

A2E250-AJ40-08

AC axial fan
sickled blades (S series)

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

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court Stuttgart · HRB 590142

Nominal data

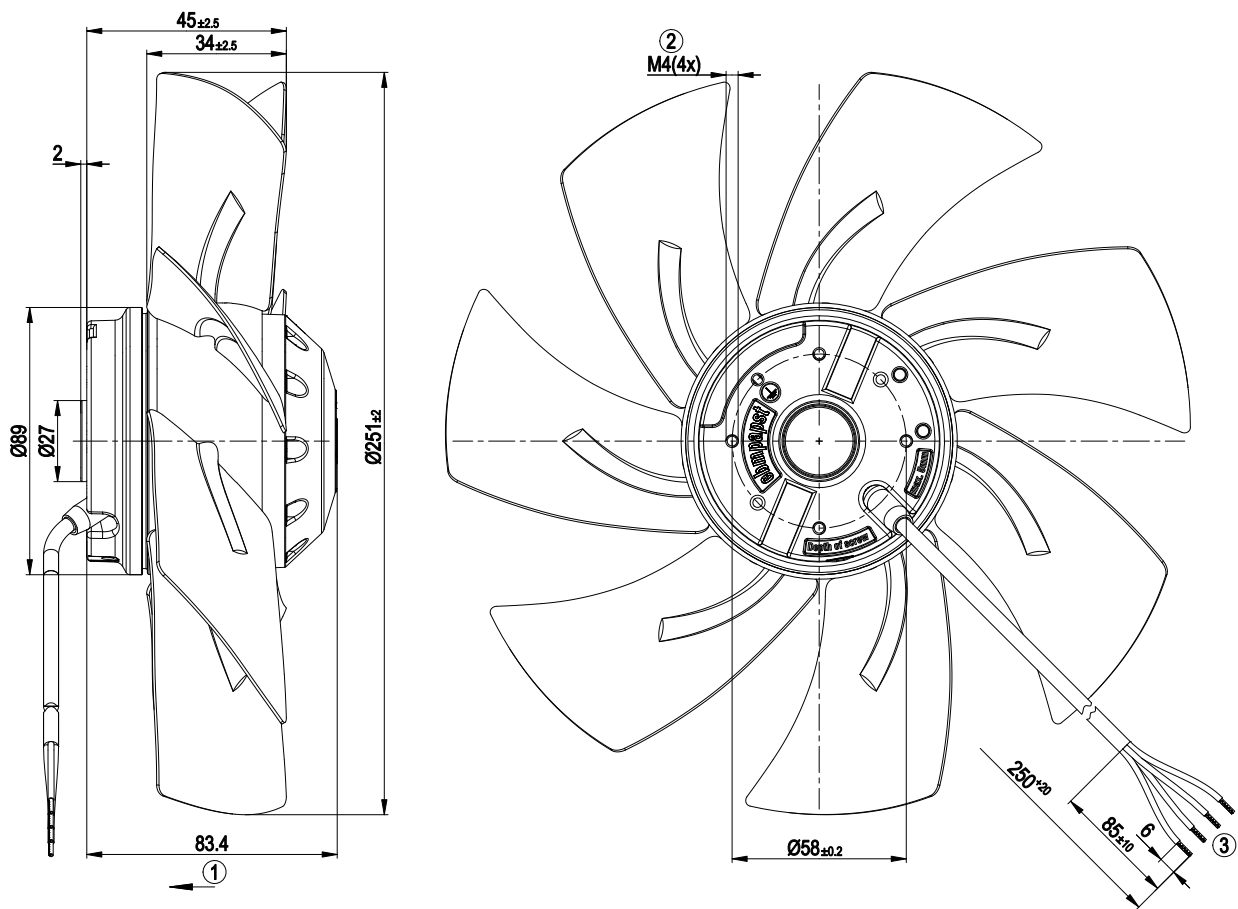
Type	A2E250-AJ40-08			
Motor	M2E068-DF			
Phase		1~	1~	1~
Nominal voltage	VAC	115	115	115
Frequency	Hz	50	60	60
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	CE	UL 2111
Speed	min ⁻¹	2700	3050	3050
Power input	W	140	195	200
Current draw	A	1.23	1.71	1.68
Motor capacitor	µF	16	16	16
Capacitor voltage	VDB	250	250	250
Capacitor standard		P2 (CE)	P2 (CE)	UL
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	50	40	40

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

Technical features

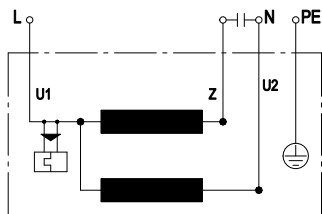
Mass	2.3 kg
Size	250 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on top; rotor on bottom on request
Condensate discharge holes	On the stator side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	UL 2111; CSA C22.2 Nr.77

Product drawing



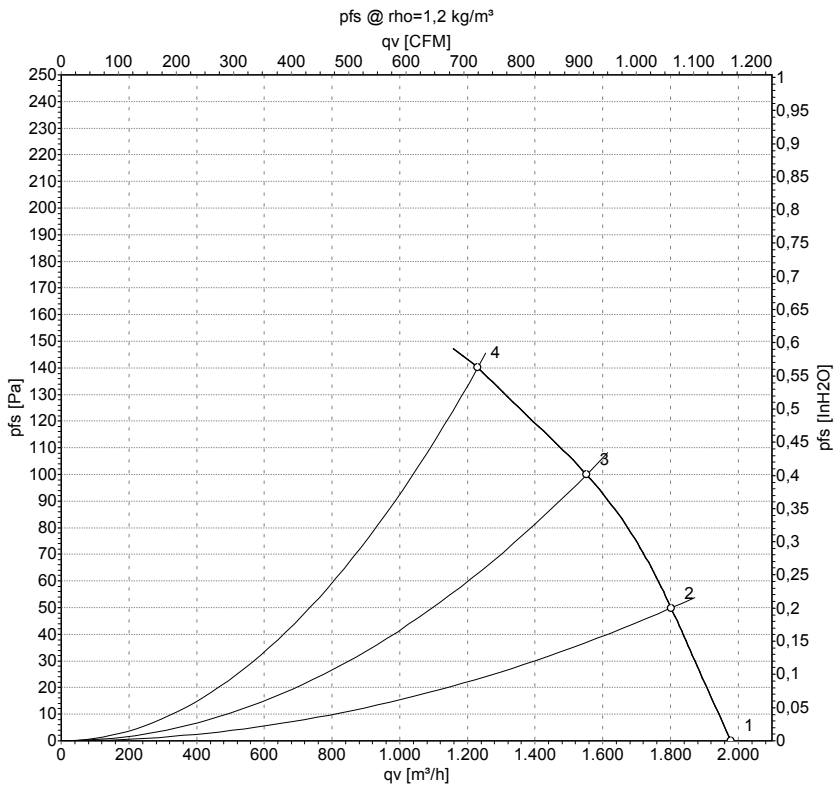
- | | |
|---|--|
| 1 | Direction of air flow "V" |
| 2 | Depth of screw max. 5 mm |
| 3 | Connection line PVC 4G AWG20, 4x brass lead tips crimped |

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz



Measurement: LU-74179

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{WA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

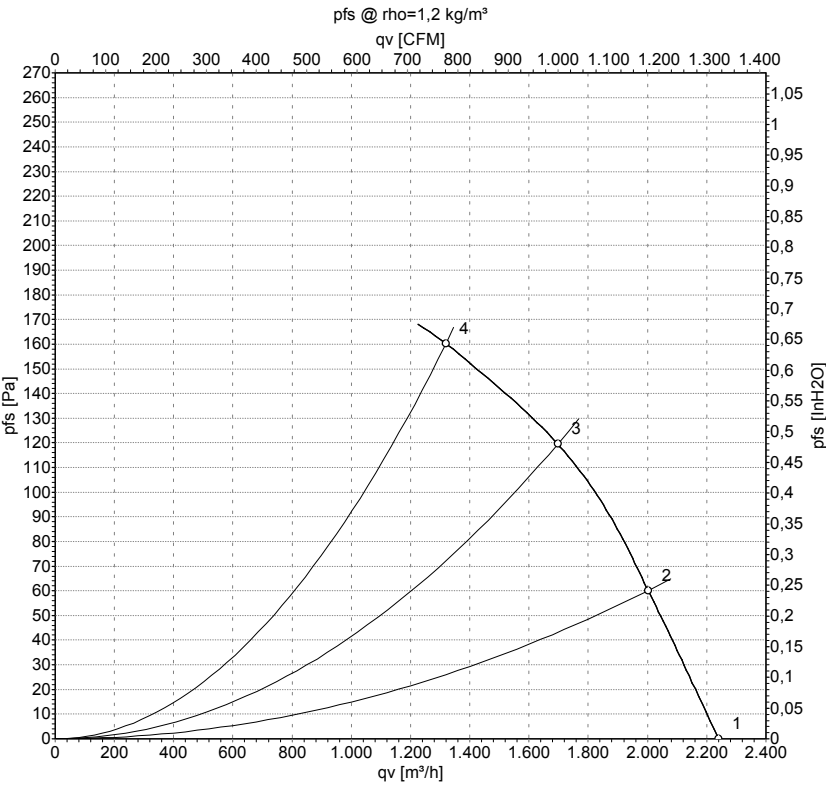
	U	f	n	P _e	I	qv	P _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	115	50	2700	140	1.23	1980	0
2	115	50	2670	147	1.29	1800	50
3	115	50	2620	158	1.38	1550	100
4	115	50	2585	165	1.44	1230	140

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

AC axial fan

sickled blades (S series)

Charts: Air flow 60 Hz



Measurement: LU-74177

Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: LwA measured as per ISO 13347 /
LpA measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	60	3050	195	1.71	2240	0
2	115	60	2965	209	1.83	2005	60
3	115	60	2850	222	1.94	1695	120
4	115	60	2770	229	2.00	1320	160

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



ebm-papst

E-mail: zakaz@ventilatorry.ru