

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	A2E250-AM06-01		
Motor	M2E068-CF		
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]	2450	2600
Power input	[W]	115	150
Current draw	[A]	0.51	0.66
Motor capacitor	[µF]	3	3
Capacitor voltage	[VDB]	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Max. back pressure	[Pa]	120	85
Max. ambient temperature	[°C]	65	50

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)

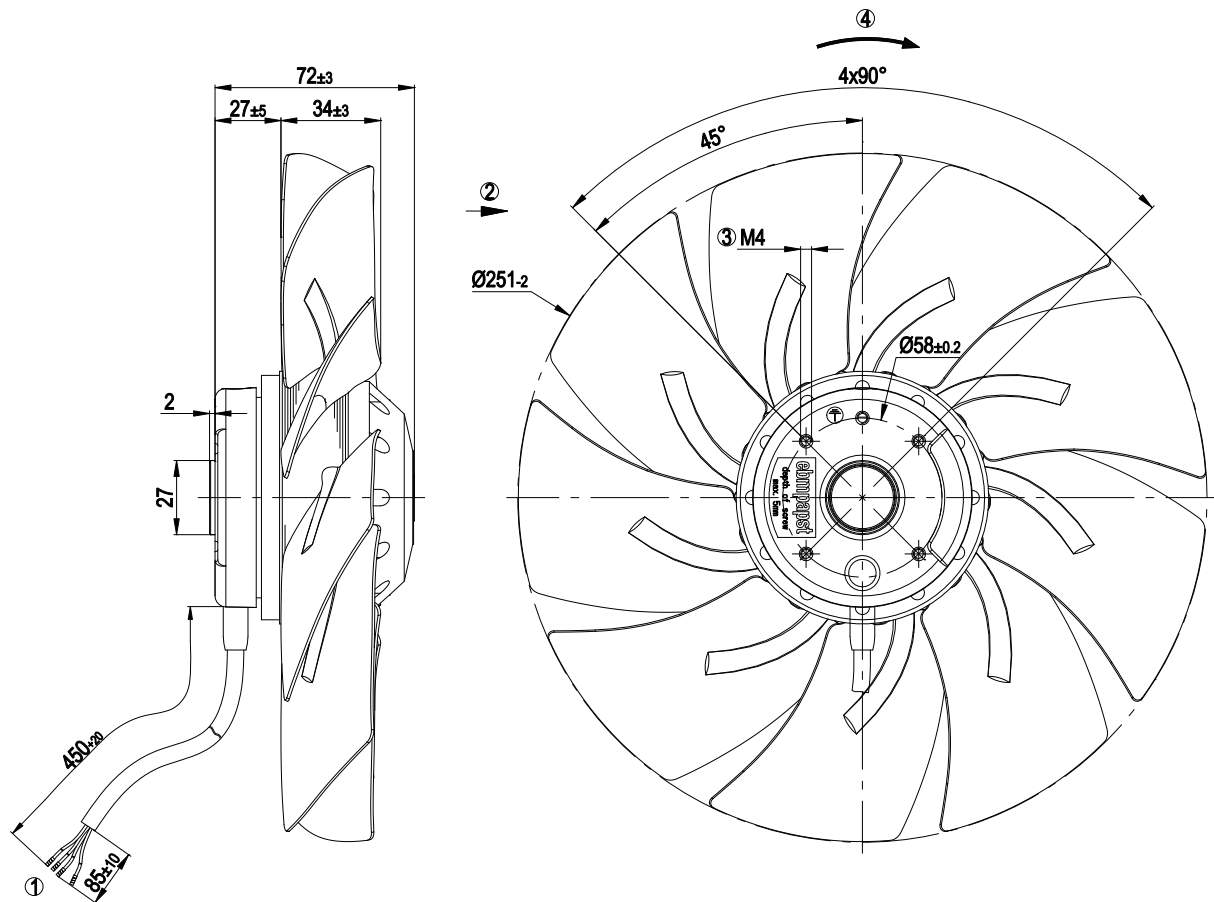
Technical features

Leakage current	< 0.75 mA
Size	250 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	"A"
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	1.9 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	7
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

AC axial fan

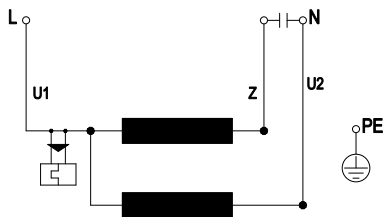
sickled blades (S series)

Product drawing



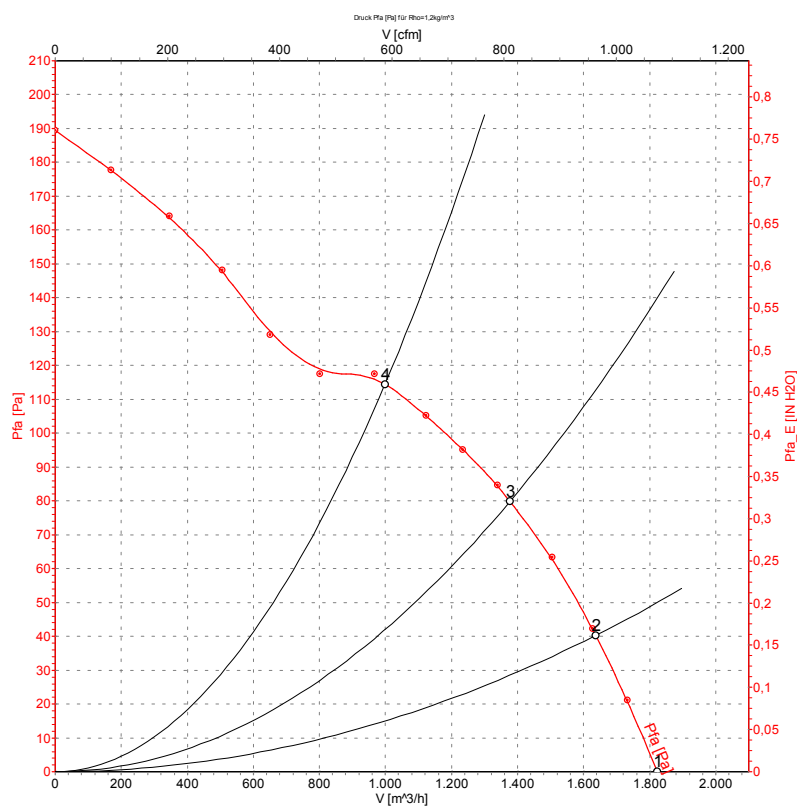
1	Connection line PVC, 4x crimped core-end sleeves
2	Direction of air flow "A"
3	Depth of screw max. 5 mm
4	Direction of rotation counterclockwise, seen on rotor

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz

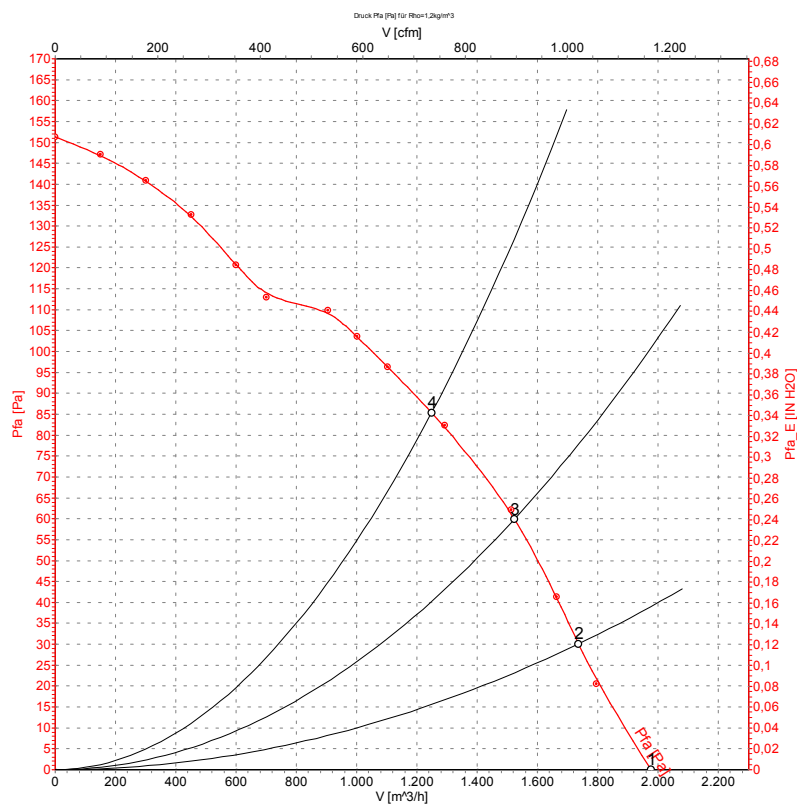


Measurement: LU-59608

Measured values

	U	f	n	P ₁	I	$\hat{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	2450	115	0.51	1820	0
2	230	50	2420	120	0.52	1635	40
3	230	50	2335	128	0.56	1375	80
4	230	50	2270	134	0.58	1000	115

Charts: Air flow 60 Hz



Measurement: LU-59609

Measured values

	U	f	n	P ₁	I	$\hat{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	2600	150	0.66	1970	0
2	230	60	2525	156	0.68	1735	30
3	230	60	2415	160	0.70	1525	60
4	230	60	2300	164	0.71	1250	85