

KARTA KATALOGOWA

A4E300-AS72-05

Wentylator osiowy AC, łopatki sierpowe (seria S)

Producent: ebm-papst

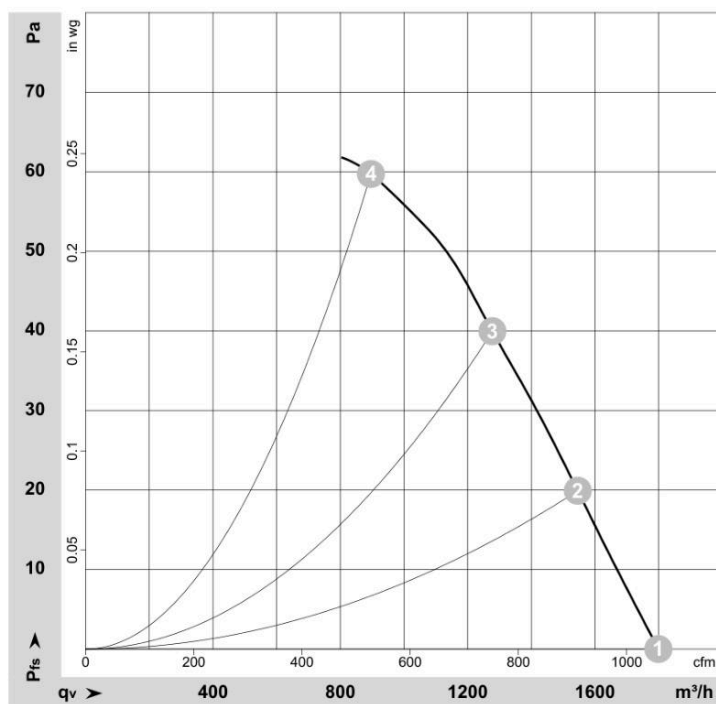


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	300 mm
Częstotliwość	50 / 60 Hz	Silnik	M4E068-CF
Prędkość obrotowa	1320 / 1500 obr/min	Materiał wirnika	tworzywo PP
Pobór mocy	72 / 90 W	Liczba łopatek	5
Pobór prądu	0,32 / 0,4 A	Kierunek obrotów	w prawo, patrząc na wirnik
Prąd rozruchowy	0,6 / 0,57 A	Stopień ochrony	IP44
Maks. przeciwcisnienie	60 Pa	Klasa izolacji	B
Kondensator	2 µF / 400 V	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. wydajność	1800 m³/h	Łożyskowanie	kulkowe, smar niskotemperaturowy
Temperatura otoczenia	-40...+50 °C	Masa	1,9 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz


 $\rho = 1.15 \text{ kg/m}^3 \pm 2\%$

Measurement: LU-112383-1

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 must be checked in the installed unit.

Dane na okładce wg karty ebm-papst; strony producenta przetłumaczone z wersji rosyjskiej (oryg. RUS).
Wartości przy maksymalnym obciążeniu; producent zastrzega możliwość zmian.

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A4E300-AS72-05

AC axial fan

sickle-shaped blades (S series)

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General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	A4E300-AS72-05		
Motor	M4E068-CF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		ml	ml
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	1320	1500
Power consumption	W	72	90
Current draw	A	0.32	0.4
Capacitor	µF	2	2
Capacitor voltage	VDB	400	400
Capacitor standard		S0 (CE)	S0 (CE)
Max. back pressure	Pa	60	60
Min. ambient temperature	°C	-40	-40
Max. ambient temperature	°C	50	50
Starting current	A	0.6	0.57

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


ebmpapst

A4E300-AS72-05

AC axial fan

sickle-shaped blades (S series)

Technical description

Weight	1.9 kg
Fan size	300 mm
Motor size	68
Rotor surface	Painted black
Blade material	PP plastic
Number of blades	5
Airflow direction	A
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44
Degree of protection	Installation- and position-dependent
Insulation class	«B»
Moisture (F) / Environmental (H) protection class	F2-2; H1+
Max. permitted ambient temp. for motor (transport/storage)	+ 70 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Shaft horizontal
Condensation drainage holes	—
Mode	S1
Motor bearing	Ball bearing with low-temperature lubricant
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 60335-1; CE

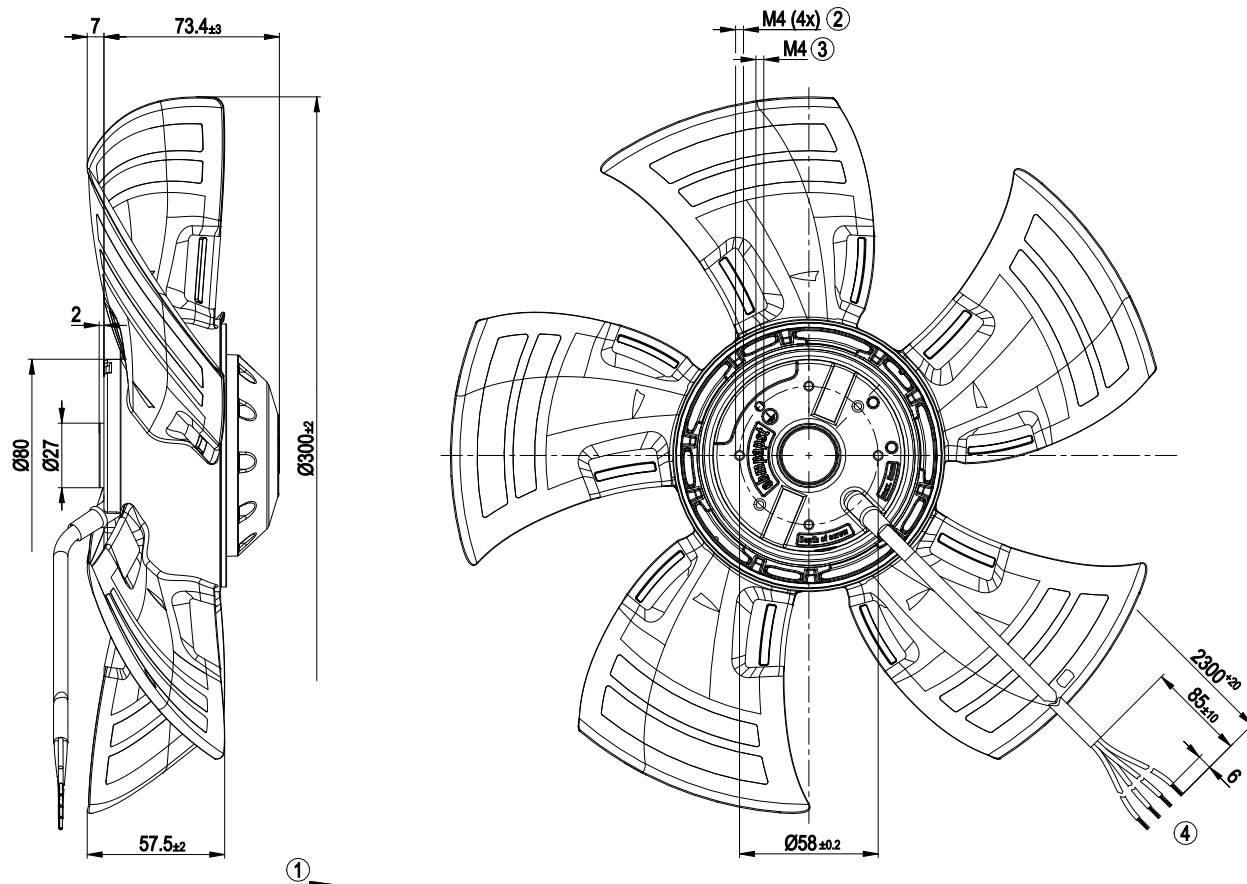


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AC axial fan

sickle-shaped blades (S series)

Product drawing

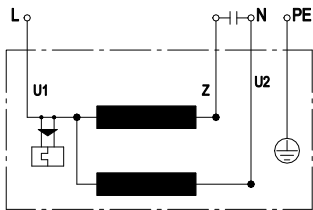


1	Air flow direction "A"
2	Max. clearance for screw 5 mm
3	Max. clearance for screw 5 mm
4	Connection line silicone 4G 0.5 mm², 4 crimped wire end sleeves

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AC axial fan
sickle-shaped blades (S series)

Connection diagram



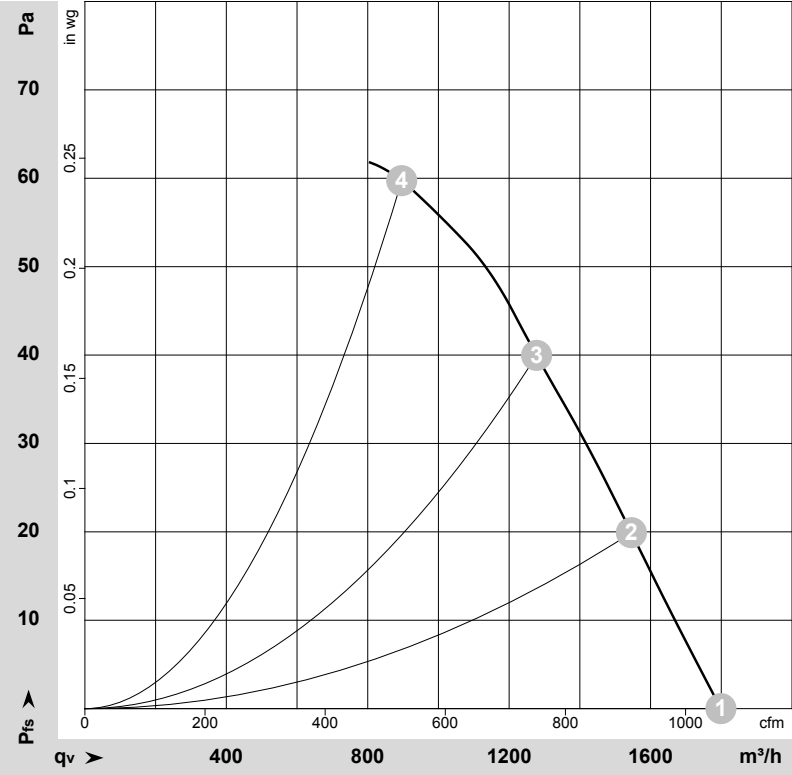
U1	blue	Z	brown	U2	black
PE	green/yellow				



A4E300-AS72-05

AC axial fan
sickle-shaped blades (S series)

Curves: Air performance 50 Hz



$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$

Measurement: LU-112383-1

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 must be checked in the installed unit.

Measured values

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	q _v	P _{ts}	q _v	P _{ts}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa	cfm	in. wg
1	230	50	1385	60	0.28	53	60	1800	0	1060	0.00
2	230	50	1365	63	0.28	52	59	1545	20	910	0.08
3	230	50	1355	66	0.29	51	58	1280	40	750	0.16
4	230	50	1320	72	0.32	53	61	895	60	525	0.24

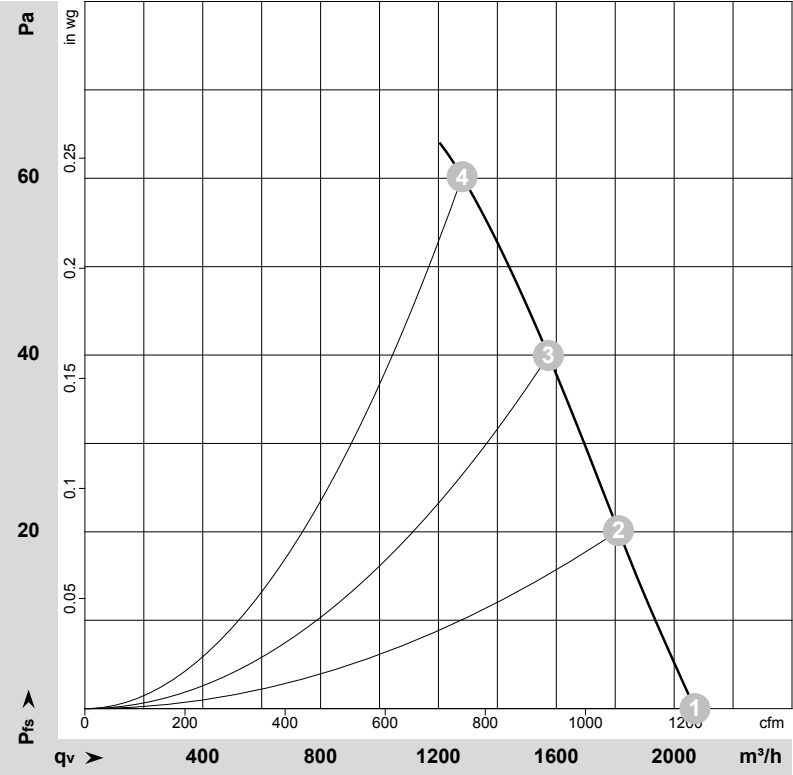
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Intake sound pressure level
LwA_{in} = Intake sound power level · q_v = Air flow · p_s = Pressure increase



A4E300-AS72-05

AC axial fan
 sickle-shaped blades (S series)

Curves: Air performance 60 Hz



ρ = 1.15 kg/m³ ± 2 %
 Measurement: LU-112387-1
 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 must be checked in the installed unit.

Measured values

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	q _v	P _{f,s}	q _v	P _{f,s}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa	cfm	in. wg
1	230	60	1595	78	0.34	56	63	2070	0	1220	0.00
2	230	60	1560	83	0.36	55	62	1810	20	1065	0.08
3	230	60	1535	86	0.37	55	62	1575	40	925	0.16
4	230	60	1500	90	0.40	55	62	1280	60	755	0.24

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Intake sound pressure level
 LwA_{in} = Intake sound power level · q_v = Air flow · p_{f,s} = Pressure increase

