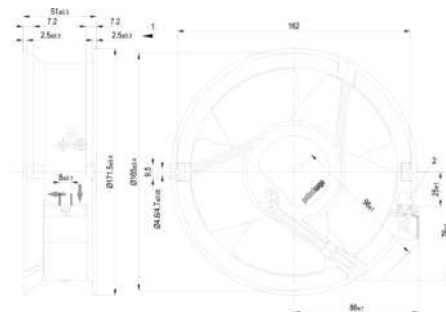


KARTA KATALOGOWA

W2E143-AA09-12

Wentylator osiowy kompaktowy AC

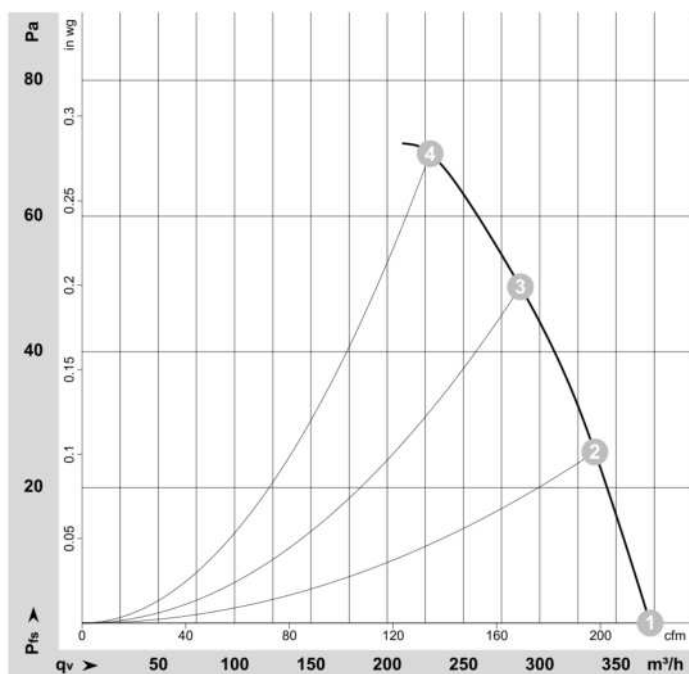
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	143 mm
Częstotliwość	50 / 60 Hz	Silnik	M2E052-BF
Prędkość obrotowa	2800 / 3300 obr/min	Materiał wirnika	blacha stalowa malowana na czarno
Pobór mocy	24 / 26 W	Obudowa	odlew aluminiowy malowany na czarno
Pobór prądu	0,12 / 0,11 A	Liczba łopatek	5
Kondensator	0,75 µF / 400 V	Kierunek obrotów	w lewo, patrząc na wirnik
Temperatura otoczenia	-25...+70 °C	Stopień ochrony	IP20
		Klasa izolacji	B
		Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Podłączenie	wtyczka
		Masa	1 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 wydmuchu; producent zastrzega możliwość zmian.

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W2E143-AA09-12

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-AA09-12		
Motor	M2E052-BF		
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	3300
Power consumption	W	24	26
Current draw	A	0.12	0.11
Capacitor	µF	0.75	0.75
Capacitor voltage	VDB	400	400
Capacitor standard		S0 (CE)	S0 (CE)
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	70	70

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



W2E143-AA09-12

AC axial compact fan

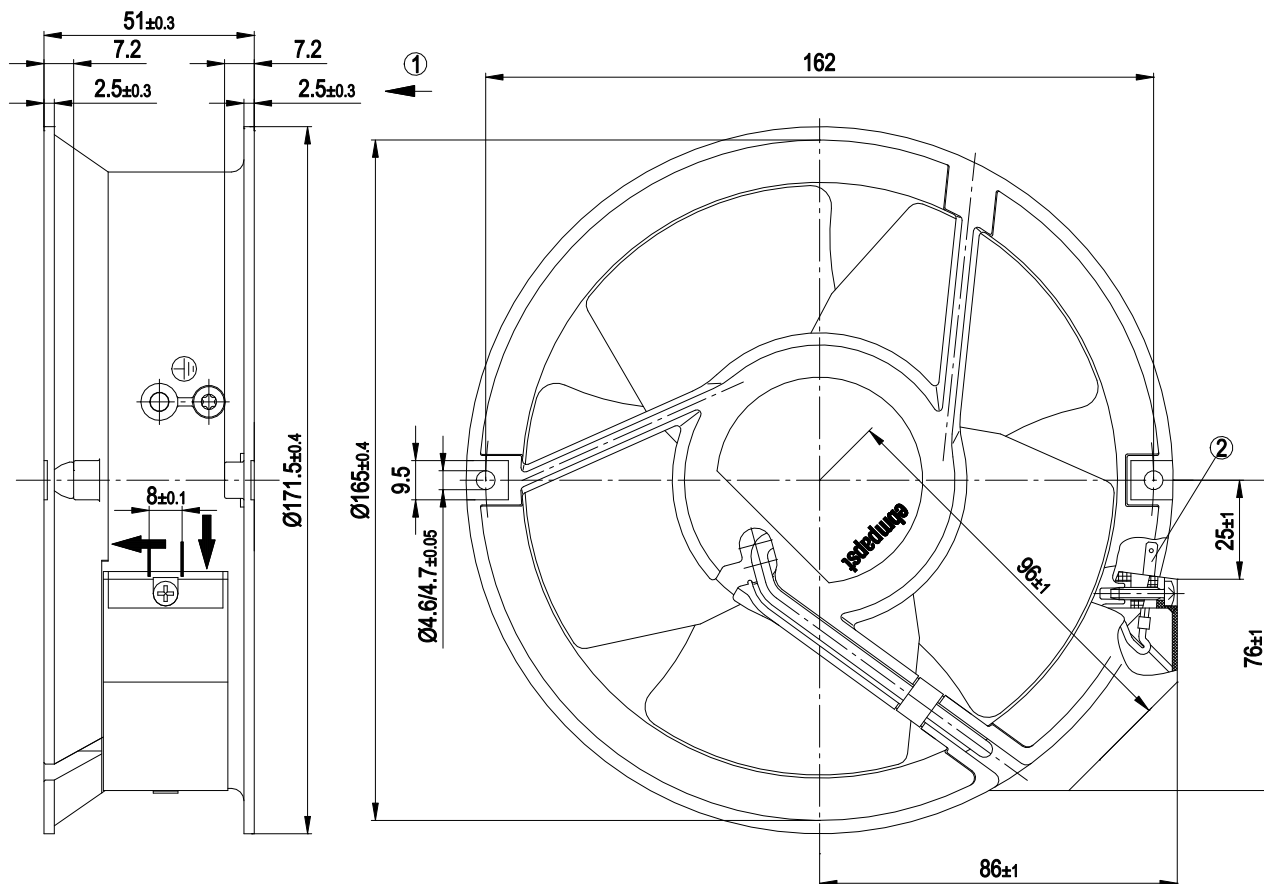
Technical description

Weight	1 kg
Fan size	143 mm
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Fan 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"
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	With plug
Motor protection	Thermal overload protector (TOP) internally connected
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	CSA C22.2 No. 113; UL 507; VDE

W2E143-AA09-12

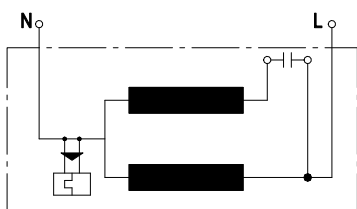
AC axial compact fan

Product drawing



- | | |
|---|---------------------------|
| 1 | Direction of air flow "V" |
| 2 | Flat plug 2.8 x 0.5 mm |

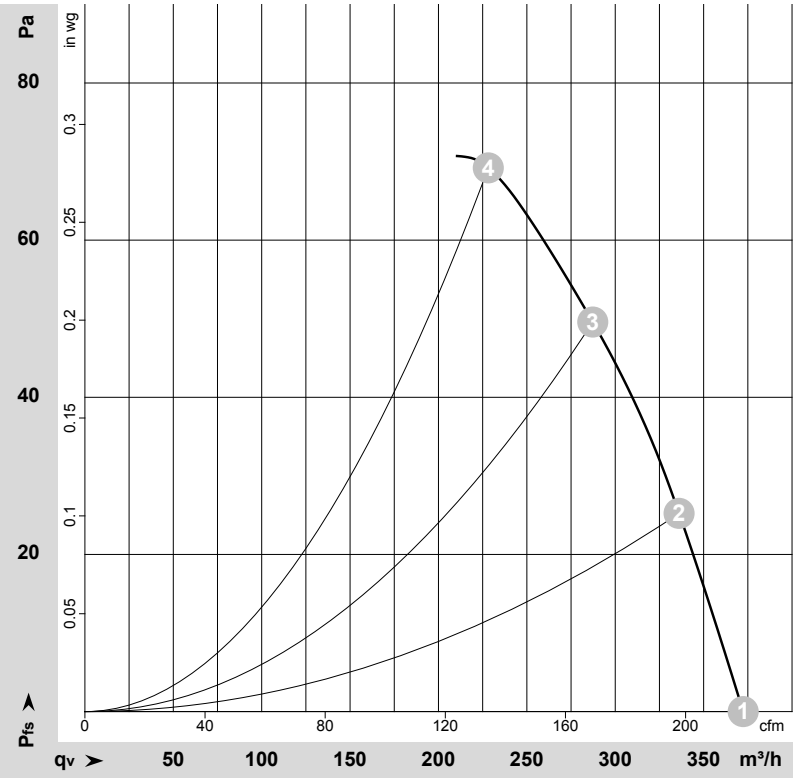
Connection diagram



W2E143-AA09-12

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	inH2O
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

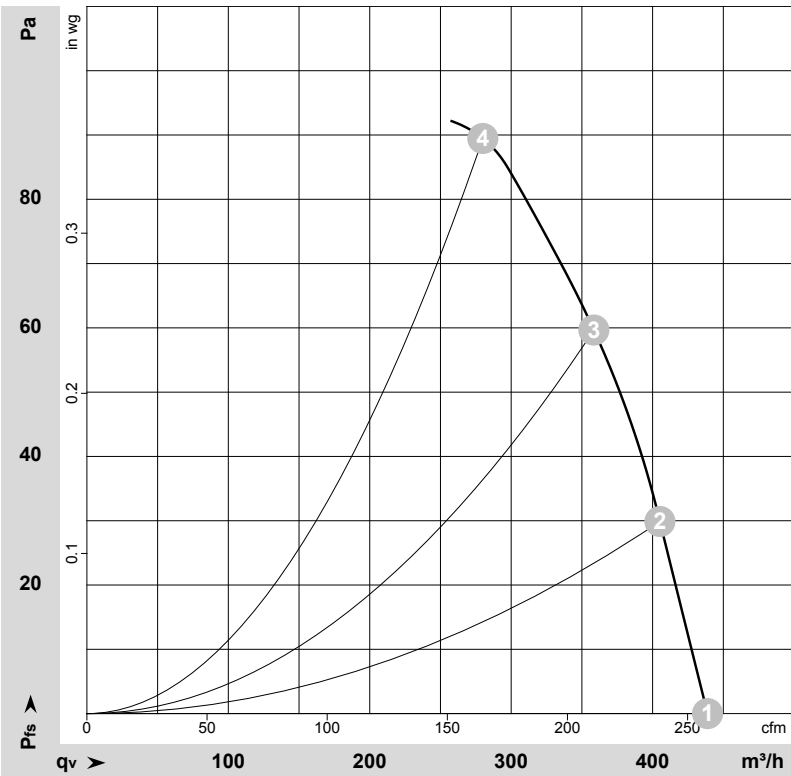
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



W2E143-AA09-12

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	inH2O
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 = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase