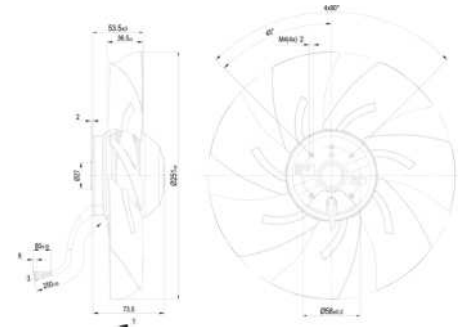


KARTA KATALOGOWA

A2E250-AL06-73

Wentylator osiowy AC, łopatki sierpowe (seria S)

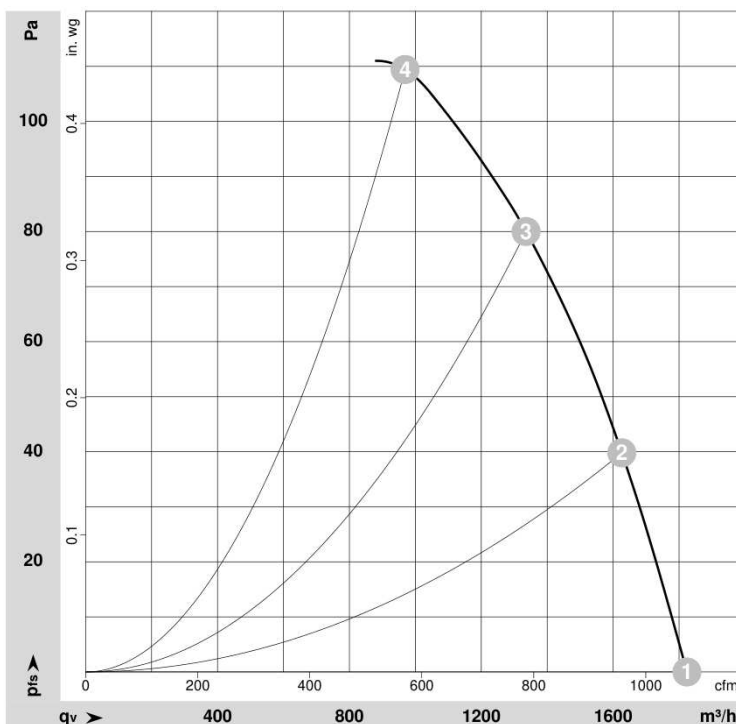
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	250 mm
Częstotliwość	50 / 50 / 60 / 60 Hz	Silnik	M2E068-CF
Prędkość obrotowa	2450 / 2450 / 2600 / 2600 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	125 / 115 / 150 / 165 W	Liczba łopatek	7
Pobór prądu	0,54 / 0,51 / 0,66 / 0,70 A	Kierunek obrotów	w lewo, patrząc na wirnik
Prąd rozruchowy	0,88 / 0,87 A	Stopień ochrony	IP44
Maks. przeciwciśnienie	120 / 120 / 85 / 85 Pa	Klasa izolacji	B
Kondensator	3 µF / 400 V	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura otoczenia	min. -25 °C; maks. 65 / 65 / 50 / 50 °C	Łożyskowanie	kulkowe
		Masa	1,8 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



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

Measurement: LU-59608-1

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.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).

Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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A2E250-AL06-73

AC axial fan

sickle-shaped blades (S series)

ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Nominal data

Type	A2E250-AL06-73				
Motor	M2E068-CF				
Phase		1~	1~	1~	1~
Nominal voltage	VAC	230	230	230	230
Frequency	Hz	50	50	60	60
Method of obtaining data		fa	fa	fa	fa
Valid for approval/standard		UL 2111	CE	CE	UL 2111
Speed (rpm)	min ⁻¹	2450	2450	2600	2600
Power consumption	W	125	115	150	165
Current draw	A	0.54	0.51	0.66	0.70
Capacitor	µF	3	3	3	3
Capacitor voltage	VDB	400	400	400	400
Capacitor standard		UL	S0 (CE)	S0 (CE)	UL
Max. back pressure	Pa	120	120	85	85
Max. back pressure	in. wg	0.48	0.48	0.34	0.34
Min. ambient temperature	°C	-25	-25	-25	-25
Max. ambient temperature	°C	65	65	50	50
Starting current	A		0.88	0.87	

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



A2E250-AL06-73

AC axial fan

sickle-shaped blades (S series)

Technical description

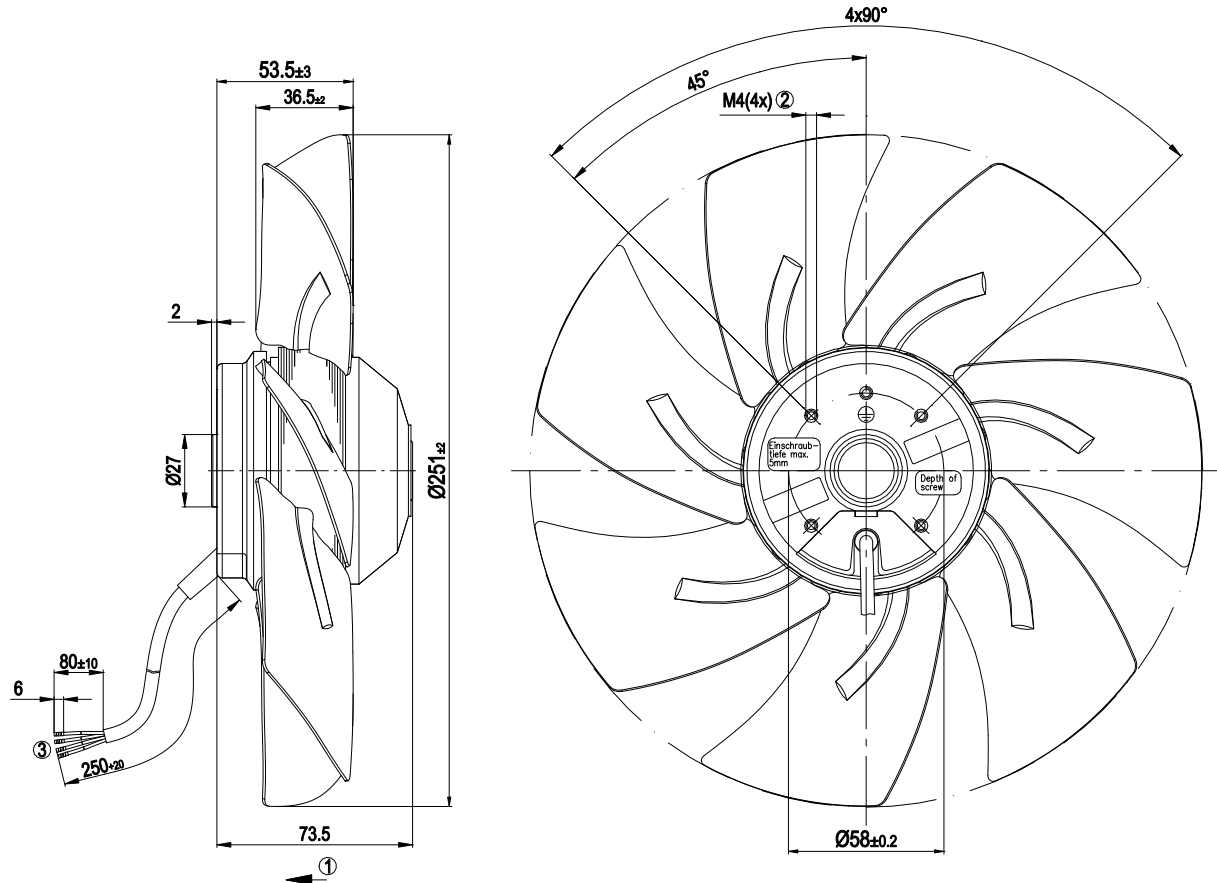
Weight	1.8 kg
Size	250 mm
Motor size	68
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Number of blades	7
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	On stator 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; EN 60335-1; CE
Approval	CSA C22.2 No. 113; EAC; UL 507

A2E250-AL06-73

AC axial fan

sickle-shaped blades (S series)

Product drawing



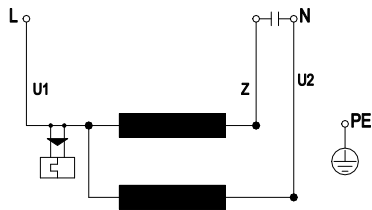
1	Airflow direction "V"
2	Max. clearance for screw 5 mm
3	Cable PVC AWG20
	4x splice

A2E250-AL06-73

AC axial fan

sickle-shaped blades (S series)

Connection diagram



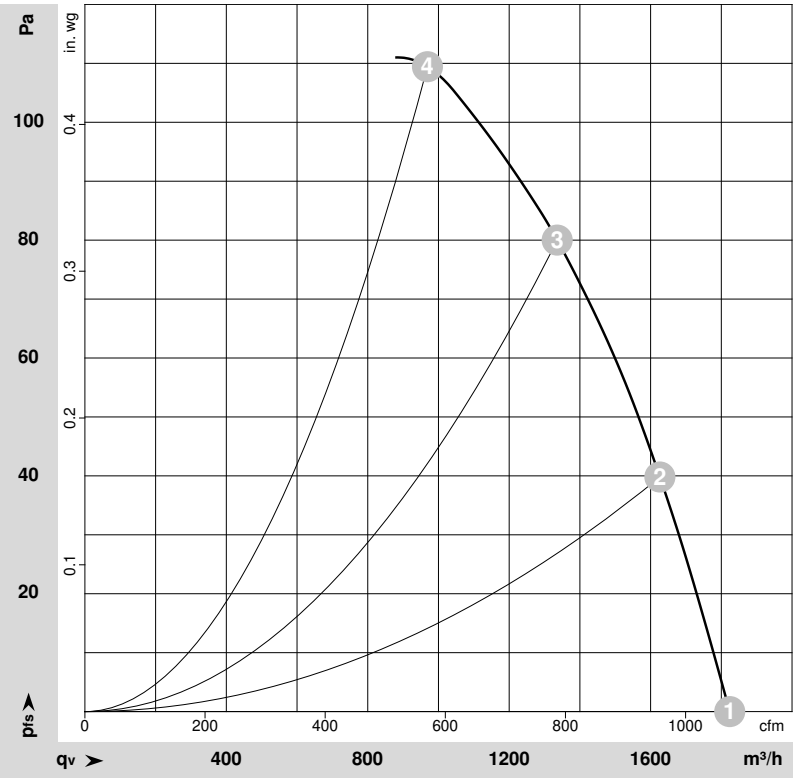
U1	blue	Z	brown	U2	black
PE	green/yellow				



A2E250-AL06-73

AC axial fan
sickle-shaped blades (S series)

Curves: Air performance 50 Hz



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

Measurement: LU-59608-1

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

	Wired	U	f	n	P _e	I	q _v	P _{fs}	q _v	P _{fs}
		V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	1~	230	50	2450	115	0.51	1825	0	1075	0.00
2	1~	230	50	2415	121	0.52	1625	40	955	0.16
3	1~	230	50	2320	129	0.56	1335	80	785	0.32
4	1~	230	50	2265	134	0.58	970	110	570	0.44

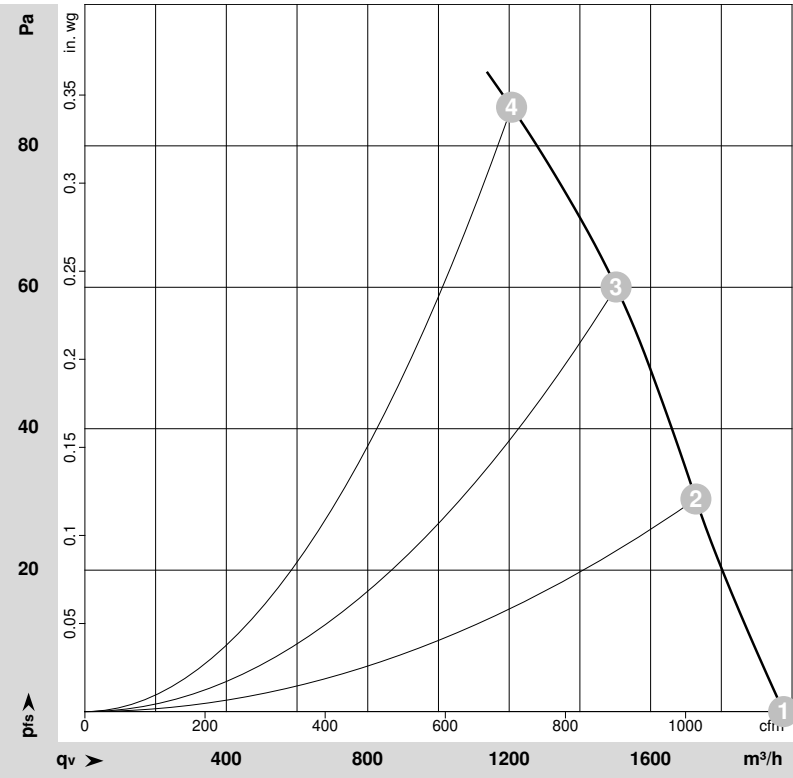
Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



A2E250-AL06-73

AC axial fan
sickle-shaped blades (S series)

Curves: Air performance 60 Hz



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

Measurement: LU-59609-1

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

	Wired	U	f	n	P _e	I	q _v	p _{fs}	q _v	p _{fs}
		V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	1~	230	60	2600	150	0.66	1975	0	1165	0.00
2	1~	230	60	2520	156	0.68	1730	30	1015	0.12
3	1~	230	60	2405	160	0.70	1500	60	885	0.24
4	1~	230	60	2285	164	0.72	1205	85	710	0.34

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase

