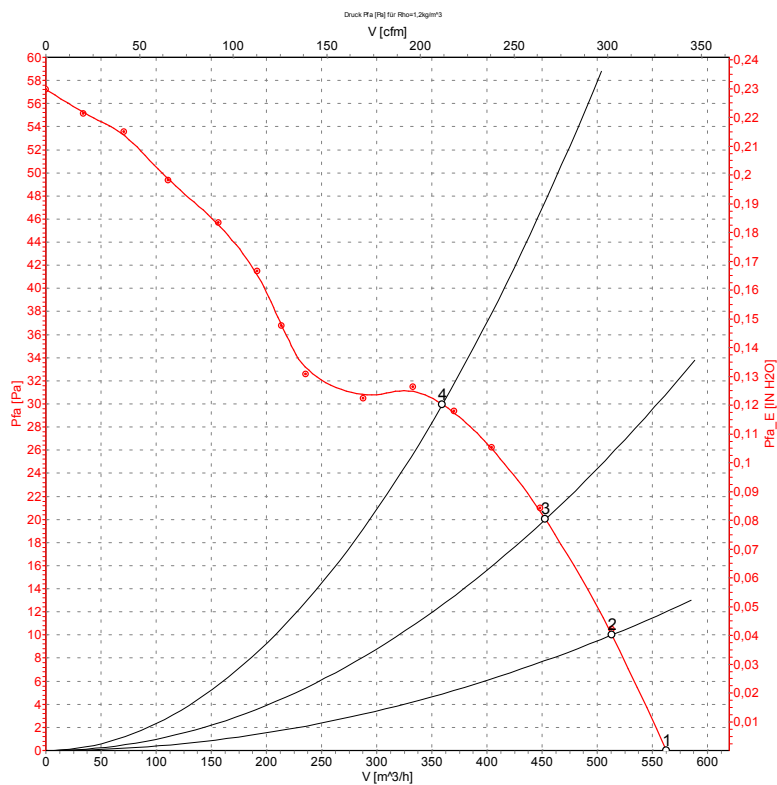
Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	1345	30	0.21	485	0
2	230	50	1330	31	0.22	435	10
3	230	50	1315	31	0.22	365	20
4	230	50	1310	31	0.22	280	26

AC axial fan

sickled blades (S series)

Charts: Air flow 60 Hz



Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	1540	27	0.19	565	0
2	230	60	1510	28	0.19	515	10
3	230	60	1485	29	0.19	455	20
4	230	60	1450	30	0.20	360	30