

KARTA KATALOGOWA

W2S130-AB03-21

Wentylator osiowy kompaktowy AC

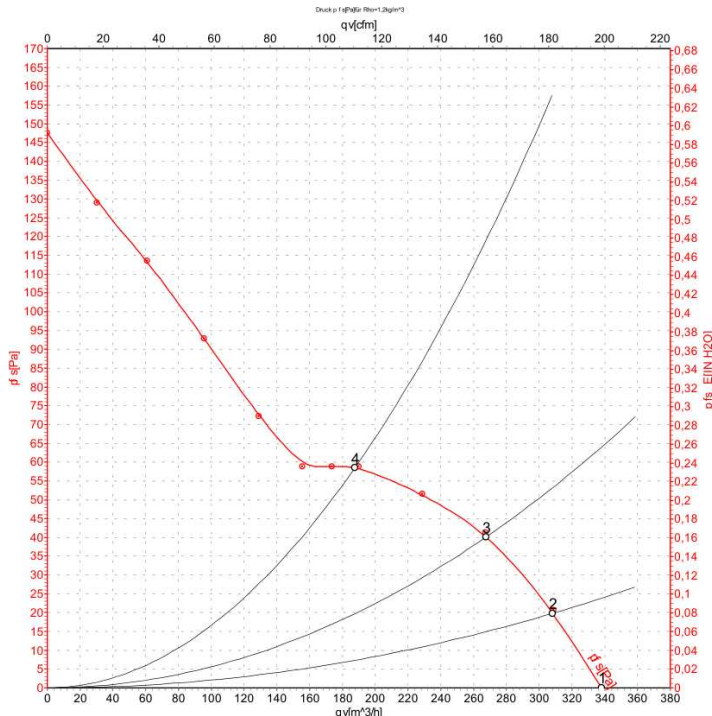
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	130 mm
Częstotliwość	50 / 60 Hz	Silnik	M2S052-CA
Prędkość obrotowa	2800 / 3250 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	45 / 39 W	Liczba łopatek	7
Pobór prądu	0,31 / 0,25 A	Kierunek obrotów	w lewo, patrząc na wirnik
Prąd rozruchowy	0,45 / 0,40 A	Stopień ochrony	IP20
Maks. przeciwcisnienie	80 / 120 Pa	Klasa izolacji	F
Temperatura otoczenia	min. -25 °C; maks. 50 / 80 °C	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	1,08 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-58475

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{WA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

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-AB03-21

AC axial compact fan


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Nominal data

Type	W2S130-AB03-21		
Motor	M2S052-CA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2800	3250
Power input	W	45	39
Current draw	A	0.31	0.25
Max. back pressure	Pa	80	120
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	50	80
Starting current	A	0.45	0.40

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



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AC axial compact fan

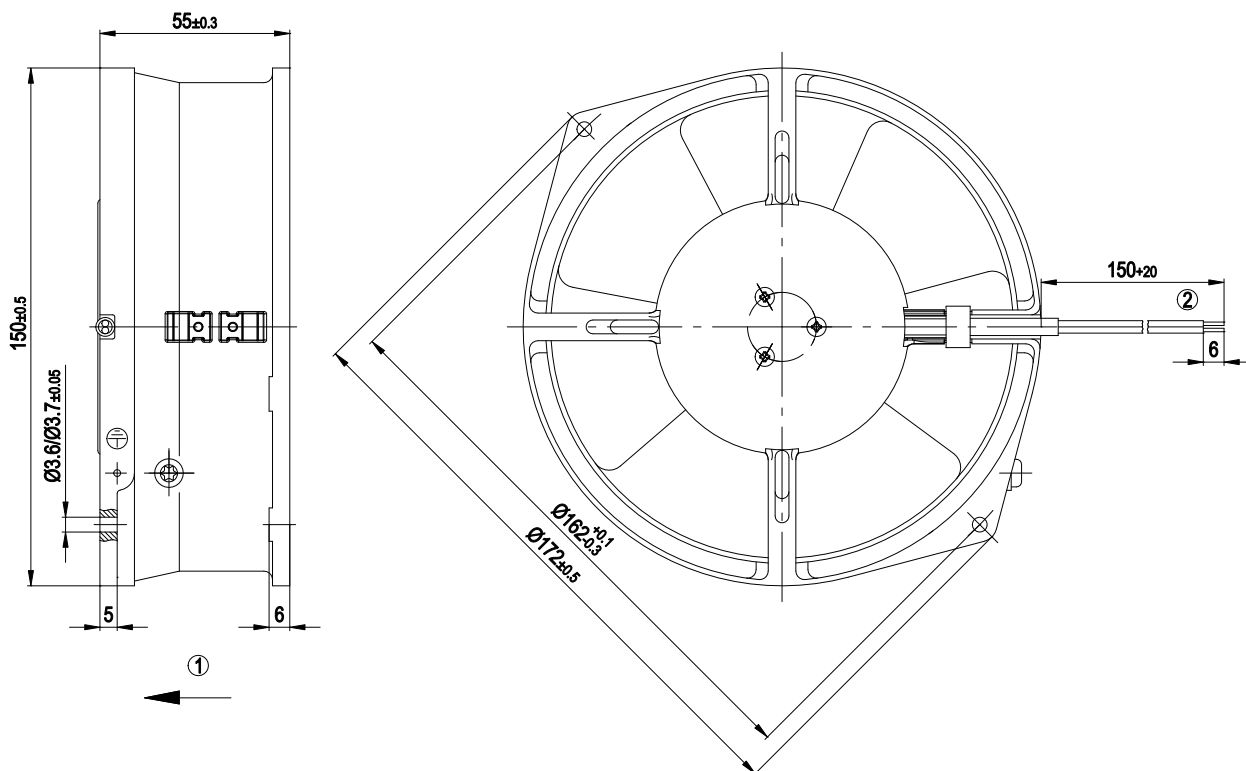
Technical features

Mass	1.08 kg
Size	130 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 20
Insulation class	"F"
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	UL 1004-1; CSA C22.2 Nr.100

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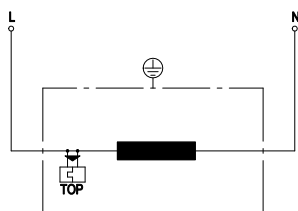
AC axial compact fan

Product drawing



- | | |
|---|---|
| 1 | Direction of air flow "V" |
| 2 | Connection line AWG20, 2x brass lead tips crimped |

Connection screen

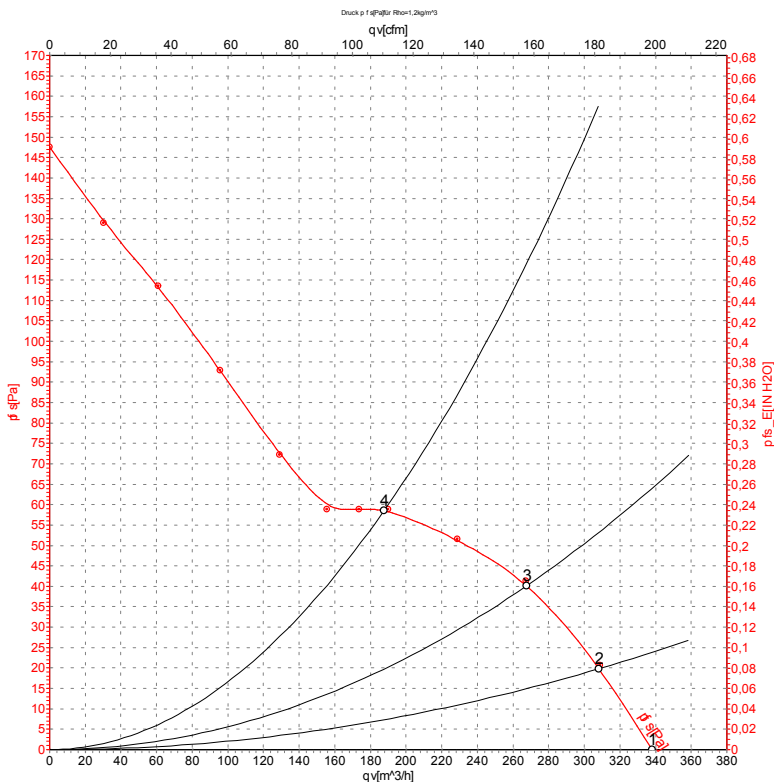


- | | |
|-----|------------------------------|
| L | = black |
| N | = black |
| TOP | = Thermal overload protector |

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AC axial compact fan

Charts: Air flow 50 Hz



Measurement: LU-58475

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	2800	45	0.31	340	0
2	230	50	2795	45	0.31	310	20
3	230	50	2780	46	0.31	270	40
4	230	50	2780	46	0.31	190	59

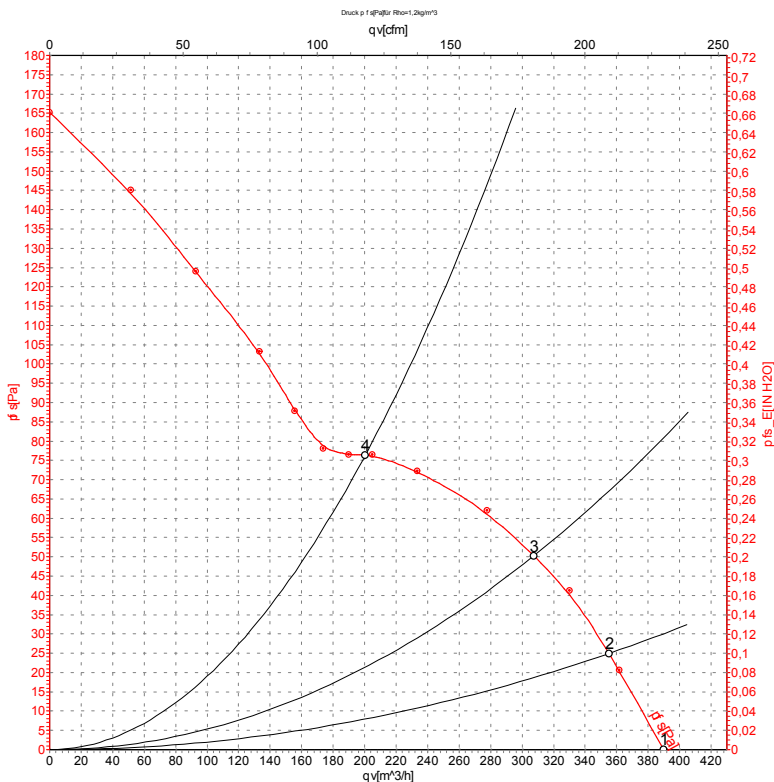
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



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AC axial compact fan

Charts: Air flow 60 Hz



Measurement: LU-58476

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{WA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	3250	39	0.25	390	0
2	230	60	3200	42	0.25	355	25
3	230	60	3165	43	0.26	305	50
4	230	60	3170	43	0.26	200	75

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

