

KARTA KATALOGOWA

W2S130-AA03-71

Wentylator osiowy kompaktowy AC, 130 mm, z kratką ochronną

Producent: ebm-papst



Dane znamionowe

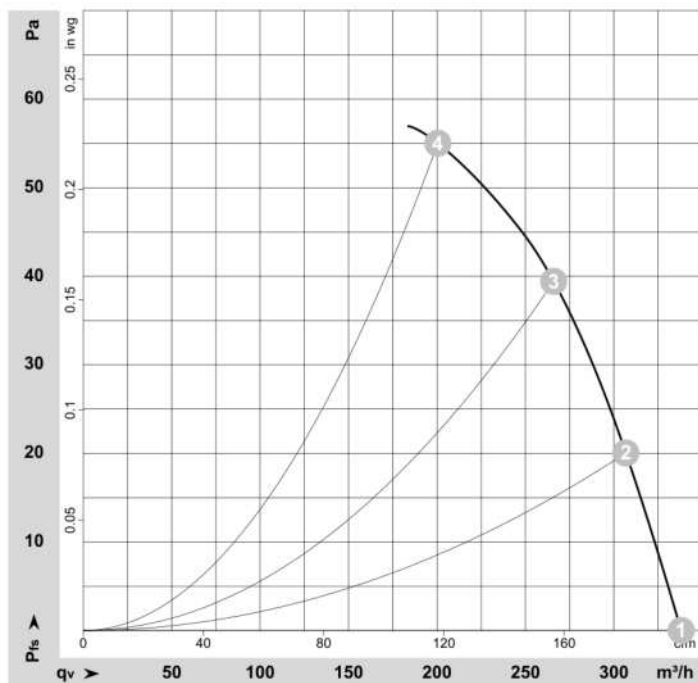
Napięcie znamionowe	1~ 230 V
Częstotliwość	50 / 60 Hz
Prędkość obrotowa	2800 / 3250 obr/min
Pobór mocy	45 / 39 W
Pobór prądu	0,31 / 0,25 A
Temperatura otoczenia	-25...+50 °C (50 Hz)

Budowa

Średnica	130 mm
Silnik	M2S052-CA
Materiał łopatek	blacha stalowa, malowana na czarno
Obudowa	odlew aluminiowy
Kratka ochronna	stal, powlekana tworzywem (RAL 9006)
Liczba łopatek	7
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-58475-1

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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AC axial compact fan


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General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	W2S130-AA03-71		
Motor	M2S052-CA		
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	2800	3250
Power consumption	W	45	39
Current draw	A	0.31	0.25
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	50	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

Technical description

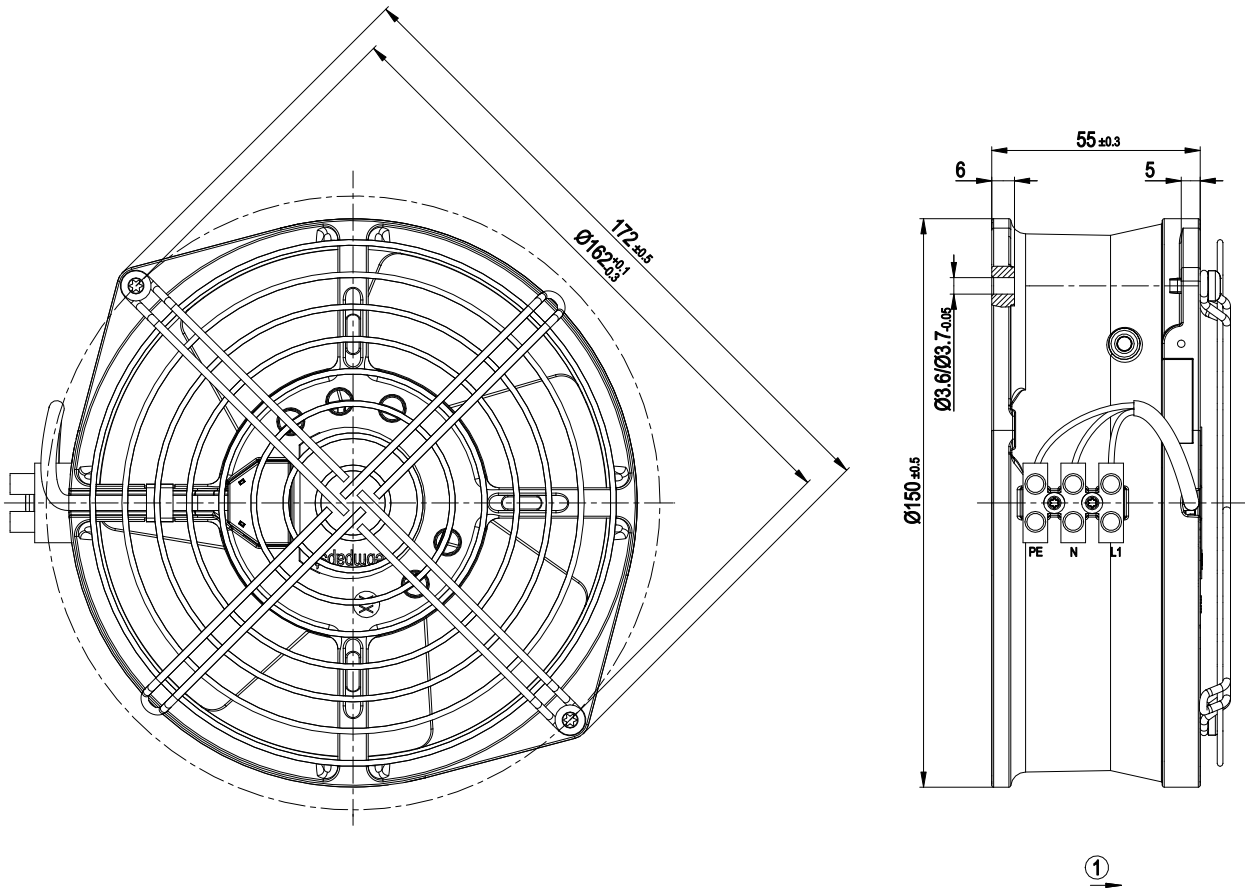
Weight	1.1 kg
Size	130 mm
Motor size	52
Rotor surface	Rotor open, painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum
Guard grille material	Steel, coated with white-aluminum plastic (RAL 9006)
Number of blades	7
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP20
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
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) internally connected
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	CSA C22.2 No. 113; CCC; UL 507; VDE



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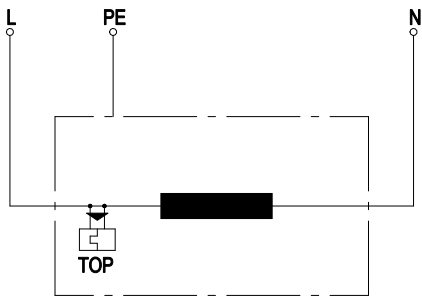
AC axial compact fan

Product drawing



1 Direction of air flow "V"

Connection diagram



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

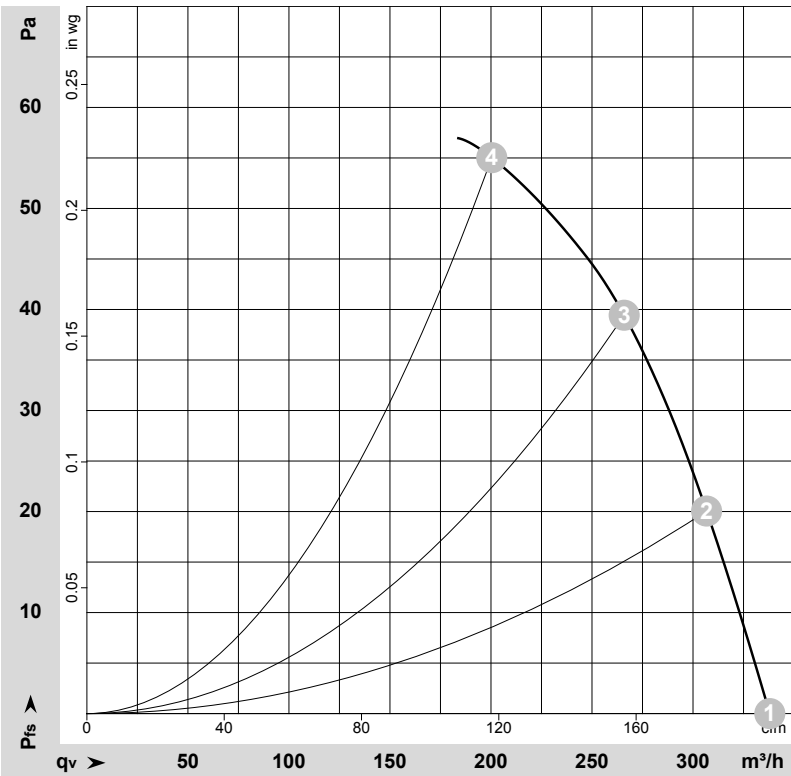


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AC axial compact fan

Curves: Air performance 50 Hz



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

Measurement: LU-58475-1

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	230	50	2800	45	0.31	340	0	200	0.00
2	230	50	2795	45	0.31	305	20	180	0.08
3	230	50	2780	46	0.31	265	40	155	0.16
4	230	50	2780	46	0.31	200	55	120	0.22

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

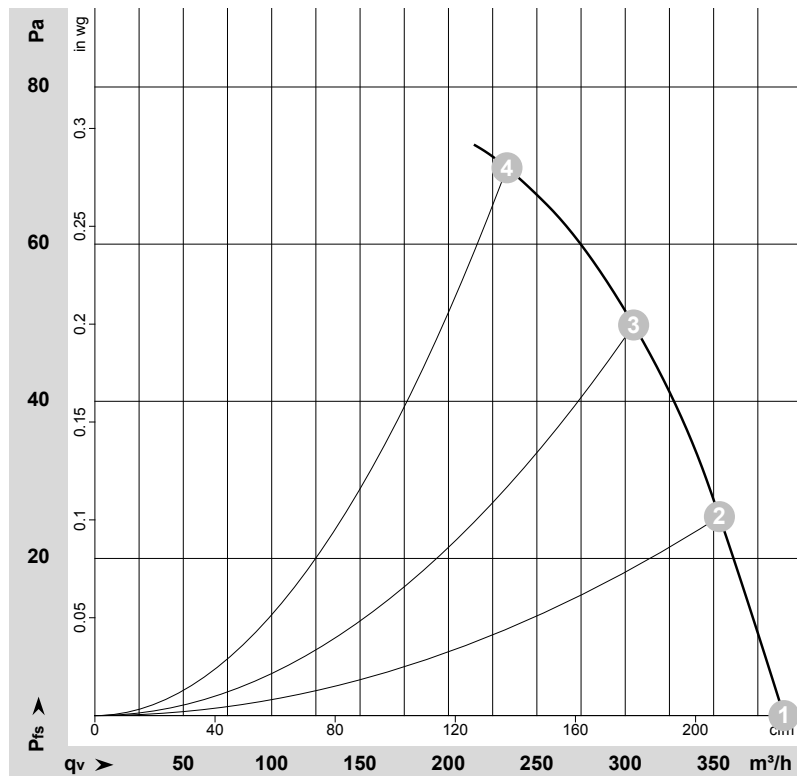


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AC axial compact fan

Curves: Air performance 60 Hz



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

Measurement: LU-58476-1

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	230	60	3250	39	0.25	390	0	230	0.00
2	230	60	3200	42	0.25	355	25	210	0.10
3	230	60	3165	43	0.26	305	50	180	0.20
4	230	60	3145	44	0.26	235	70	135	0.28

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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