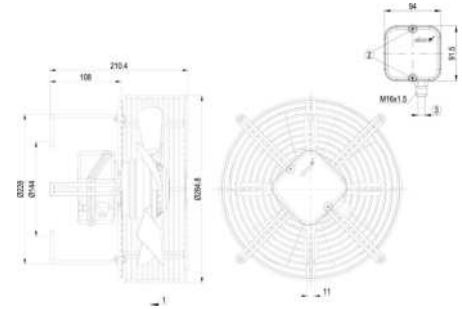


KARTA KATALOGOWA

S2E250-AF06-19

Wentylator osiowy AC, łopatki proste (seria A), jednostronnie ssący, z kratką ochronną

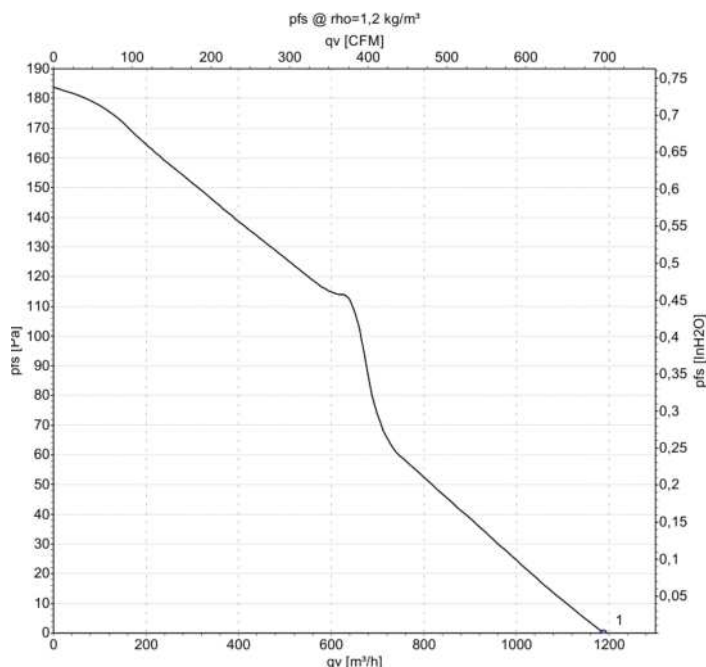
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	250 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-CF
Prędkość obrotowa	2400 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	120 / 160 W	Kratka ochronna	stal powlekana czarnym tworzywem (RAL 9005)
Pobór prądu	0,53 / 0,7 A	Liczba łopatek	5
Kondensator	3 µF / 400 V	Kierunek obrotów	w lewo, patrząc na wirnik
Temperatura otoczenia	min. -25 °C; maks. 75 / 60 °C	Stopień ochrony	IP44
		Klasa izolacji	F
		Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Podłączenie	skrzynka zaciskowa, kondensator wbudowany
		Masa	3,7 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-114473-1

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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S2E250-AF06-19

AC axial fan

straight blades (A series), single-intake
with guard grille

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Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Nominal data

Type	S2E250-AF06-19		
Motor	M2E068-CF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	2400	2400
Power consumption	W	120	160
Current draw	A	0.53	0.7
Capacitor	µF	3	3
Capacitor voltage	VDB	400	400
Capacitor standard		S0 (CE)	S0 (CE)
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	75	60

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



S2E250-AF06-19

AC axial fan

straight blades (A series), single-intake
with guard grille

Technical description

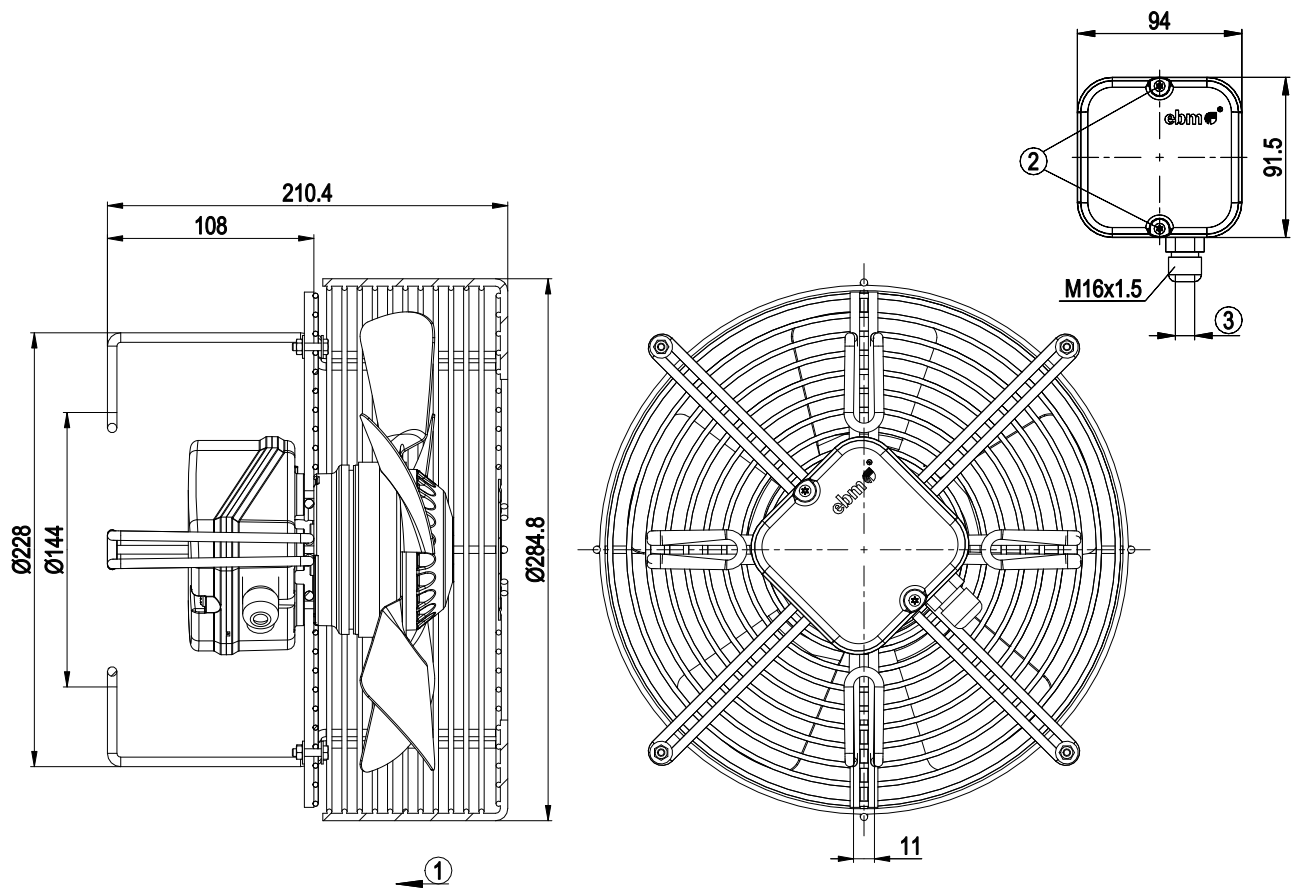
Weight	3.7 kg
Size	250 mm
Motor size	68
Rotor surface	Painted black
Terminal box material	PC/ABS plastic
Blade material	Sheet steel, painted black
Guard grille material	Steel, coated with black plastic (RAL 9005)
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
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	None
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Terminal box; Via terminal box, capacitor integrated and connected
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class	I (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE

S2E250-AF06-19

AC axial fan

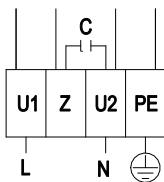
straight blades (A series), single-intake
with guard grille

Product drawing



1	Airflow direction "V"
2	Tightening torque 0.5 ± 0.1 Nm
3	Cable diameter min. 4 mm, max. 10 mm, tightening torque 2.5 ± 0.4 Nm

Connection diagram



L	= U1 = blue	Z	brown	N	= U2 = black
PE	green/yellow				



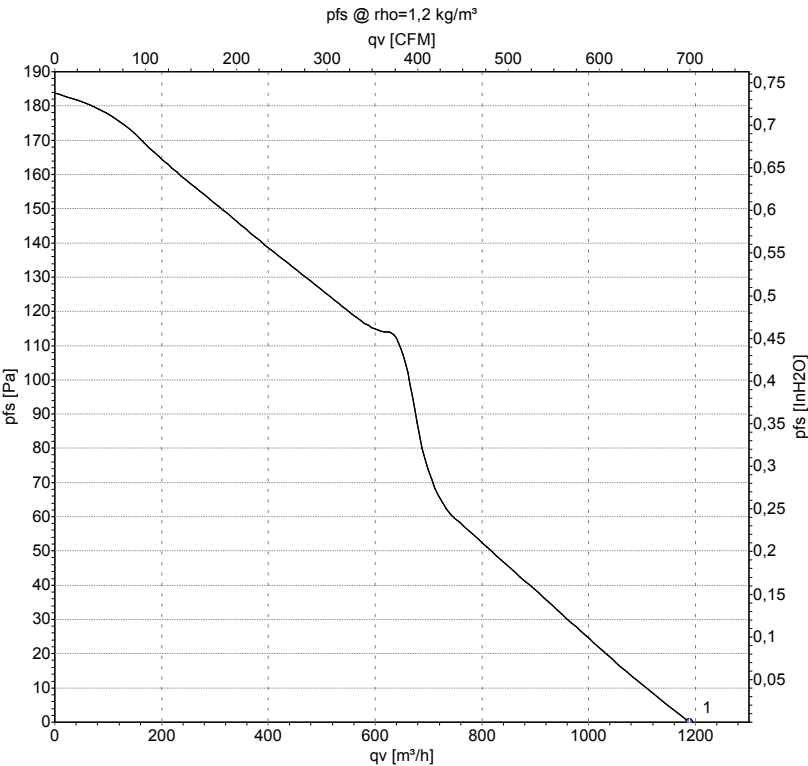
S2E250-AF06-19

AC axial fan

straight blades (A series), single-intake

with guard grille

Curves: Air performance 50 Hz



Measurement: LU-114473-1

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	q _v	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	cfm	in. wg
1	230	50	2400	120	0.53	1190	700	0.00

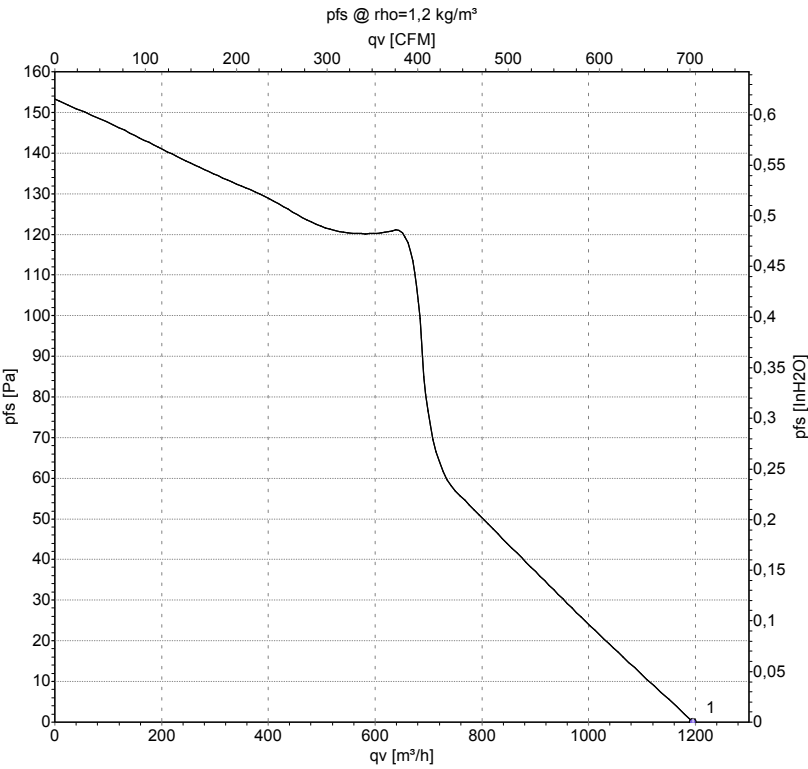
U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow



S2E250-AF06-19

AC axial fan
straight blades (A series), single-intake
with guard grille

Curves: Air performance 60 Hz



Measurement: LU-114474-1

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	q _v	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	cfm	in. wg
1	230	60	2400	160	0.70	1195	705	0.00

U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow

