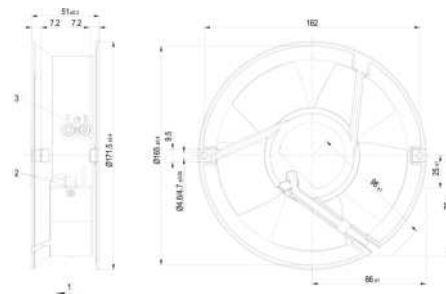


KARTA KATALOGOWA

W2E143-AA09-93

Wentylator osiowy kompaktowy AC

Producent: ebm-papst


Dane znamionowe

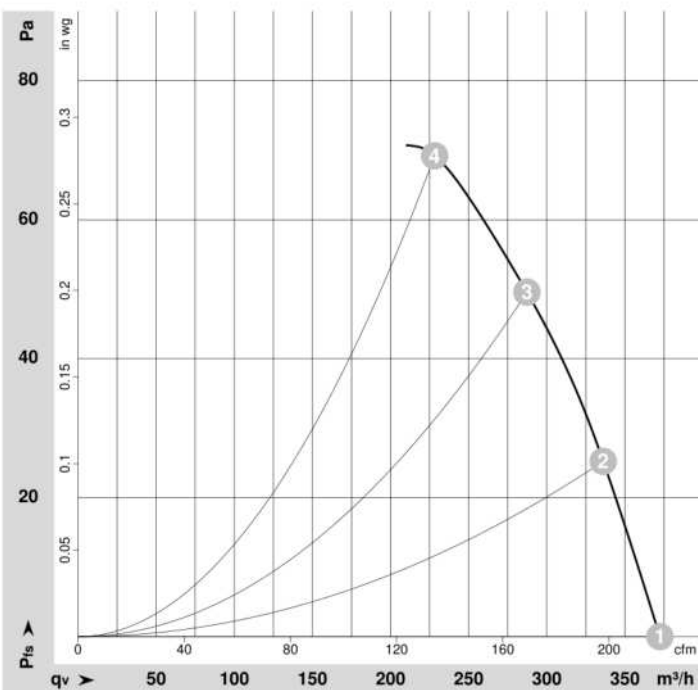
Napięcie znamionowe	1~ 230 V
Częstotliwość	50 / 60 / 60 Hz
Prędkość obrotowa	2800 / 3300 / 3300 obr/min
Pobór mocy	24 / 26 / 28 W
Pobór prądu	0,12 / 0,11 A
Prąd rozruchowy	0,26 A
Kondensator	0,75 µF / 400 V
Temperatura otoczenia	-25...+70 °C

Budowa

Wielkość	143 mm
Silnik	M2E052-BF
Materiał wirnika	blacha stalowa malowana na czarno
Obudowa	odlew aluminiowy malowany na czarno
Liczba łopatek	5
Kierunek obrotów	w lewo, patrząc na wirnik
Stopień ochrony	IP20
Klasa izolacji	B
Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Łożyskowanie	kulkowe
Podłączenie	wtyczka
Masa	1,0 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz


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

Measurement: LU-26627-1

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.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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biuro@luftberg.pl · www.luftberg.pl

W2E143-AA09-93

AC axial compact fan

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Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Nominal data

Type	W2E143-AA09-93			
Motor	M2E052-BF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Method of obtaining data		fa	fa	fa
Valid for approval/standard		CE	CE	UL 507
Speed (rpm)	min ⁻¹	2800	3300	3300
Power consumption	W	24	26	28
Current draw	A	0.12	0.11	
Capacitor	µF	0.75	0.75	0.75
Capacitor voltage	VDB	400	400	400
Capacitor standard		S0 (CE)	S0 (CE)	UL
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	70	70	70
Starting current	A	0.26	0.26	0.26

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



W2E143-AA09-93

ABB Industry FI

AC axial compact fan

Technical description

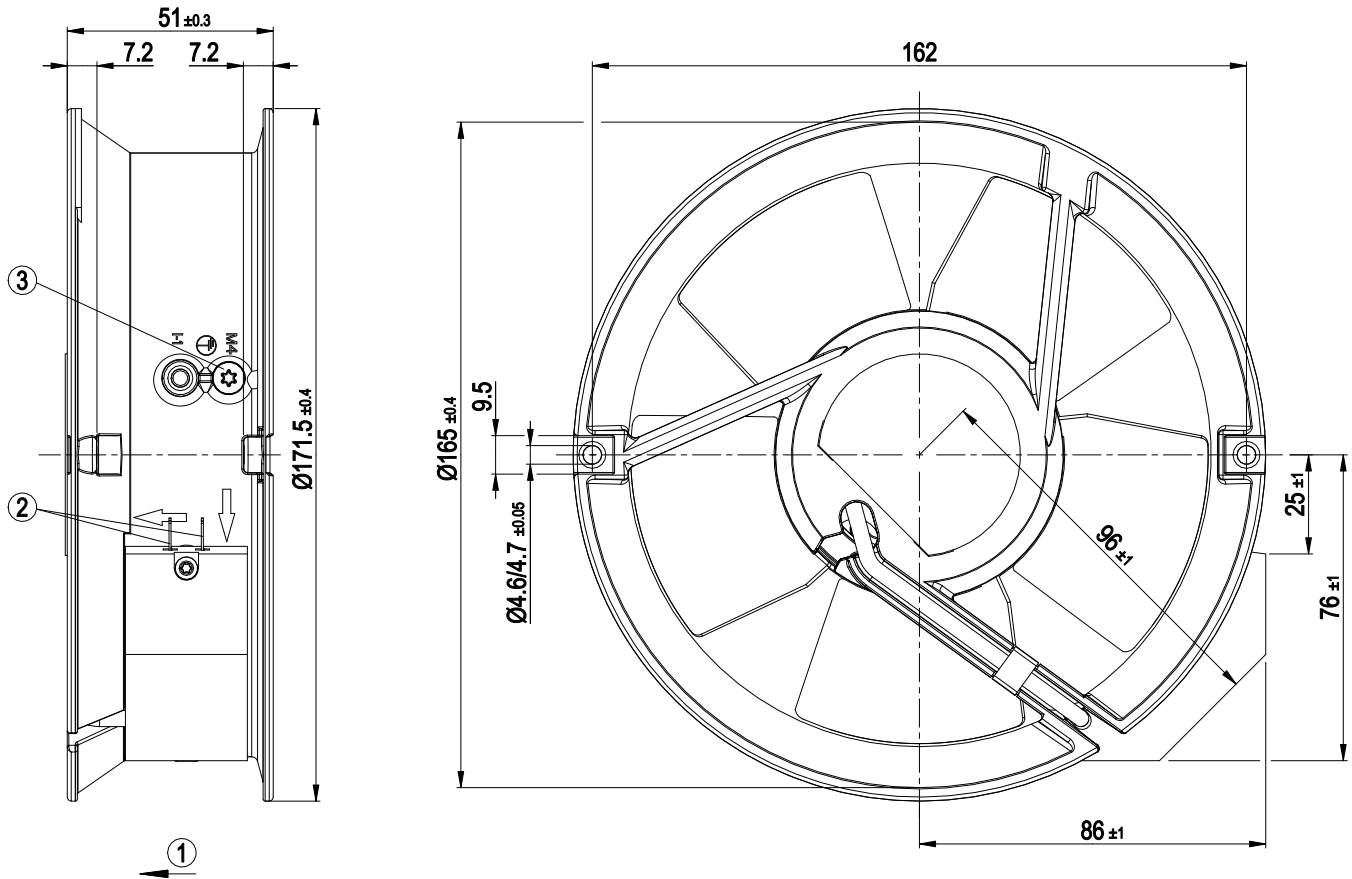
Weight	1.0 kg
Size	143 mm
Motor size	52
Rotor surface	Rotor open, painted black
Blade material	Sheet steel, painted black
Housing material	Die-cast aluminum, painted black
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP20
Insulation 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, open rotor
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Plug
Motor protection	Thermal overload protector (TOP) internally connected
Protection class	I (if protective earth is connected by customer to the housing's connection point)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE; UKCA
Approval	CCC; UL 507; VDE

W2E143-AA09-93

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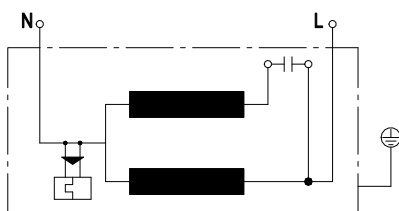
AC axial compact fan

Product drawing



- | | |
|---|---|
| 1 | Airflow direction "V" |
| 2 | 2x flat plug 2.8 x 0.5 |
| 3 | M4 screw for fastening ground connector |

Connection diagram

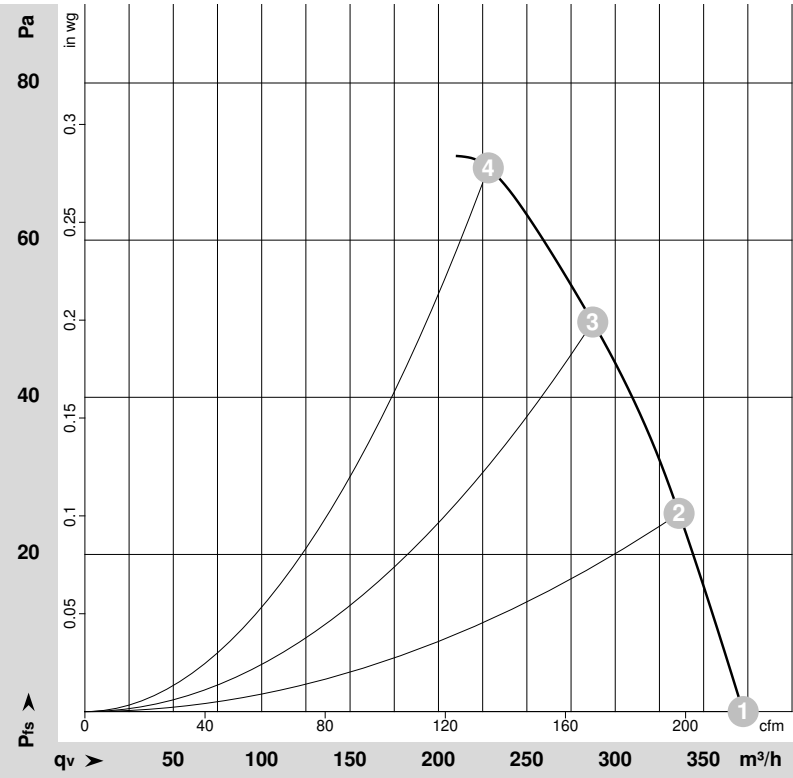


W2E143-AA09-93

ABB Industry FI

AC axial compact fan

Curves: Air performance 50 Hz



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

Measurement: LU-26627-1

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	24	0.12	370	0	220	0.00
2	230	50	2840	25	0.12	335	25	200	0.10
3	230	50	2825	25	0.12	285	50	170	0.20
4	230	50	2810	26	0.13	230	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

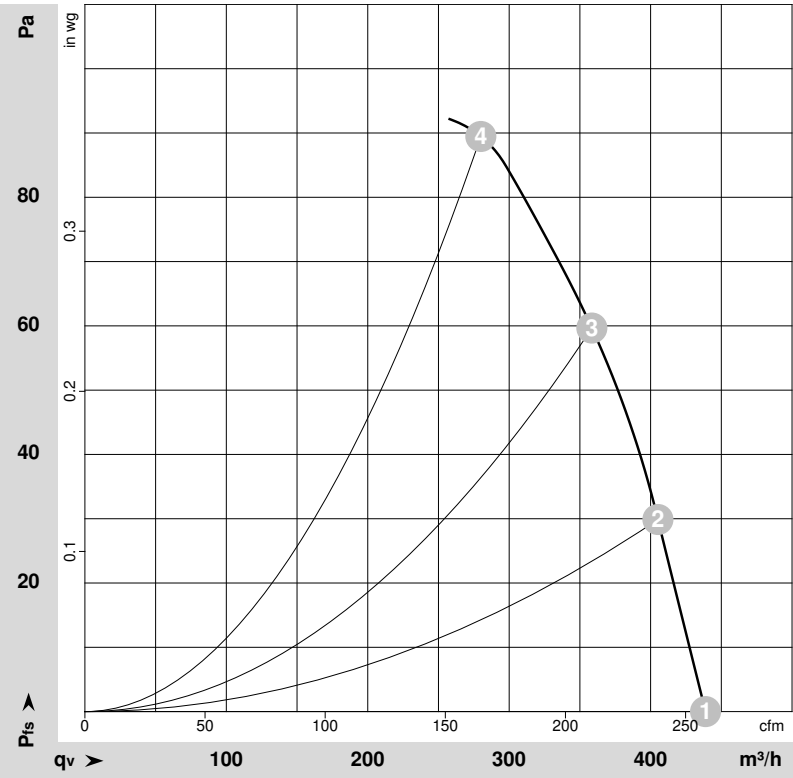


W2E143-AA09-93

ABB Industry FI

AC axial compact fan

Curves: Air performance 60 Hz



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

Measurement: LU-26628-1

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	3300	26	0.11	440	0	260	0.00
2	230	60	3350	28	0.12	405	30	240	0.12
3	230	60	3320	29	0.13	360	60	210	0.24
4	230	60	3280	30	0.13	280	90	165	0.36

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

