

A4E400-AP02-01

AC axial fan

sickled blades (S series)



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Nominal data

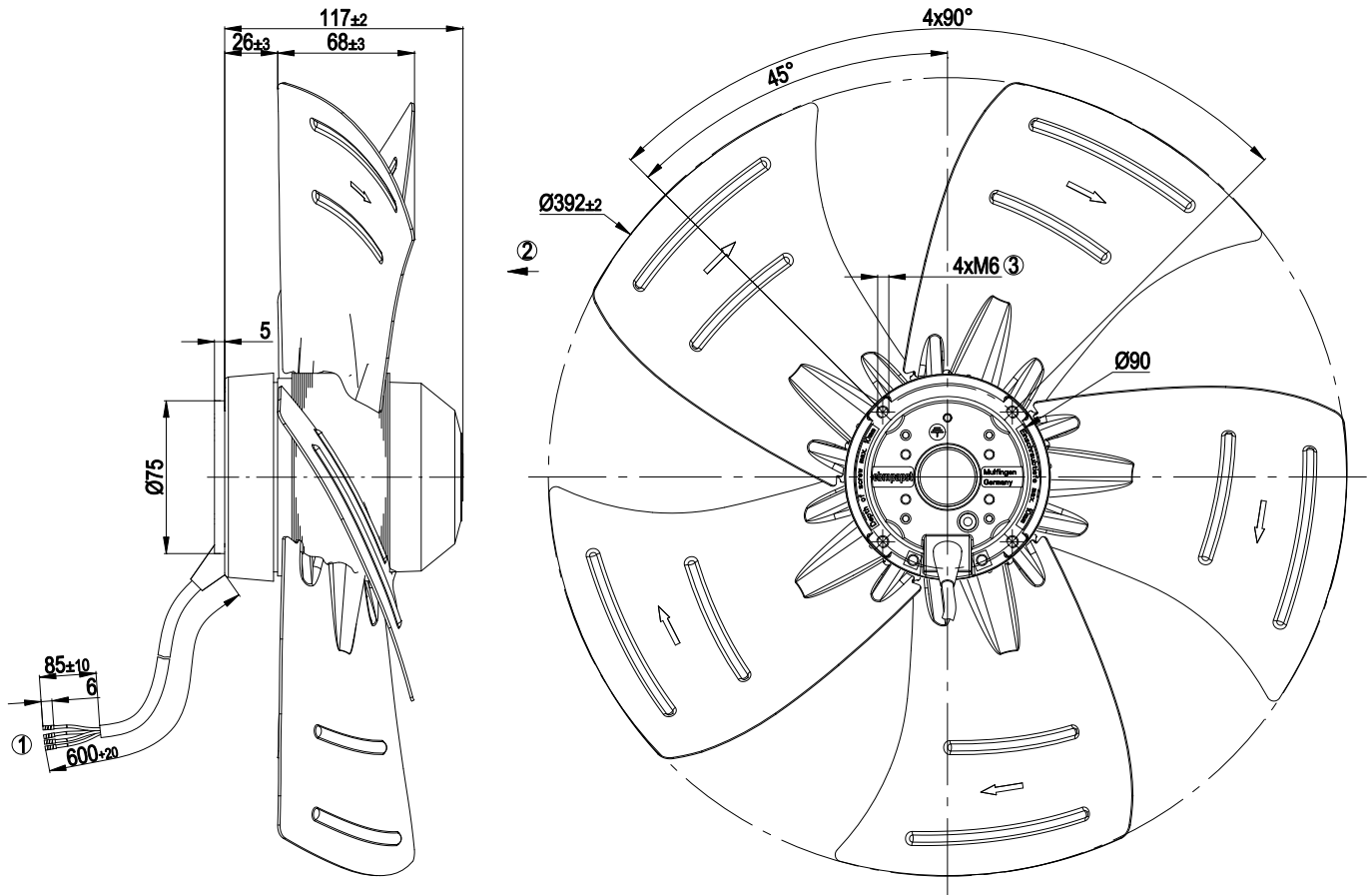
Type	A4E400-AP02-01		
Motor	M4E074-EI		
Phase		1~	1~
Nominal voltage	V	230	230
Frequency	Hz	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	1430	1700
Power input	W	160	240
Current draw	A	0.73	1.06
Motor capacitor	µF	6	6
Capacitor voltage	VDB	400	400
Max. back pressure	Pa	150	75
Max. ambient temperature	°C	40	40

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

Technical features

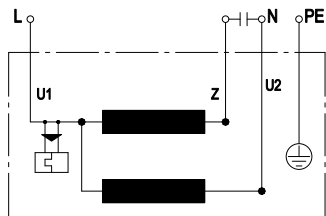
Leakage current	< 0.75 mA
Size	400 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Direction of air flow	"V"
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing
Mass	4.1 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
Number of blades	5
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

Product drawing



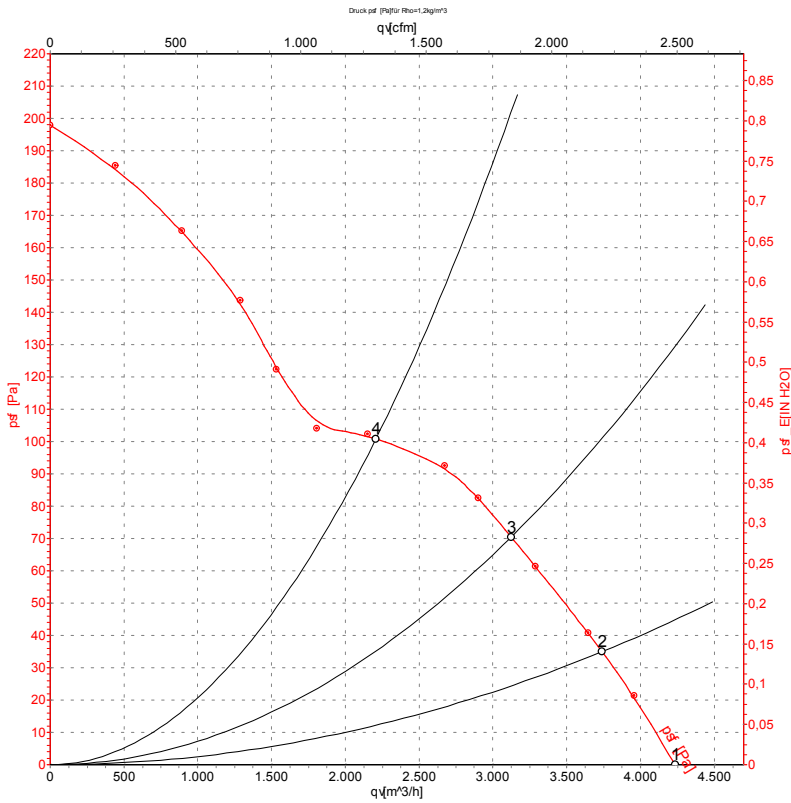
1	Connection line PVC, 4x brass lead tips crimped
2	Direction of air flow "V"
3	Screw depth max. 10 mm

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz



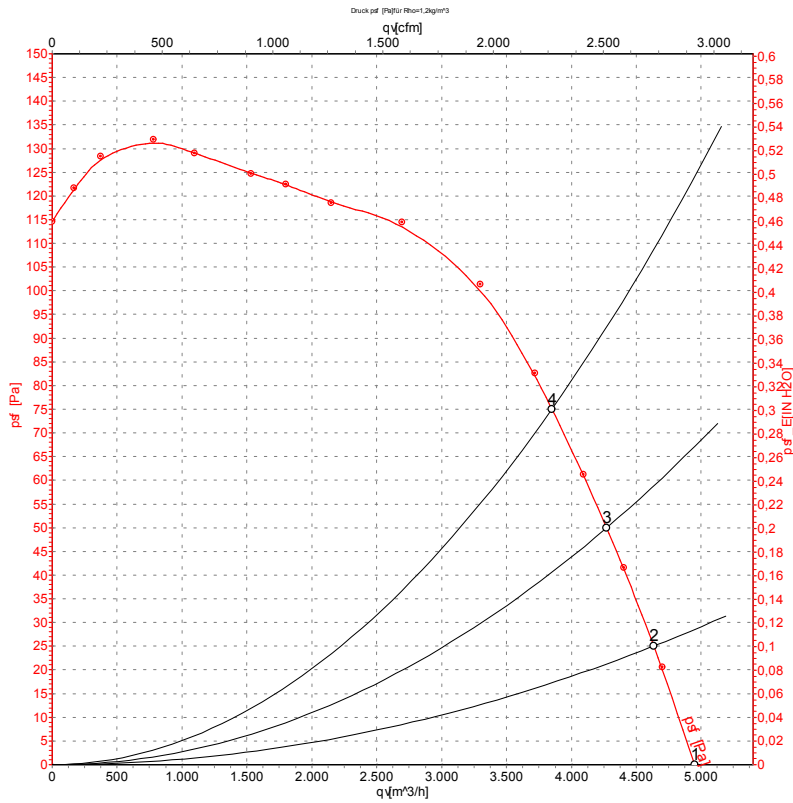
Measurement: LU-30924

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 ₁	I	qv	p _{st}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	1430	160	0.73	4235	0
2	230	50	1425	180	0.81	3740	35
3	230	50	1405	198	0.88	3125	70
4	230	50	1380	219	0.97	2205	100

Charts: Air flow 60 Hz



Measurement: LU-30925

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 ₁	I	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	60	1700	240	1.06	4950	0
2	230	60	1675	255	1.13	4635	25
3	230	60	1645	271	1.19	4270	50
4	230	60	1620	286	1.25	3850	75