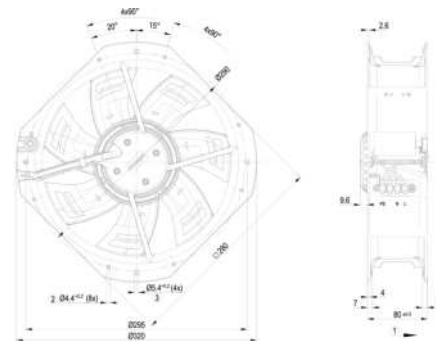


KARTA KATALOGOWA

W2E250-HQ52-12

Wentylator osiowy kompaktowy AC, łopatki sierpowe (seria S)

Producent: ebm-papst



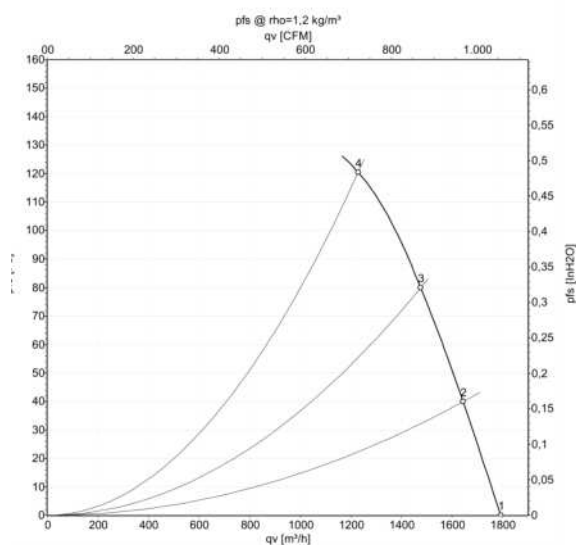
Dane znamionowe	
Napięcie znamionowe	1~ 230 V
Częstotliwość	50 / 60 / 60 Hz
Prędkość obrotowa	2500 / 2600 / 2600 obr/min
Pobór mocy	136 / 185 / 195 W
Pobór prądu	0,61 / 0,82 / 0,83 A
Prąd rozruchowy	1,15 / 1,07 A
Maks. przeciwcisnienie	120 / 130 / 130 Pa
Kondensator	3 µF / 400 V
Temperatura otoczenia	min. -25 °C; maks. 70 / 60 / 60 °C

Dane ErP (UE 327/2011)	
Sprawność całkowita	29 %
Przepływ w pkt. optymalnym	1200 m³/h
Przyrost ciśnienia	119 Pa
Regulacja prędkości (ErP)	nie

Budowa	
Wielkość	250 mm
Silnik	M2E068-DF
Materiał wirnika	blacha stalowa natryskiwana tworzywem PP
Obudowa	odlew aluminiowy
Liczba łopatek	7
Kierunek obrotów	w lewo, patrząc na wirnik
Stopień ochrony	IP44
Klasa izolacji	F
Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Podłączenie	listwa zaciskowa, kondensator podłączony
Masa	3,1 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-156148-1

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 maksymalnym obciążeniu; producent zastrzega możliwość zmian.

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biuro@luftberg.pl · www.luftberg.pl

W2E250-HQ52-12

AC axial compact 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	W2E250-HQ52-12			
Motor	M2E068-DF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Method of obtaining data		ml	ml	ml
Valid for approval/standard		CE	CE	UL 2111
Speed (rpm)	min ⁻¹	2500	2600	2600
Power consumption	W	136	185	195
Current draw	A	0.61	0.82	0.83
Capacitor	µF	3	3	3
Capacitor voltage	VDB	400	400	400
Capacitor standard		S0 (CE)	S0 (CE)	UL
Max. back pressure	Pa	120	130	130
Max. back pressure	in. wg	0.48	0.52	0.52
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	70	60	60
Starting current	A	1.15	1.07	

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

Data according to Commission Regulation (EU) 327/2011

		Actual	Req. 2015			
01 Overall efficiency η_{es}	%	29	28.1	09 Power consumption P_e	kW	0.13
02 Measurement category		A		09 Air flow q_v	m³/h	1200
03 Efficiency category		Static		09 Pressure increase p_{fs}	Pa	119
04 Efficiency grade N		40.9	40	10 Speed (rpm) n	min ⁻¹	2510
05 Variable speed drive		No		11 Specific ratio*		1.00

Data obtained at optimum efficiency level.

The ErP data is determined using a motor-impeller combination in a standardized measurement setup.

* Specific ratio = $1 + p_{fs} / 100\,000\text{ Pa}$

LU-156148



W2E250-HQ52-12

AC axial compact fan

sickle-shaped blades (S series)

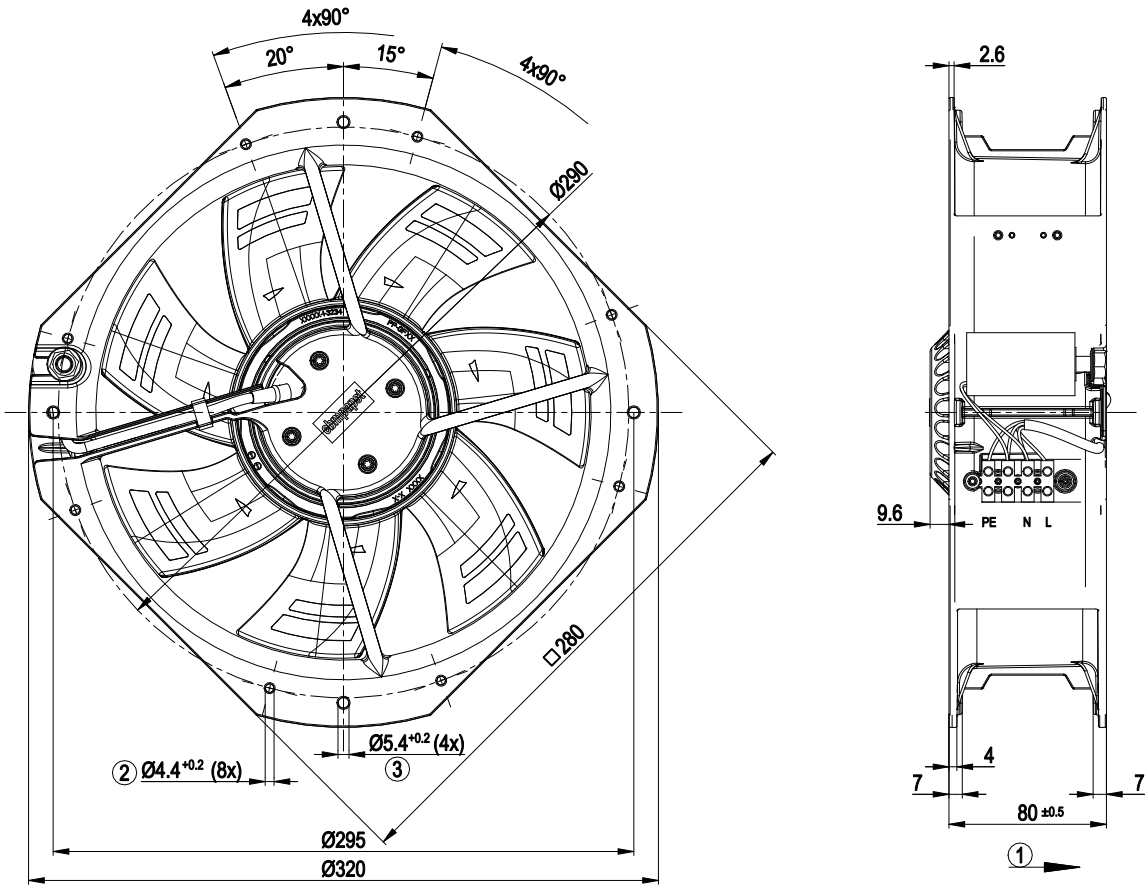
Technical description

Weight	3.1 kg
Size	250 mm
Motor size	68
Rotor surface	Painted black
Blade material	Press-fitted sheet steel blank, sprayed with PP plastic
Fan housing material	Die-cast aluminum
Number of blades	7
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	H0 - dry environment
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 mounting	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Via terminal strip, capacitor 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
Approval	UL 1004-3; CSA C22.2 No. 77

W2E250-HQ52-12

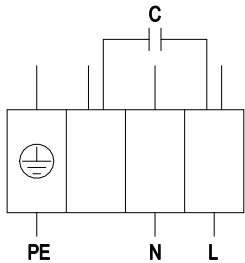
AC axial compact fan
sickle-shaped blades (S series)

Product drawing



1	Direction of air flow "V"
2	For self-tapping M5 screws
3	For self-tapping M6 screws

Connection diagram



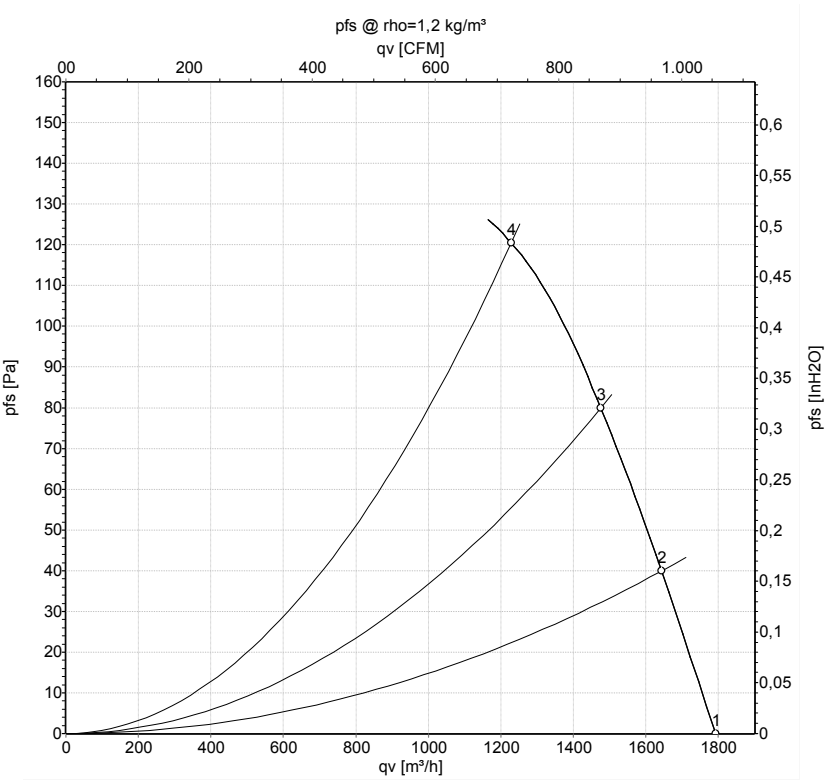
PE	green/yellow	N	blue	L	black
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W2E250-HQ52-12

AC axial compact fan
sickle-shaped blades (S series)

Curves: Air performance 50 Hz



Measurement: LU-156148-1

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)	m³/h	Pa	cfm	in. wg
1	230	50	2685	108	0.49	62	69	1790	0	1055	0.00
2	230	50	2630	118	0.53	63	69	1645	40	965	0.16
3	230	50	2570	127	0.57	63	70	1475	80	870	0.32
4	230	50	2500	136	0.61	64	71	1230	120	725	0.48

U = Power supply · 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

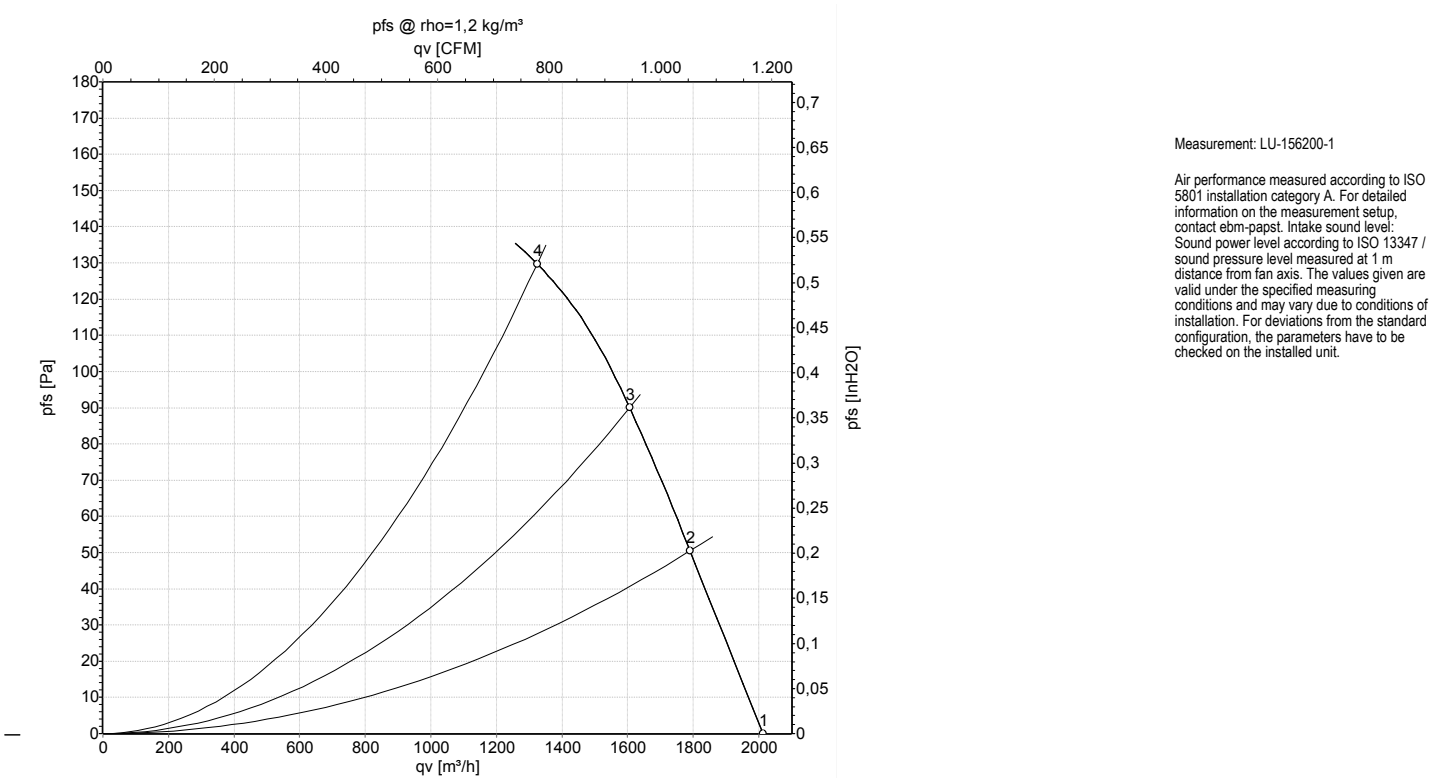


W2E250-HQ52-12

AC axial compact fan

sickle-shaped blades (S series)

Curves: Air performance 60 Hz



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)	m³/h	Pa	cfm	in. wg
1	230	60	2990	153	0.66	65	72	2015	0	1185	0.00
2	230	60	2875	162	0.70	65	71	1790	50	1055	0.20
3	230	60	2755	174	0.75	64	71	1605	90	945	0.36
4	230	60	2600	185	0.82	65	72	1325	130	780	0.52

U = Power supply · 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

