

AC axial fan

sickled blades (S series)

A2E200-AA19-52 ebmpapst Datasheet
 sales@fansco.com
 www.fansco.com

Limited partnership · Headquarters Muldingen
 County court Stuttgart · HRA 590344

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

Nominal data

Type	A2E200-AA19-52	
Motor	M2E068-CF	
Phase		1~
Nominal voltage	VAC	115
Frequency	Hz	60
Type of data definition		cs
Valid for approval / standard		UL
Speed	min ⁻¹	3050
Power input	W	82
Current draw	A	0.65
Motor capacitor	µF	8
Capacitor voltage	VDB	220
Capacitor standard		P0 (CE)
Max. ambient temperature	°C	-

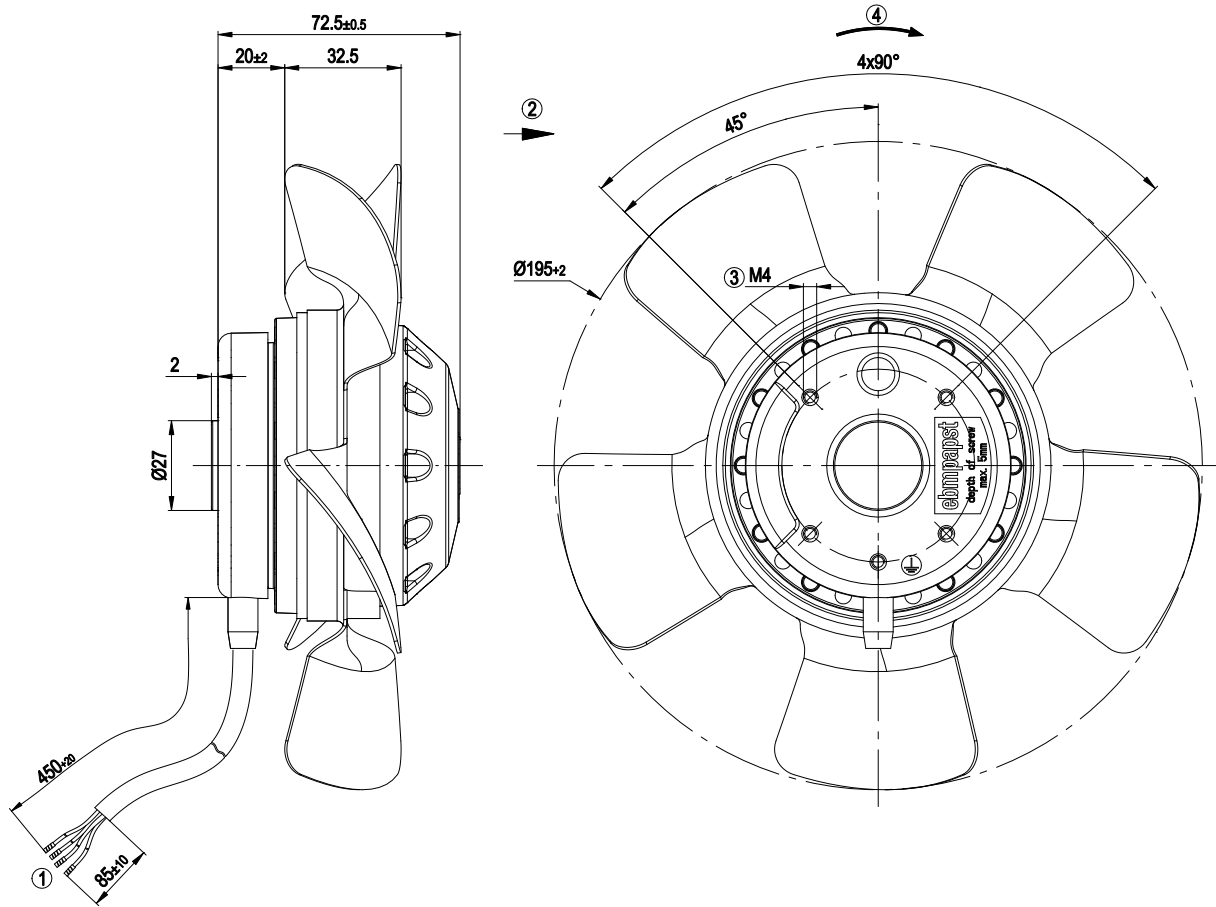
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
 Subject to alterations



Technical features

Size	200 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, hot-dip galvanised
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44
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 bottom; rotor on top on request
Condensate discharge holes	Rotor-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	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	UL 507; CSA C22.2 Nr.113

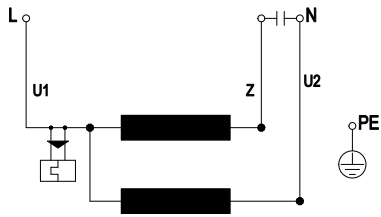
Product drawing



1	Connection line PVC, AWG 20, 4x brass lead tips crimped
2	Direction of air flow "A"
3	Screw depth max. 5 mm
4	Direction of rotation clockwise, seen on rotor



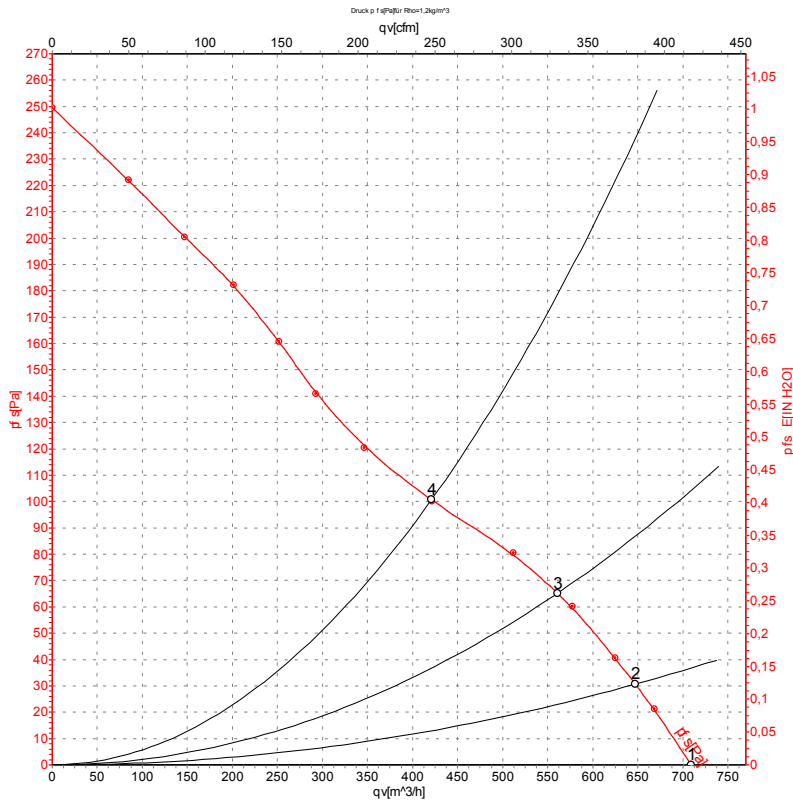
Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				



Charts: Air flow 60 Hz



Measurement: LU-20419

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebmpapst. 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	m ³ /h	Pa
1	115	60	2940	69	0.60	710	0
2	115	60	2905	71	0.62	645	30
3	115	60	2860	73	0.63	560	65
4	115	60	2815	75	0.65	420	100

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

