

AC axial fan

sickled blades (S series)
with guard grille for short nozzle



S4E300-AP26-87 ebmpapst Datasheet
sales@fansco.com
www.fansco.com

Nominal data

Type	S4E300-AP26-87		
Motor	M4E068-CF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	1400	1630
Power input	W	68	92
Current draw	A	0.3	0.41
Motor capacitor	µF	2	2
Capacitor voltage	VDB	400	400
Max. back pressure	Pa	80	70
Max. ambient temperature	°C	60	45

ml = max. load · me = max. efficiency · fa = 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

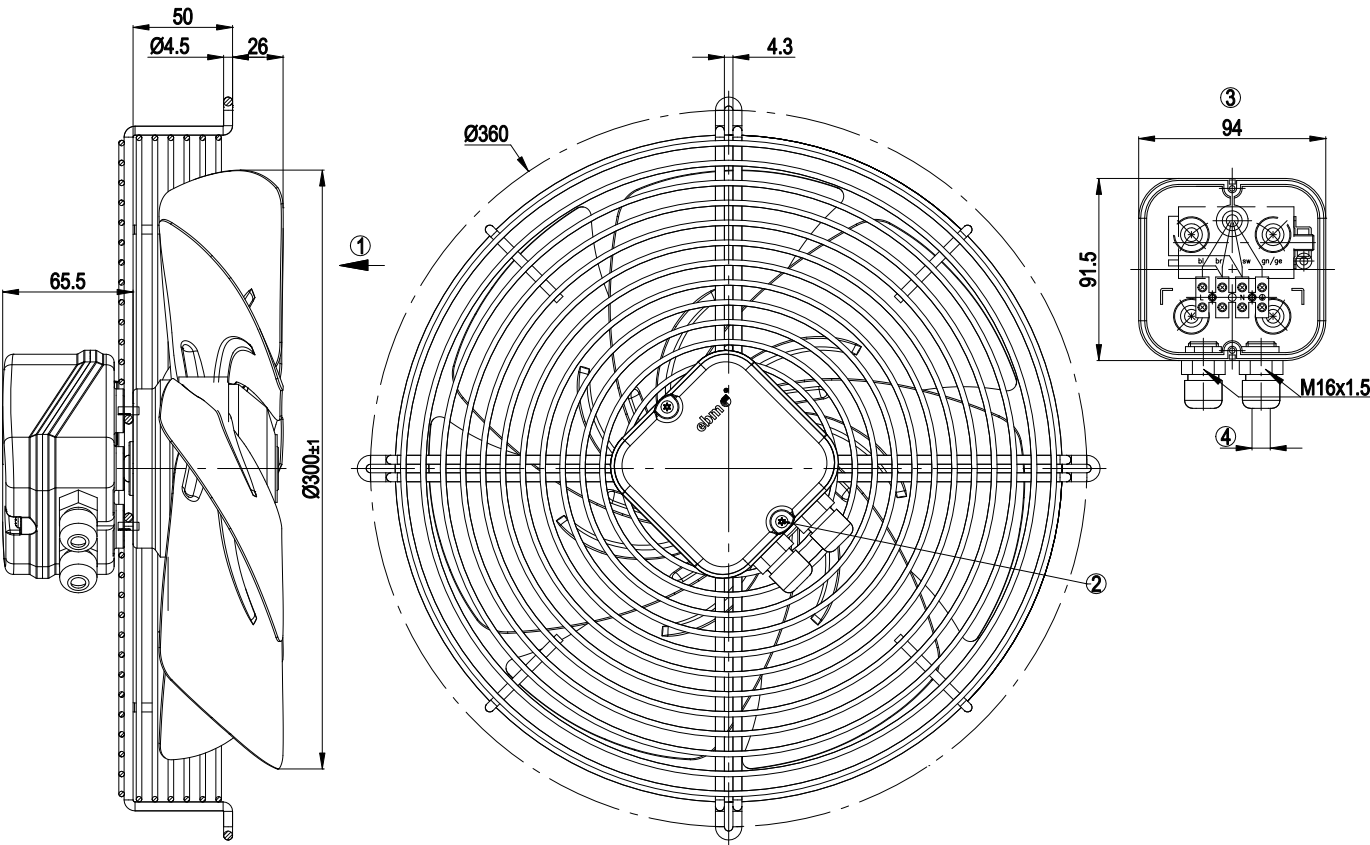
Mass	3.26 kg
Size	300 mm
Surface of rotor	Coated in black
Material of terminal box	ABS plastic, black
Material of blades	Sheet steel, coated in black
Material of guard grille	Steel, phosphated and coated in black plastic
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, 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)	+ 70 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing with anti-freezing grease
Leakage current	< 0.75 mA
Electrical leads	Via terminal box, integrated capacitor connected via terminal box
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



AC axial fan

sickled blades (S series)
with guard grille for short nozzle

Product drawing



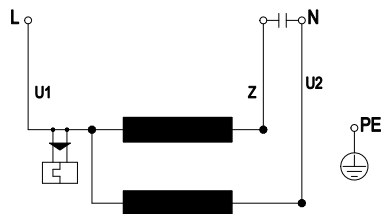
1	Direction of air flow "V"
2	Tightening torque 1.0 ± 0.15 Nm
3	Illustration without terminal box cover
4	Cable diameter: min. 4 mm, max. 10 mm, tightening torque: 4 ± 0.6 Nm



AC axial fan

sickled blades (S series)
with guard grille for short nozzle

Connection screen

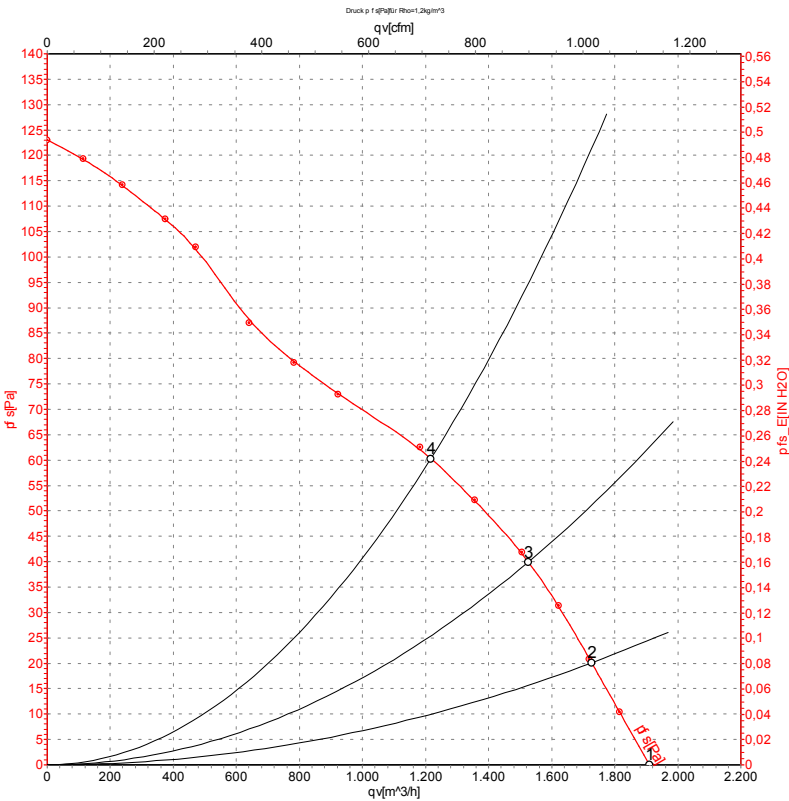


U1	blue	Z	brown	U2	black
PE	green/yellow				



AC axial fan
sickled blades (S series)
with guard grille for short nozzle

Charts: Air flow 50 Hz



Measurement: LU-31732

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.

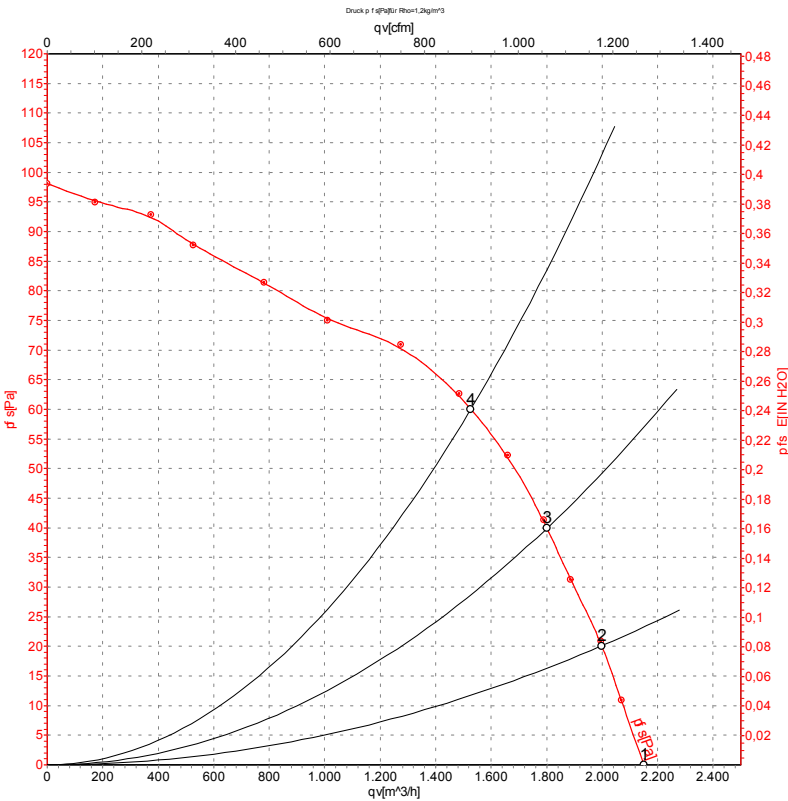
Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	1400	70	0.32	1910	0
2	230	50	1380	74	0.33	1725	20
3	230	50	1365	77	0.34	1525	40
4	230	50	1330	82	0.36	1215	60



AC axial fan
sickled blades (S series)
with guard grille for short nozzle

Charts: Air flow 60 Hz



Measurement: LU-31733

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	m³/h	Pa
1	230	60	1610	94	0.41	2150	0
2	230	60	1575	101	0.44	2000	20
3	230	60	1545	105	0.45	1800	40
4	230	60	1490	109	0.47	1525	60

