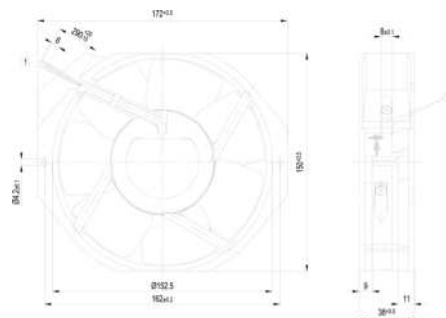


KARTA KATALOGOWA

W2E142-BB05-87

Wentylator osiowy kompaktowy AC

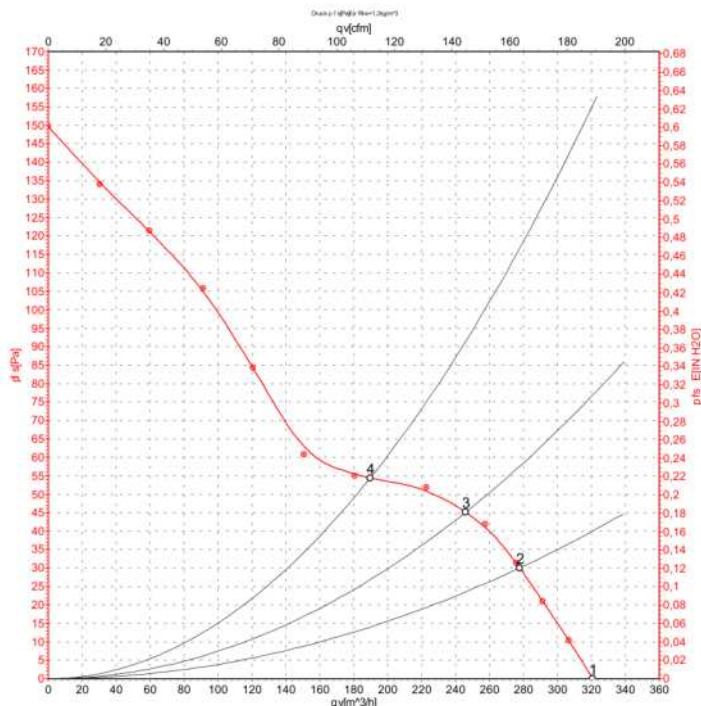
Producent: ebm-papst


Dane znamionowe

Napięcie znamionowe	1~ 115 V
Częstotliwość	50 / 60 Hz
Prędkość obrotowa	2800 / 3350 obr/min
Pobór mocy	27 / 28 W
Pobór prądu	0,24 / 0,25 A
Kondensator	3 µF / 220 V
Temperatura otoczenia	min. -25 °C; maks. 55 / 65 °C

Budowa

Wielkość	142 mm
Silnik	M2E052-AK
Materiał wirnika	blacha stalowa malowana na czarno
Liczba łopatek	7
Kierunek obrotów	w lewo, patrząc na wirnik
Stopień ochrony	IP22
Klasa izolacji	B
Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Łożyskowanie	kulkowe
Podłączenie	wtyczka
Masa	0,8 kg

Charakterystyka przepływowa (50 Hz)
Charts: Air flow 50 Hz


Measurement: LU-64115

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.

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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W2E142-BB05-87

AC axial compact fan

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Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Nominal data

Type	W2E142-BB05-87		
Motor	M2E052-AK		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2800	3350
Power input	W	27	28
Current draw	A	0.24	0.25
Motor capacitor	µF	3	3
Capacitor voltage	VDB	220	220
Capacitor standard		P0 (CE)	P0 (CE)
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	55	65

ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



W2E142-BB05-87

AC axial compact fan

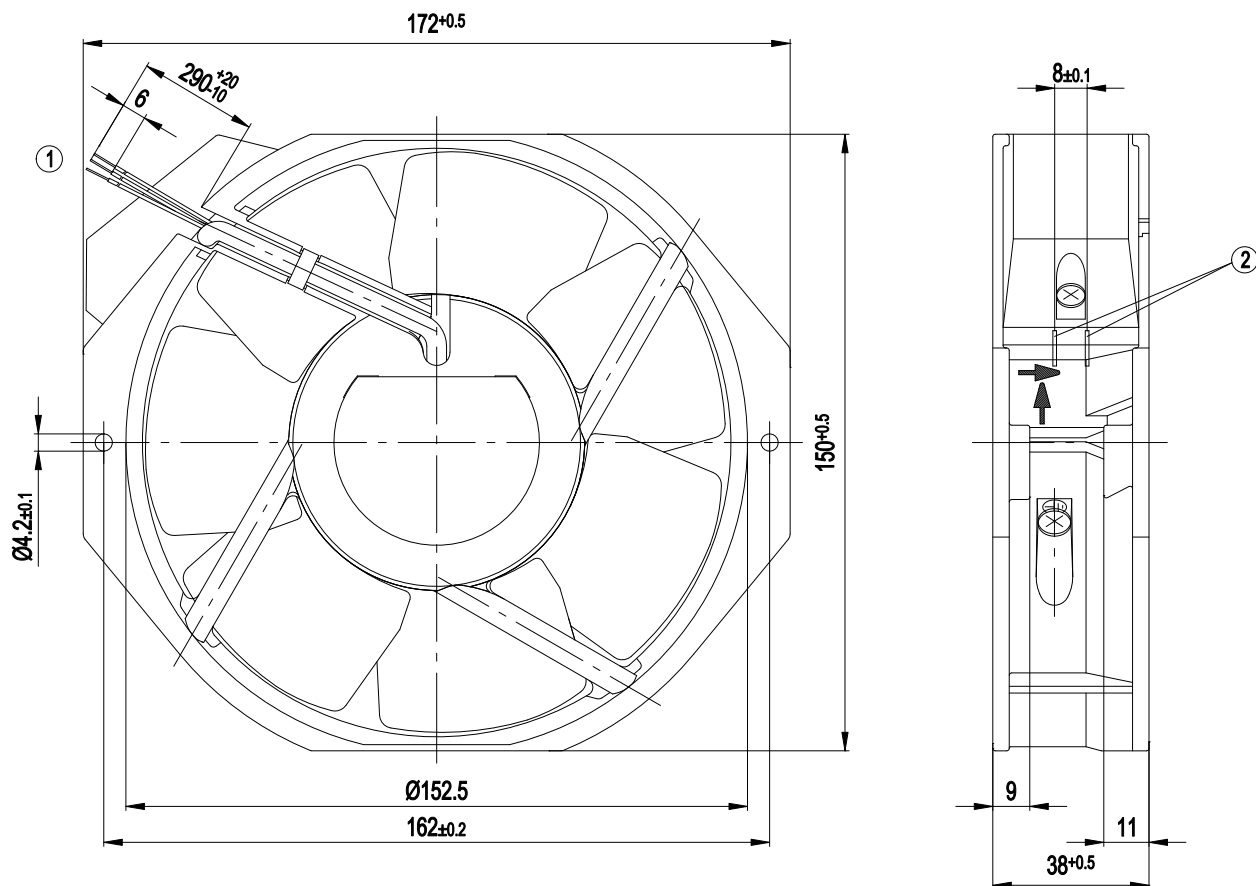
Technical features

Mass	0.8 kg
Size	142 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 22; Depending on installation and position
Insulation class	"B"
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
Electrical leads	With plug
Motor protection	Thermal overload protector (TOP) wired internally
Protection class	I (if earth wire is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	UL 507; CSA C22.2 Nr.113

W2E142-BB05-87

AC axial compact fan

Product drawing

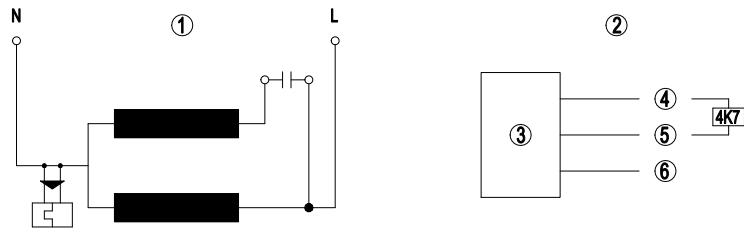


- | | |
|---|---|
| 1 | Connection line AWG26, 3 x 6 mm, tin-plated |
| 2 | 2 x flat plugs 2.8 x 0.5 mm |

W2E142-BB05-87

AC axial compact fan

Connection screen



Tachometer

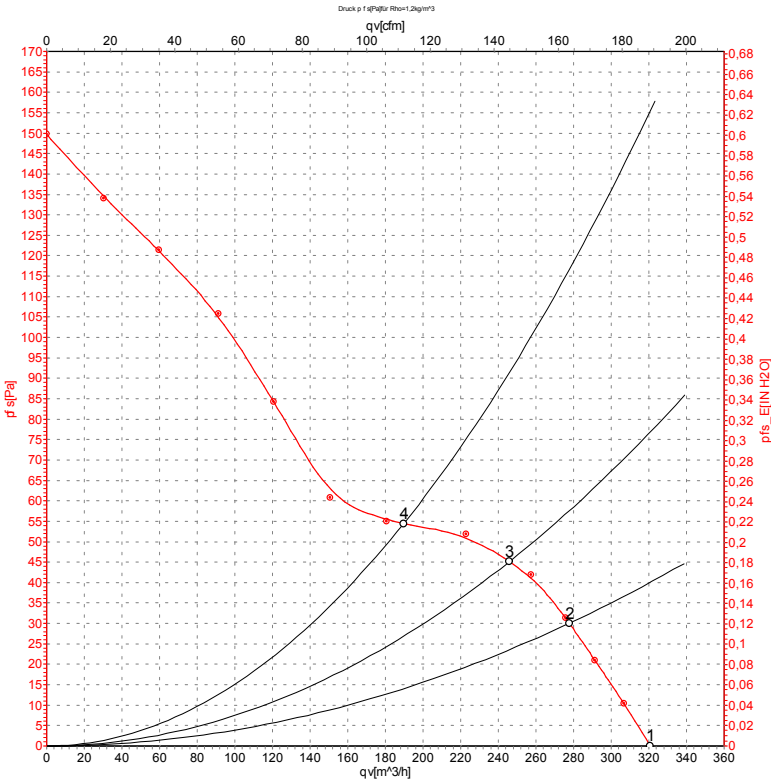
1	Fan connection diagram
2	Hall IC circuit
3	Hall IC
4	Red (+5V)
5	White (out)
6	Black (0V)



W2E142-BB05-87

AC axial compact fan

Charts: Air flow 50 Hz



Measurement: LU-64115

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	115	50	2830	24	0.22	320	0
2	115	50	2795	24	0.23	280	30
3	115	50	2775	25	0.23	245	45
4	115	50	2775	25	0.23	190	55

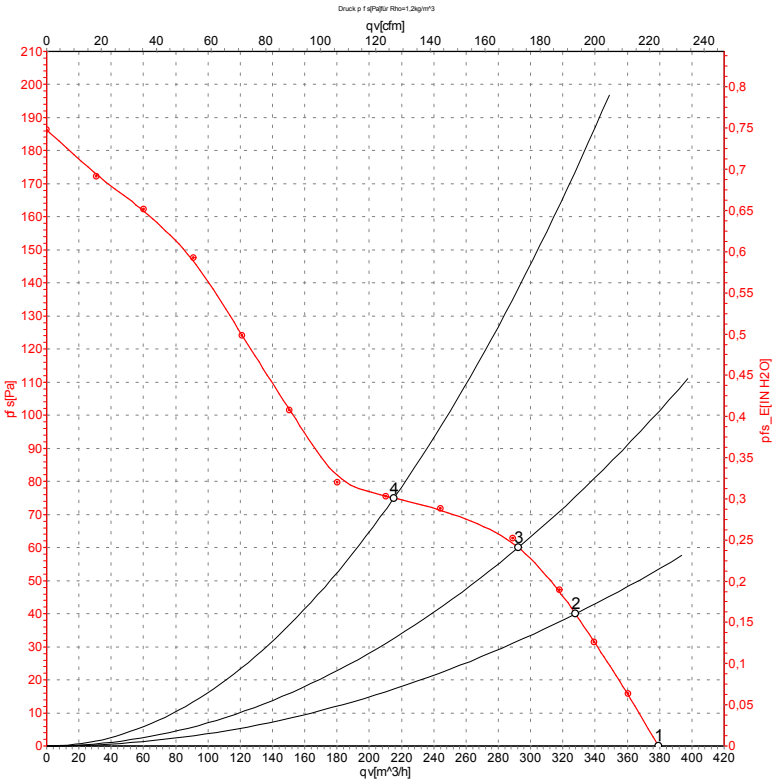
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



W2E142-BB05-87

AC axial compact fan

Charts: Air flow 60 Hz



Measurement: LU-64116

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	m³/h	Pa
1	115	60	3350	28	0.25	380	0
2	115	60	3280	28	0.25	330	40
3	115	60	3240	28	0.25	290	60
4	115	60	3230	29	0.25	215	75

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

