A4E300-AS37-15

AC axial fan

sickle-shaped blades (S series)



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Nominal data

Type	**A4E300-AS37-15**
Motor	**M4E068-CF**

Phase		1~
Nominal voltage	VAC	200
Frequency	Hz	50
Method of obtaining data		ml
Valid for approval/standard		CE
Speed (rpm)	min^{-1}	1330
Power consumption	W	72
Current draw	A	0.37
Capacitor	µF	2
Capacitor voltage	VDB	400
Capacitor standard		S0 (CE)
Max. back pressure	Pa	55
Max. back pressure	in. wg	0.22
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	70
Starting current	A	0.63

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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Technical description

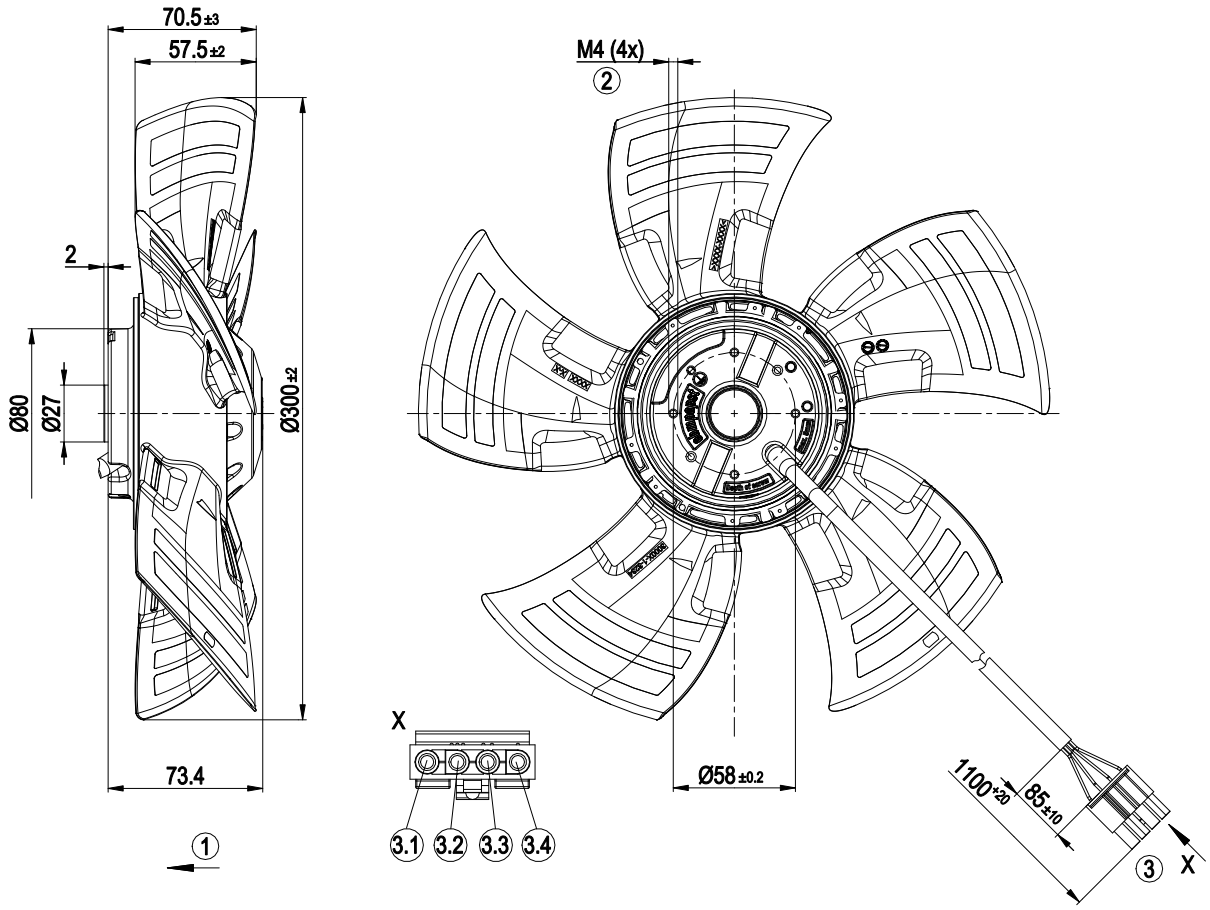
Weight	1.8 kg
Size	300 mm
Motor size	68
Rotor surface	Painted black
Blade material	PP plastic
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	F2-1; H1+
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensation drainage holes	On rotor side
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60034-1; EN 60204-1
Approval	EAC

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Product drawing



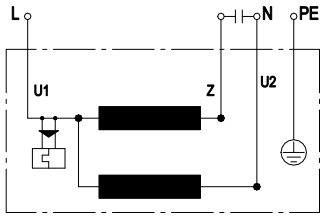
1	Airflow direction "V"
2	Max. clearance for screw 5 mm
3	Cable silicone 4G 0.5 mm², 4-pole connector housing Molex 19-09-1049, 4x plug pin Molex 02-09-2116
3.1	L (blue)
3.2	Z (brown)
3.3	N (black)
3.4	PE (green/yellow)

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Connection diagram



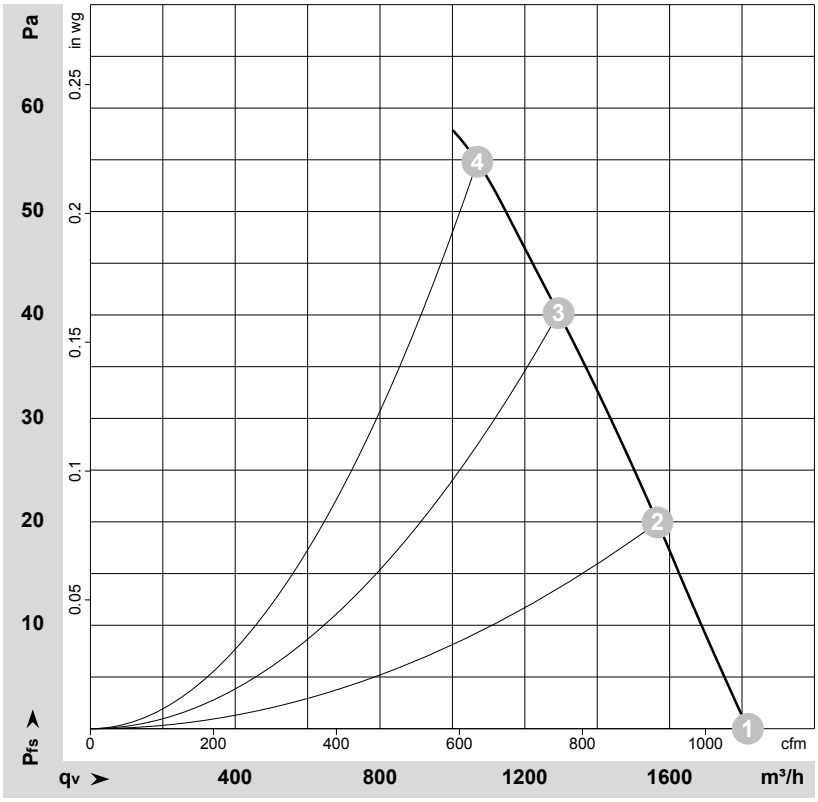
U1	blue	Z	brown	U2	black
PE	green/yellow				

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Curves: Air performance 50 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-168677-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	f	n	P_e	I	LpA_{in}	LwA_{in}	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	dB(A)	dB(A)	m^3/h	Pa	cfm	in. wg
1	200	50	1390	61	0.33	53	59	1815	0	1070	0.00
2	200	50	1370	65	0.34	52	58	1565	20	920	0.08
3	200	50	1355	68	0.36	51	57	1295	40	760	0.16
4	200	50	1330	72	0.37	51	58	1070	55	630	0.22

U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
q_V = Air flow · p_{fs} = Pressure increase

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