

KARTA KATALOGOWA

W2E200-HH38-06

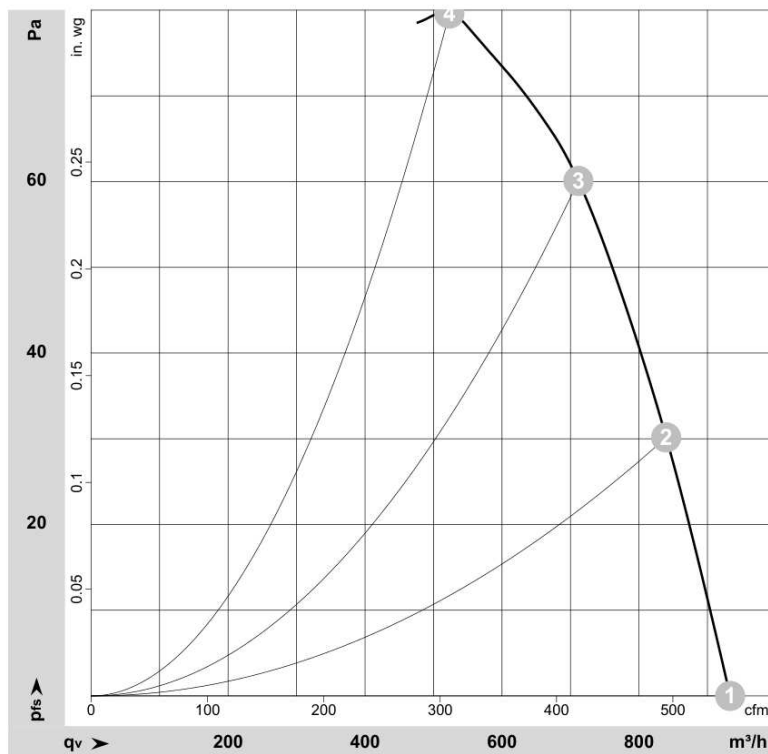
Wentylator osiowy kompaktowy AC, łopatki sierpowe (seria S),
200 mm

Producent: ebm-papst

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V (220...240 V)	Średnica	200 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-BF
Prędkość obrotowa	2550 / 2800 obr/min	Materiał łopatek	blacha stalowa, malowana na czarno
Pobór mocy	64 / 80 W	Obudowa	odlew aluminiowy, malowany na czarno
Pobór prądu	0,29 / 0,35 A	Liczba łopatek	9
Maks. przeciwnieśnienie	100 / 120 Pa	Stopień ochrony	IP44
Kondensator	1,5 µF / 400 V	Klasa izolacji	B
Temperatura otoczenia	-25...+60 °C (50 Hz)	Zabezpieczenie silnika	termik (TOP)
		Łożyskowanie	kulkowe
		Masa	2,15 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



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

Measurement: LU-57318-1

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 dokumentacji ebm-papst; za okładką oryginalna karta producenta.
Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

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W2E200-HH38-06

AC axial compact fan

sickle-shaped blades (S series)

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Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	W2E200-HH38-06			
Motor	M2E068-BF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Nominal voltage range	VAC	220 .. 240	220 .. 240	
Frequency	Hz	50	60	60
Method of obtaining data		fa	fa	fa
Valid for approval/standard		CE	CE	UL 2111
Speed (rpm)	min ⁻¹	2550	2800	2800
Power consumption	W	64	80	80
Current draw	A	0.29	0.35	0.35
Capacitor	µF	1.5	1.5	1.5
Capacitor voltage	VDB	400	400	400
Max. back pressure	Pa	100	120	120
Max. back pressure	in. wg	0.4	0.48	0.48
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	60	65	65
Starting current	A	0.55	0.54	0.54

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


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W2E200-HH38-06

AC axial compact fan

sickle-shaped blades (S series)

Technical description

Weight	2.2 kg
Size	200 mm
Motor size	68
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum, painted black
Number of blades	9
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
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 bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) with basic insulation
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	CCC; EAC; UL 507; VDE; CSA C22.2 No. 113

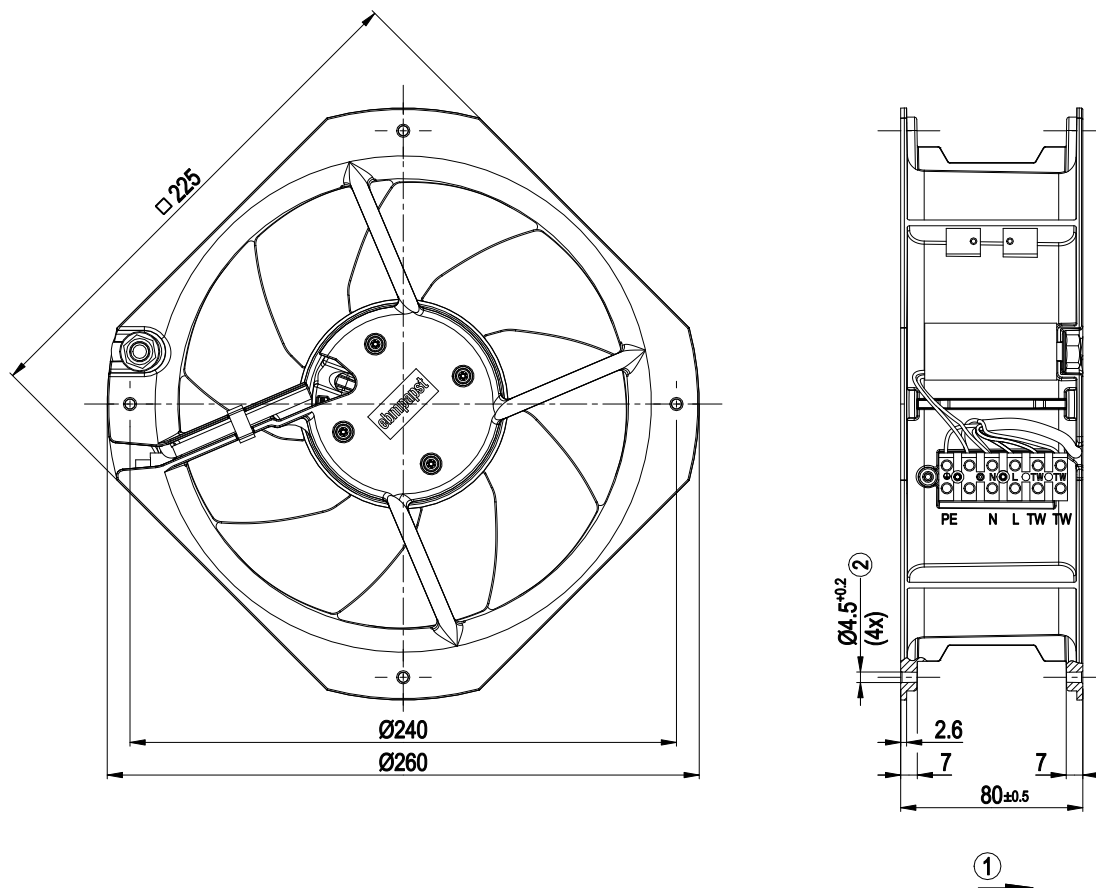


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AC axial compact fan

sickle-shaped blades (S series)

Product drawing



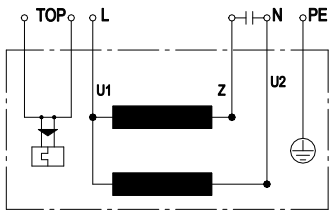
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|---|----------------------------|
| 1 | Direction of air flow "V" |
| 2 | For self-tapping M5 screws |

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sickle-shaped blades (S series)

Connection diagram



U1	blue	Z	brown	U2	black
PE	green/yellow	TOP	2x white		

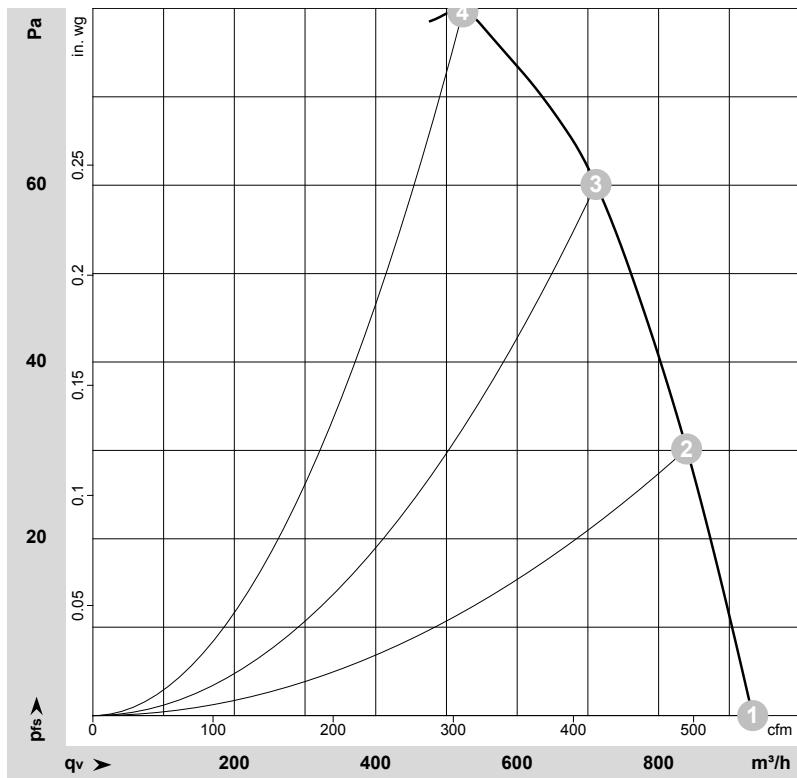


W2E200-HH38-06

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-57318-1

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	2550	64	0.29	935	0	550	0.00
2	1~	230	50	2500	67	0.32	840	30	495	0.12
3	1~	230	50	2445	70	0.32	710	60	420	0.24
4	1~	230	50	2410	72	0.33	525	80	310	0.32

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



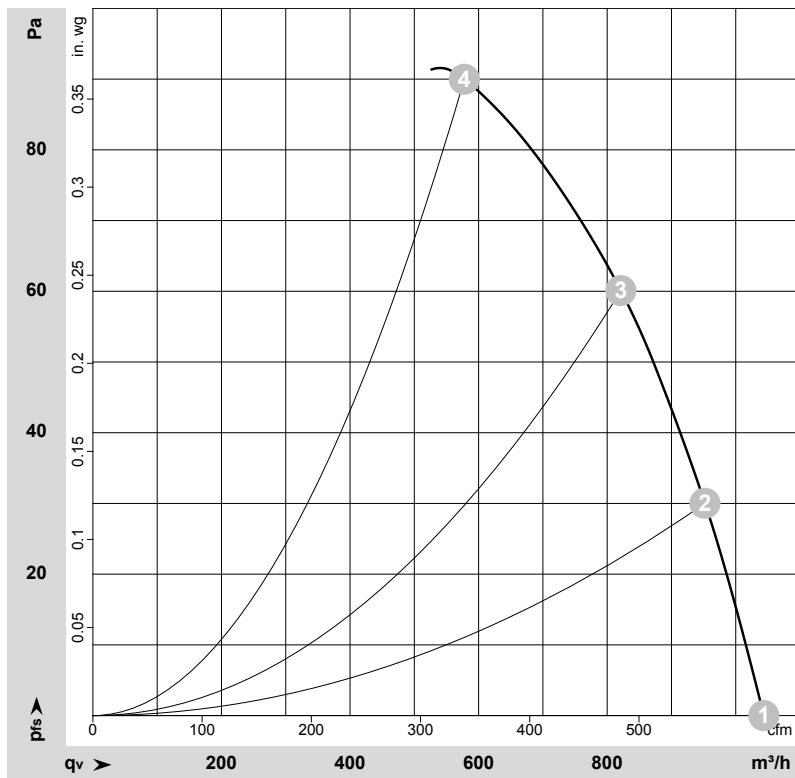
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W2E200-HH38-06

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-57319-1

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	2800	80	0.35	1045	0	615	0.00
2	1~	230	60	2770	81	0.35	950	30	560	0.12
3	1~	230	60	2675	85	0.37	820	60	485	0.24
4	1~	230	60	2555	89	0.39	580	90	340	0.36

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



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