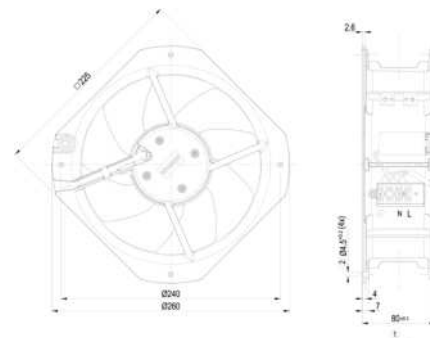


KARTA KATALOGOWA

W2E200-HH86-01

Wentylator osiowy kompaktowy AC, łopatki sierpowe (seria S)

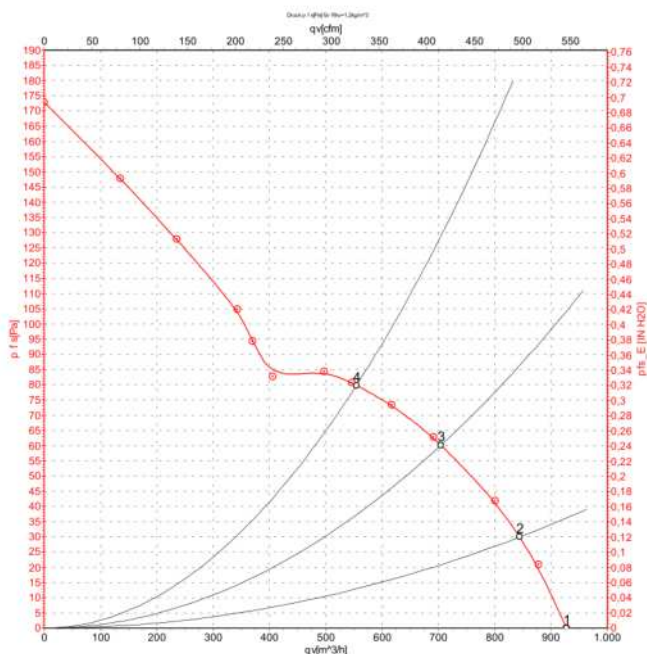
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 115 V	Wielkość	200 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E068-BF
Prędkość obrotowa	2550 / 2800 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	64 / 80 W	Obudowa	odlew aluminiowy
Pobór prądu	0,58 / 0,70 A	Liczba łopatek	9
Prąd rozruchowy	0,98 A	Kierunek obrotów	w lewo, patrząc na wirnik
Maks. przeciwcisnienie	100 / 120 Pa	Stopień ochrony	IP44
Kondensator	5 µF / 220 V	Klasa izolacji	B
Temperatura otoczenia	min. -25 °C; maks. 60 / 65 °C	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Podłączenie	listwa zaciskowa, kondensator podłączony
		Masa	2,14 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-57317-1

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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W2E200-HH86-01

AC axial compact fan

sickle-shaped blades (S series)

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Limited partnership · Headquarters Mulfingen

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-HH86-01		
Motor	M2E068-BF		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	2550	2800
Power consumption	W	64	80
Current draw	A	0.58	0.70
Capacitor	µF	5	5
Capacitor voltage	VDB	220	220
Capacitor standard		S0 (CE)	S0 (CE)
Max. back pressure	Pa	100	120
Max. back pressure	in. wg	0.4	0.48
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	65
Starting current	A	0.98	0.98

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



W2E200-HH86-01

AC axial compact fan

sickle-shaped blades (S series)

Technical description

Weight	2.14 kg
Size	200 mm
Motor size	68
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum
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
Electrical hookup	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	UKCA; CE
Approval	CCC; EAC; CSA C22.2 No. 113; UL 507; VDE

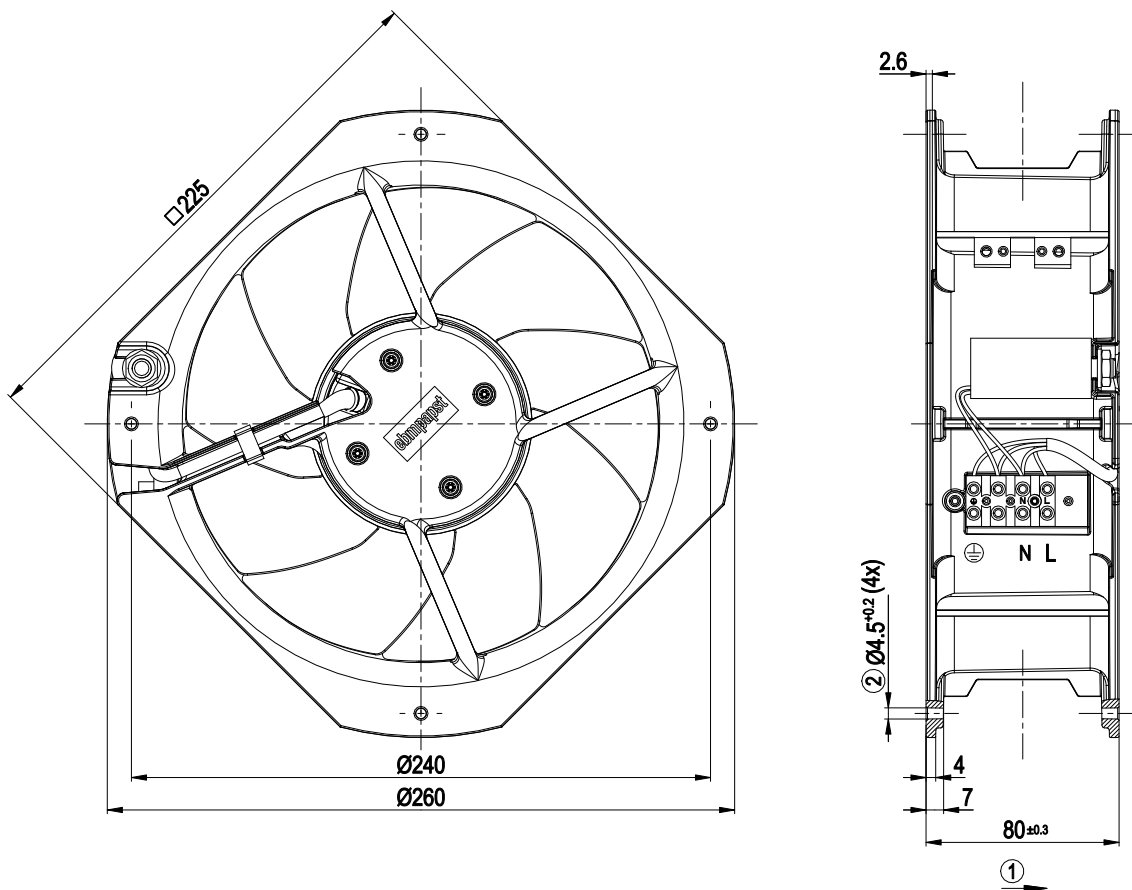


W2E200-HH86-01

AC axial compact fan

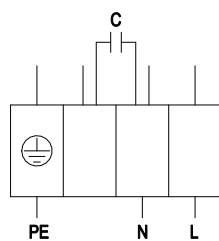
sickle-shaped blades (S series)

Product drawing



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

Connection diagram



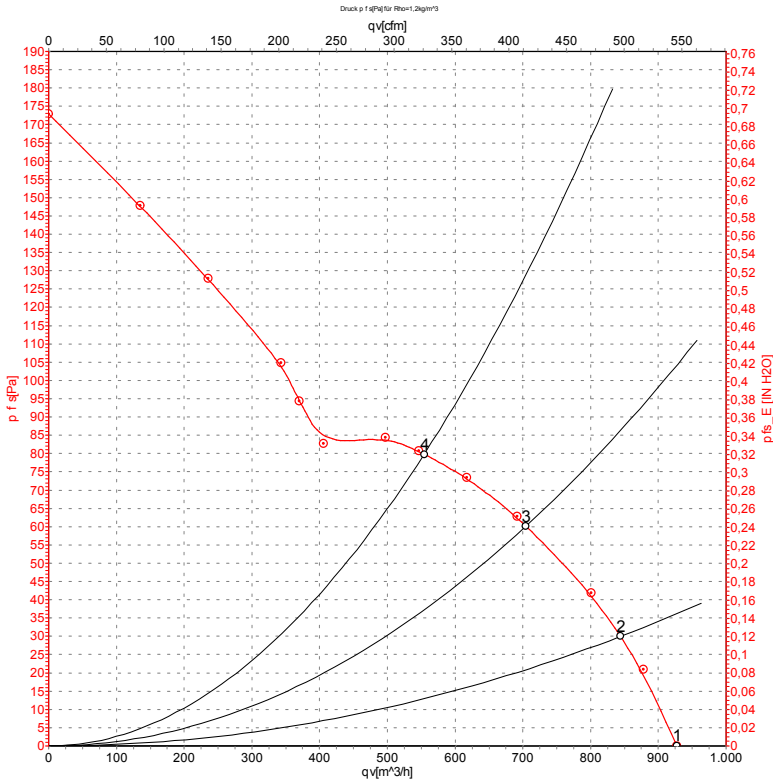
PE	green/yellow	N	black	L	blue
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W2E200-HH86-01

AC axial compact fan

sickle-shaped blades (S series)

Curves: Air performance 50 Hz



Measurement: LU-57317-1

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	in. wg
1	115	50	2550	64	0.58	925	0	545	0.00
2	115	50	2520	64	0.59	845	30	495	0.12
3	115	50	2450	67	0.61	705	60	415	0.24
4	115	50	2400	70	0.63	555	80	325	0.32

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

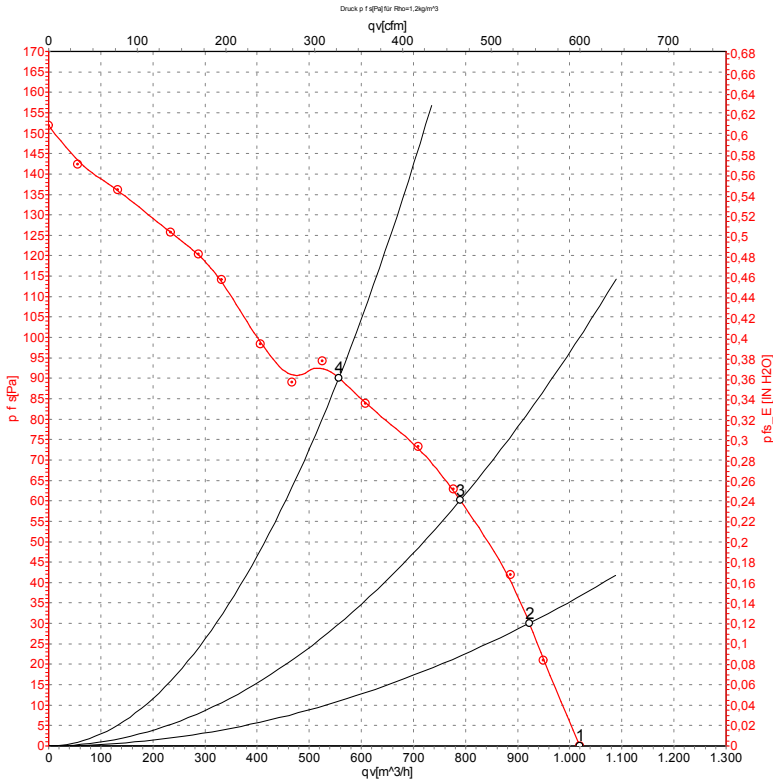


W2E200-HH86-01

AC axial compact fan

sickle-shaped blades (S series)

Curves: Air performance 60 Hz



Measurement: LU-57315-1

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 _{ts}	q _v	P _{ts}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	115	60	2800	80	0.70	1020	0	600	0.00
2	115	60	2715	81	0.70	920	30	545	0.12
3	115	60	2620	85	0.73	790	60	465	0.24
4	115	60	2500	87	0.76	555	90	330	0.36

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

