

# AC axial fan

sickled blades (S series)

A4E350-AQ02-12 ebmpapst Datasheet  
 sales@fansco.com  
 www.fansco.com

## Nominal data

Type	A4E350-AQ02-12		
Motor	M4E074-EI		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	min <sup>-1</sup>	1450	1700
Power input	W	145	205
Current draw	A	0.68	0.9
Motor capacitor	µF	5	5
Capacitor voltage	VDB	400	400
Max. back pressure	Pa	100	100
Max. ambient temperature	°C	85	75

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)

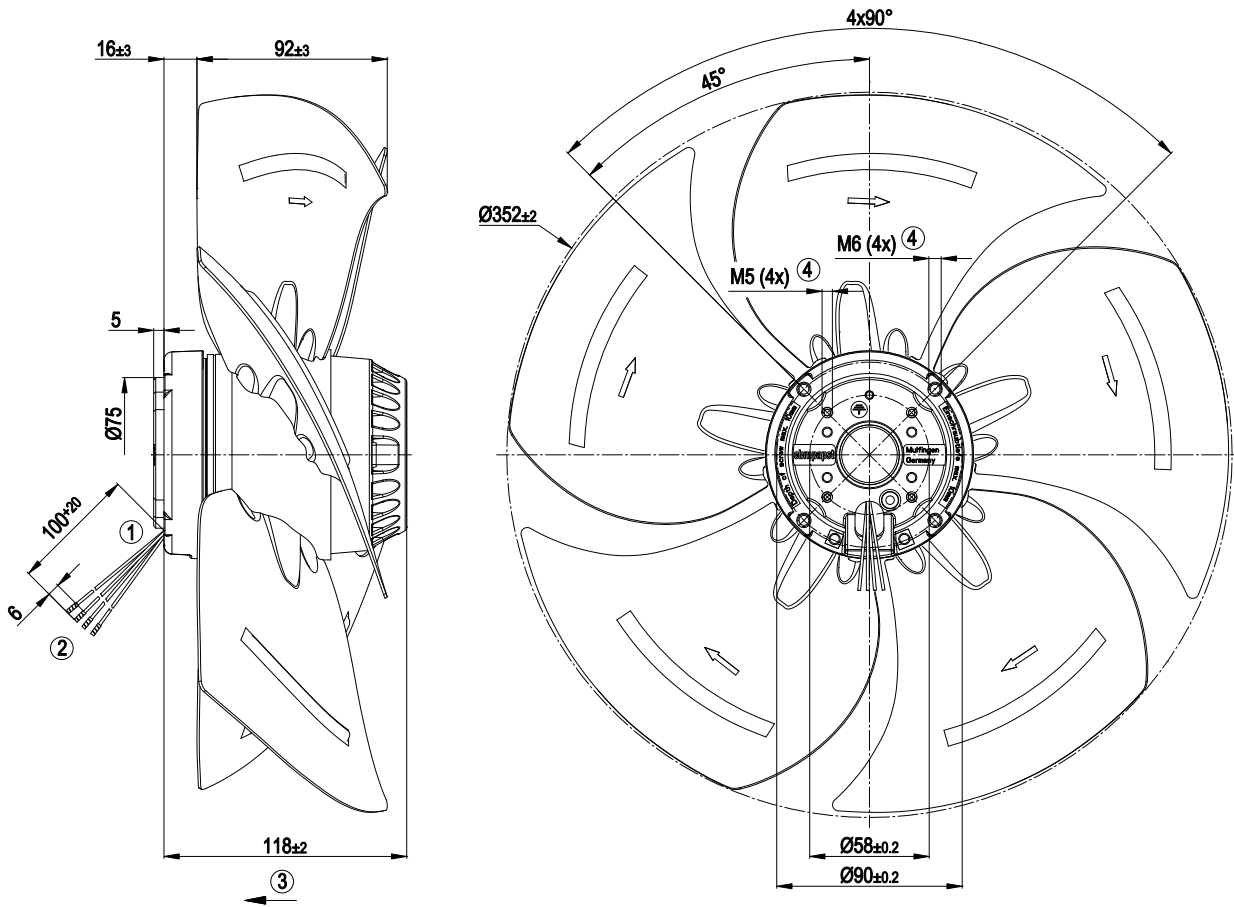
## Technical features

Leakage current	< 0.75 mA
Size	350 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
Electrical leads	Prepared for terminal box installation/assembly
Humidity class	F2-2
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing with anti-freezing grease
Mass	4.15 kg
Material of blades	Sheet steel
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	5
Type of protection	IP 44; Depending on installation and position as per EN 60034-5 The IP protection is guaranteed only if the provided cable guard and terminal box are installed.
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 70 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

# AC axial fan

sickled blades (S series)

Product drawing

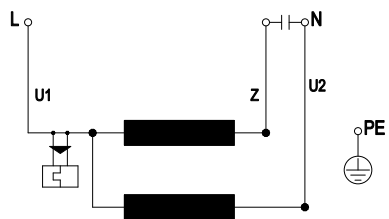


1	Accessory part: Inlet nozzle 64443-1-7612, not included in the standard scope of delivery
2	Connection line halogen- and silicone-free, 4G 0.5 mm <sup>2</sup> , 4 x brass lead tips crimped
3	Direction of air flow "V"
4	Depth of screw max. 10 mm

# AC axial fan

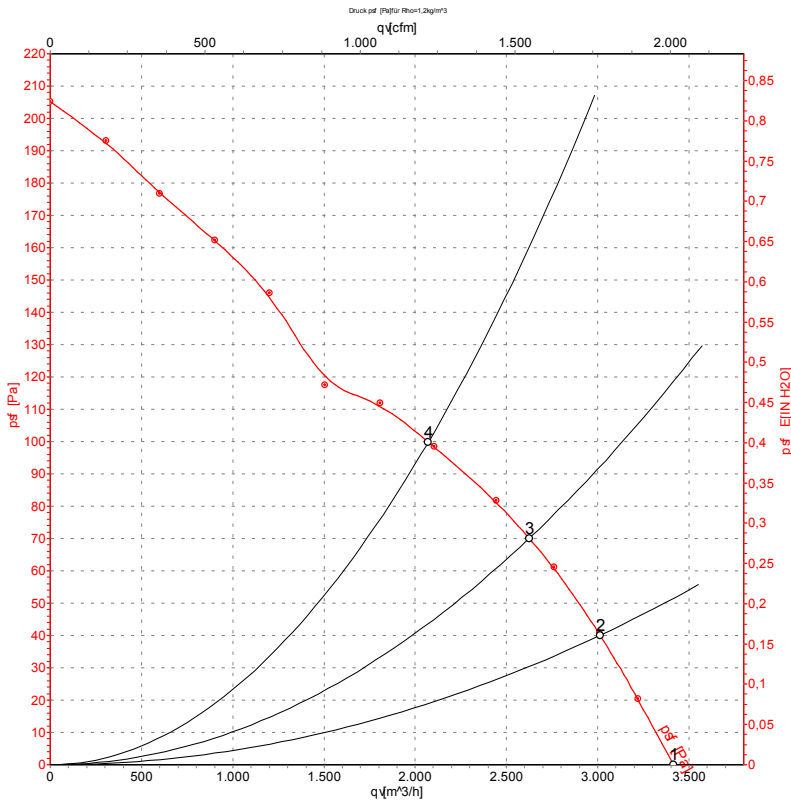
sickled blades (S series)

## Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz



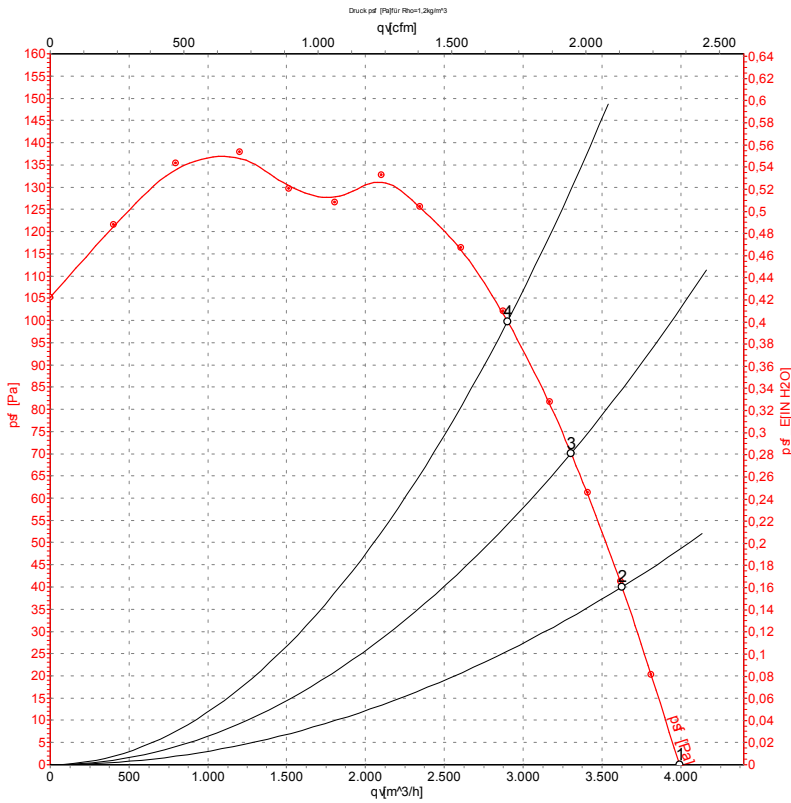
Measurement: LU-71990

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<sub>wA</sub> measured as per ISO 13347 / L<sub>pA</sub> 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 <sub>e</sub>	I	qv	p <sub>sf</sub>
	V	Hz	min <sup>-1</sup>	W	A	m³/h	Pa
1	230	50	1450	145	0.68	3415	0
2	230	50	1430	156	0.72	3015	40
3	230	50	1420	167	0.77	2625	70
4	230	50	1405	184	0.83	2070	100

## Charts: Air flow 60 Hz



Measurement: LU-71991

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 <sub>e</sub>	I	q <sub>v</sub>	p <sub>sf</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	230	60	1700	205	0.90	3995	0
2	230	60	1665	220	0.96	3630	40
3	230	60	1645	233	1.01	3305	70
4	230	60	1620	249	1.08	2900	100