

KARTA KATALOGOWA

A2E250-AE65-55

Wentylator osiowy AC, łopatki proste (seria A)

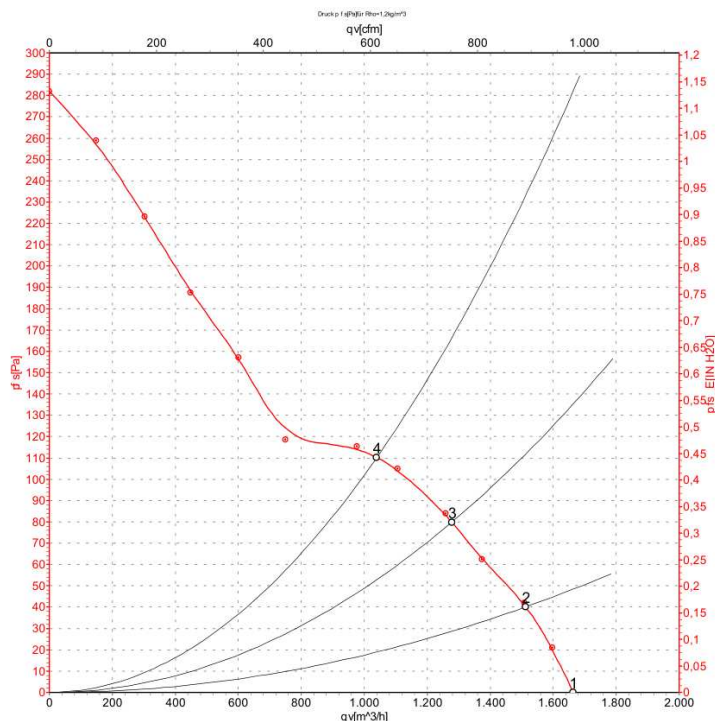
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	250 mm
Częstotliwość	50 / 60 / 60 Hz	Silnik	M2E068-DF
Prędkość obrotowa	2550 / 2750 / 2750 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	115 / 165 / 175 W	Liczba łopatek	5
Pobór prądu	0,51 / 0,74 / 0,74 A	Kierunek obrotów	w lewo, patrząc na wirnik
Prąd rozruchowy	0,9 A	Stopień ochrony	IP44
Maks. przeciwcisnienie	150 / 130 / 130 Pa	Klasa izolacji	B
Kondensator	4 µF / 400 V	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura otoczenia	maks. 55 / 50 / 50 °C	Łożyskowanie	kulkowe
		Masa	2,2 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-68411

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.

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-AE65-55

AC axial fan

straight blades (A series)



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Nominal data

Type	A2E250-AE65-55			
Motor	M2E068-DF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	CE	UL
Speed	min ⁻¹	2550	2750	2750
Power input	W	115	165	175
Current draw	A	0.51	0.74	0.74
Motor capacitor	µF	4	4	4
Capacitor voltage	VDB	400	400	400
Capacitor standard		P0 (CE)	P0 (CE)	UL
Max. back pressure	Pa	150	130	130
Max. ambient temperature	°C	55	50	50
Starting current	A	0.9	0.9	0.9

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



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AC axial fan

straight blades (A series)

Technical features

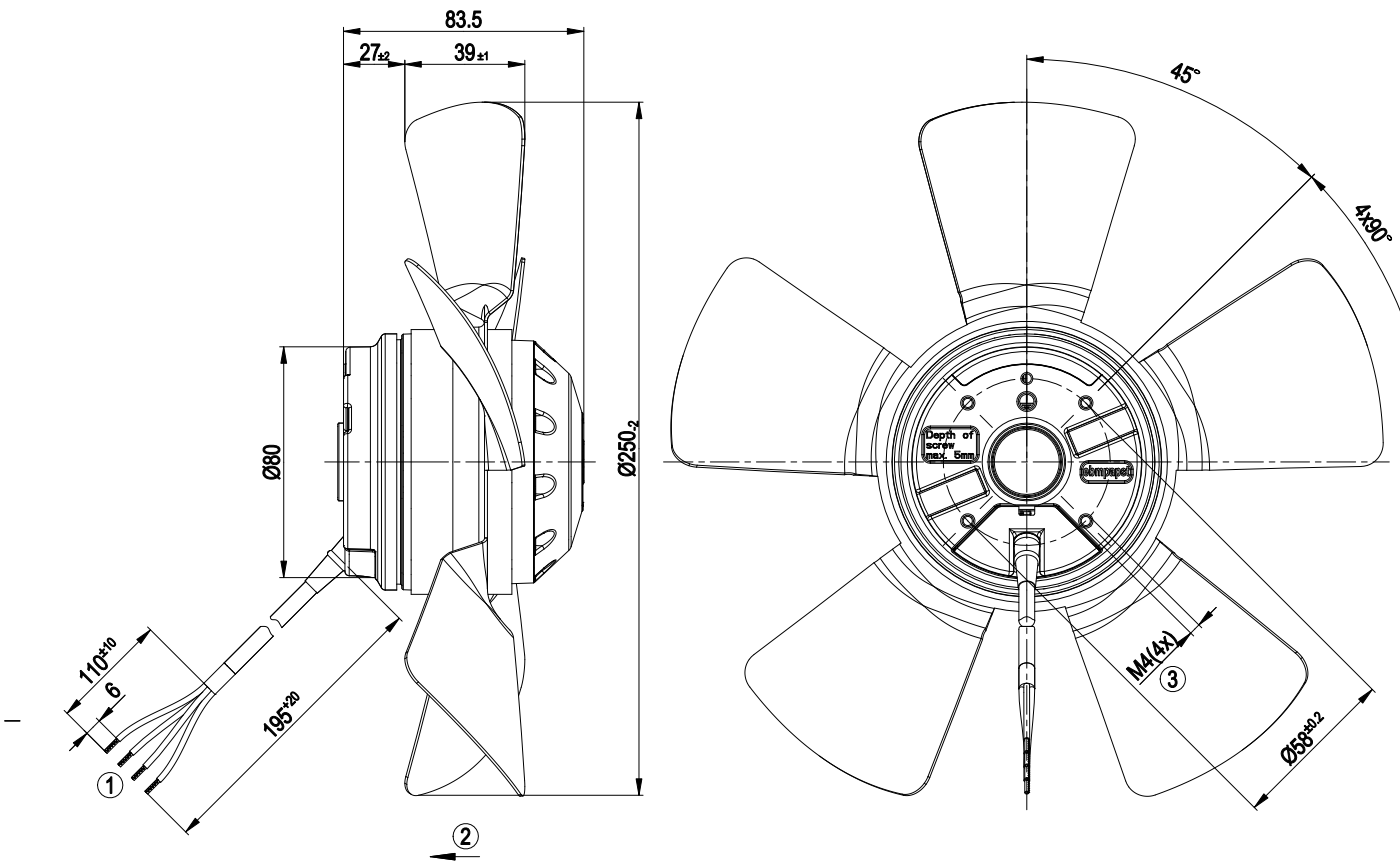
Mass	2.2 kg
Size	250 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation 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 top; rotor on bottom 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	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	UL 2111; CSA C22.2 Nr.77



A2E250-AE65-55

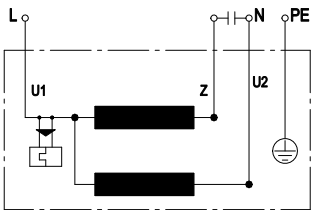
AC axial fan
straight blades (A series)

Product drawing



1	Connection line PVC 4G AWG 20 0.5mm², 4x brass lead tips crimped
2	Direction of air flow "V"
3	Depth of screw max. 10mm

Connection screen



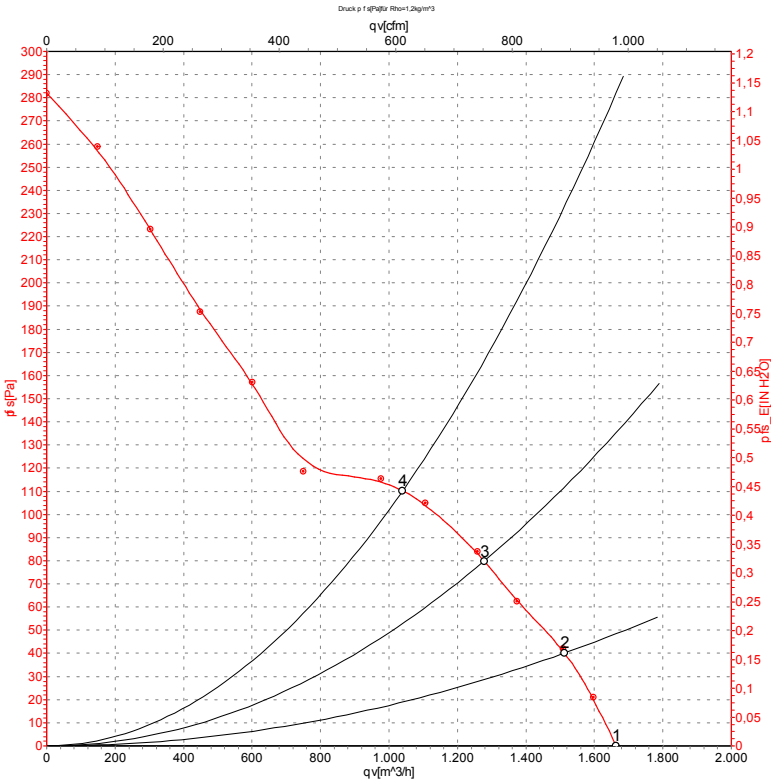
U1	blue	Z	brown	U2	black
PE	green/yellow				



A2E250-AE65-55

AC axial fan
straight blades (A series)

Charts: Air flow 50 Hz



Measurement: LU-68411

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 _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	2550	115	0.51	1660	0
2	230	50	2460	127	0.55	1515	40
3	230	50	2430	129	0.56	1280	80
4	230	50	2430	129	0.56	1040	110

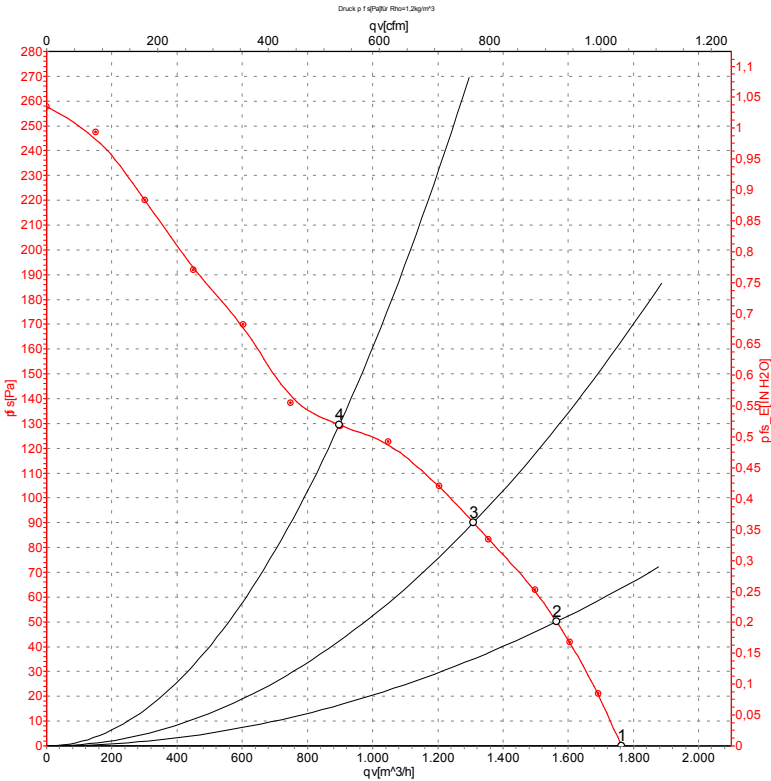
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



A2E250-AE65-55

AC axial fan
straight blades (A series)

Charts: Air flow 60 Hz



Measurement: LU-68412

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 _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	2750	165	0.74	1760	0
2	230	60	2580	171	0.75	1565	50
3	230	60	2525	175	0.76	1310	90
4	230	60	2590	170	0.75	900	130

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

