

KARTA KATALOGOWA

W2S130-AA25-77

Wentylator osiowy kompaktowy AC, łopatki sierpowe (seria S)

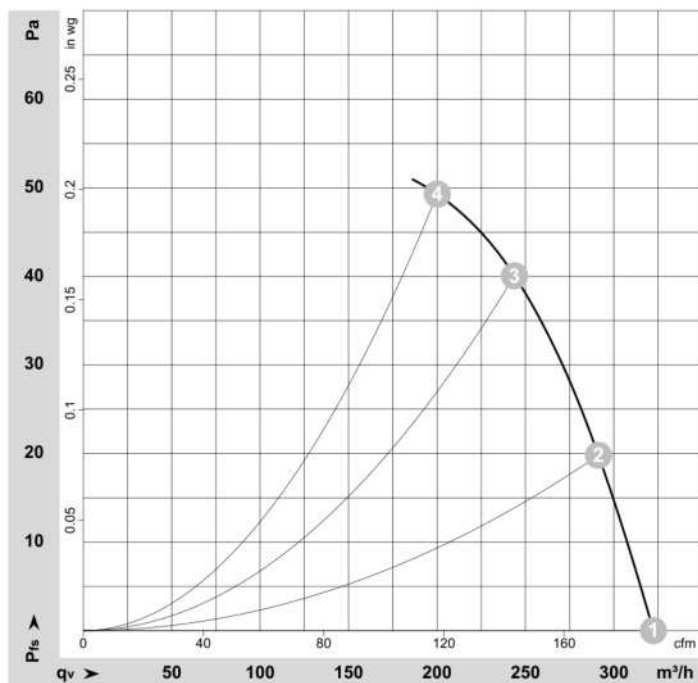
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 115 V	Wielkość	130 mm
Częstotliwość	50 / 60 / 60 Hz	Silnik	M2S052-CA
Prędkość obrotowa	2800 / 3250 / 3250 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	41 / 38 / 40 W	Obudowa	odlew aluminiowy
Pobór prądu	0,56 / 0,47 A	Liczba łopatek	7
Maks. przeciwnieśnienie	80 / 120 / 120 Pa	Kierunek obrotów	w lewo, patrząc na wirnik
Temperatura otoczenia	min. -25 °C; maks. 50 / 70 / 70 °C	Stopień ochrony	IP20
		Klasa izolacji	B
		Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	1,1 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



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

Measurement: LU-58320-1

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 wydychu; producent zastrzega możliwość zmian.

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W2S130-AA25-77

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



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Nominal data

Type	W2S130-AA25-77			
Motor	M2S052-CA			
Phase		1~	1~	1~
Nominal voltage	VAC	115	115	115
Frequency	Hz	50	60	60
Method of obtaining data		fa	fa	fa
Valid for approval/standard		CE	CE	UL
Speed (rpm)	min ⁻¹	2800	3250	3250
Power consumption	W	41	38	40
Current draw	A	0.56	0.47	
Max. back pressure	Pa	80	120	120
Max. back pressure	inH ₂ O	0.32	0.48	0.48
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	50	70	70

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



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AC axial compact fan

sickle-shaped blades (S series)

Technical description

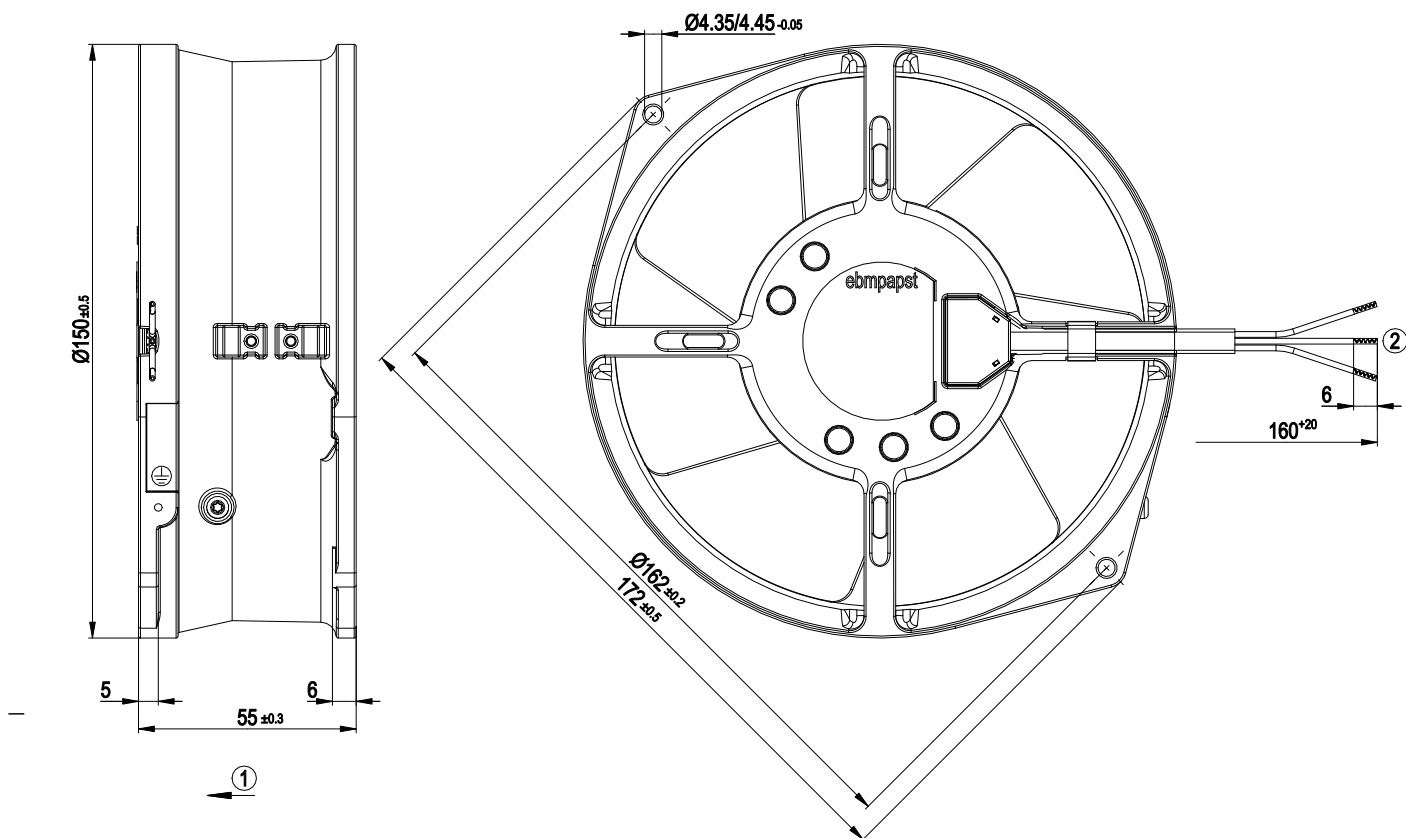
Weight	1.1 kg
Fan size	130 mm
Rotor surface	Rotor open, painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum
Number of blades	7
Airflow direction	"V"
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP20
Insulation class	"B"
Max. 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, open rotor
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
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	CSA C22.2 No. 113; UL 507; VDE

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AC axial compact fan

sickle-shaped blades (S series)

Product drawing

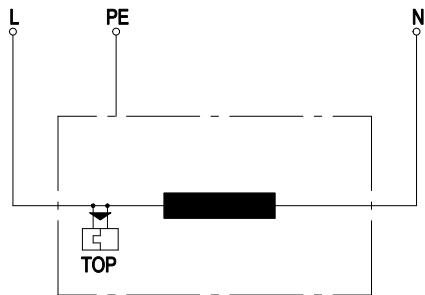


- | | |
|---|---------------------------------|
| 1 | Direction of air flow "V" |
| 2 | Cable AWG20, 3x crimped splices |

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Connection diagram



L	black
PE	green/yellow
N	black
TOP	Thermal overload protector

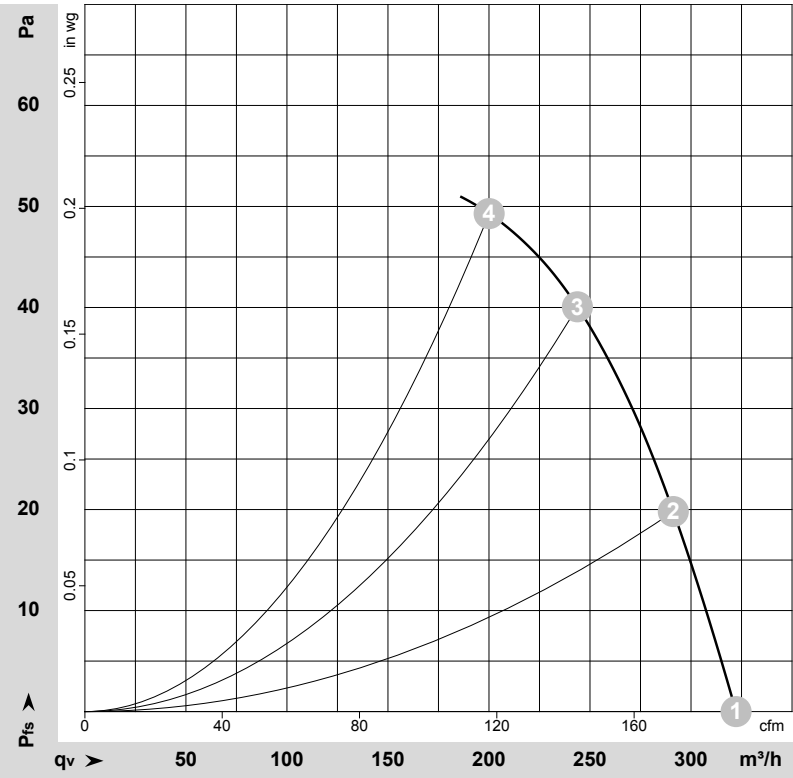


W2S130-AA25-77

AC axial compact fan

sickle-shaped blades (S series)

Curves: Air performance 50 Hz



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

Measurement: LU-58320-1

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	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	inH2O
1	115	50	2800	41	0.56	320	0	190	0.00
2	115	50	2800	42	0.56	290	20	170	0.08
3	115	50	2790	43	0.57	245	40	145	0.16
4	115	50	2790	42	0.56	200	50	120	0.20

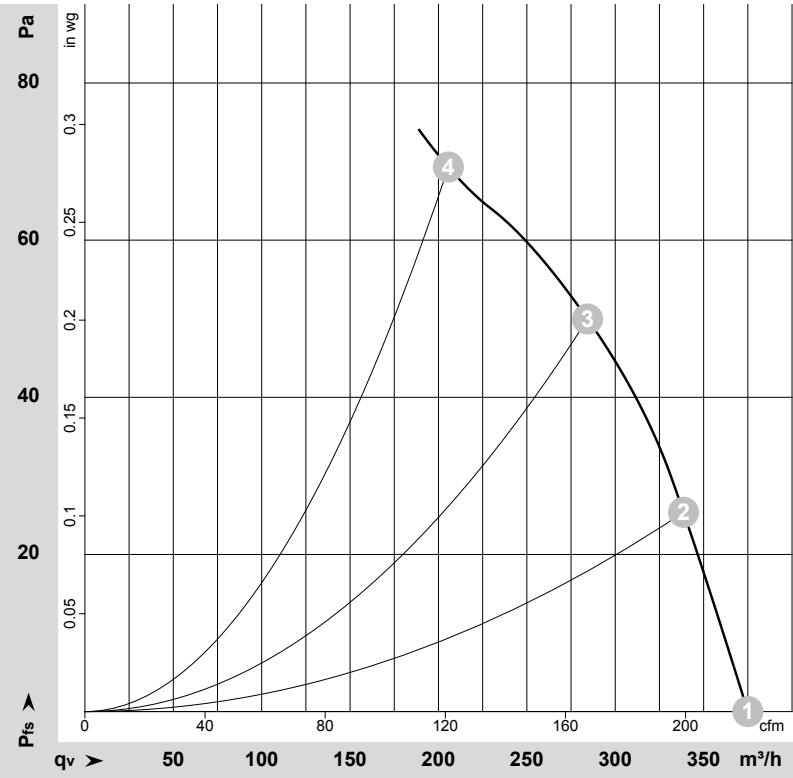
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



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

Curves: Air performance 60 Hz



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

Measurement: LU-58323-1

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	P _{fs}	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	cfm	inH ₂ O
1	115	60	3250	38	0.47	375	0	220	0.00
2	115	60	3210	40	0.48	340	25	200	0.10
3	115	60	3180	41	0.48	285	50	165	0.20
4	115	60	3185	41	0.48	205	70	120	0.28

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

