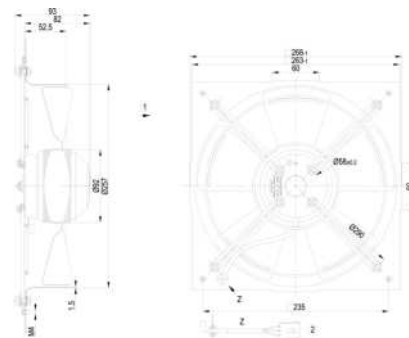


KARTA KATALOGOWA

W2D250-GA02-07

Wentylator osiowy AC, łopatki proste (seria A), z kwadratową pełną dyszą

Producent: ebm-papst

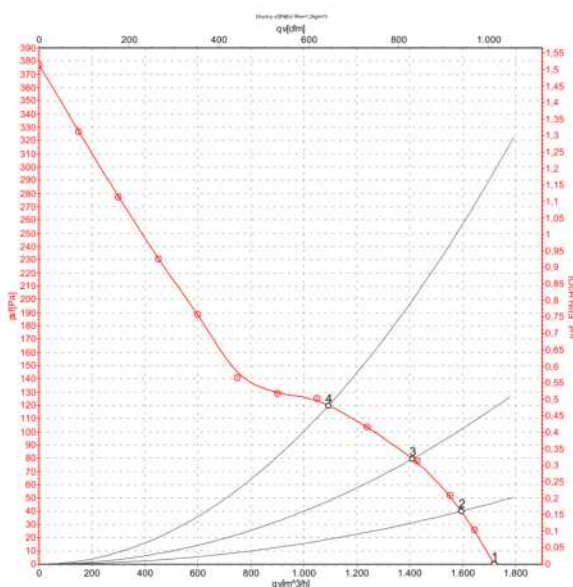


Dane znamionowe		Budowa	
Napięcie znamionowe	3~ 400 V	Wielkość	250 mm
Połączenie	Y	Silnik	M2D068-DF
Częstotliwość	50 / 60 Hz	Materiał wirnika	blacha stalowa malowana na czarno
Prędkość obrotowa	2700 / 3000 obr/min	Liczba łopatek	5
Pobór mocy	112 / 180 W	Kierunek obrotów	w prawo, patrząc na wirnik
Pobór prądu	0,23 / 0,27 A	Stopień ochrony	IP44
Maks. przeciwnieśnienie	280 Pa	Klasa izolacji	B
Temperatura otoczenia	maks. 60 / 50 °C	Łożyskowanie	kulkowe
		Masa	2,9 kg

Dane ErP (UE 327/2011)	
Sprawność całkowita	28,1 %
Przepływ w pkt. optymalnym	1050 m³/h
Przyrost ciśnienia	121 Pa
Regulacja prędkości (ErP)	nie

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz Y



Measurement: LUJ49121

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 wydmuchu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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W2D250-GA02-07

AC axial fan

straight blades (A series)

with full square nozzle

ebm-papst Mulfingen GmbH & Co. KG

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	W2D250-GA02-07		
Motor	M2D068-DF		
Phase		3~	3~
Nominal voltage	VAC	400	400
Connection		Y	Y
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2700	3000
Power input	W	112	180
Current draw	A	0.23	0.27
Max. back pressure	Pa	280	280
Max. ambient temperature	°C	60	50

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

Data according to ErP directive

Installation category	A
Efficiency category	Static
Variable speed drive integrated	No
Specific ratio*	1,00

* Specific ratio = $1 + p_{sf} / 100\,000$

		Actual	Request 2013	Request 2015
Overall efficiency η_e		28,1	24,1	28,1
Efficiency grade N		40	36	40
Power input P_e	kW	0,13		
Air flow q_v	m ³ /h	1050		
Pressure increase Total p_{sf}	Pa	121		
Speed n	min ⁻¹	2600		

Data established at point of optimum efficiency



W2D250-GA02-07

AC axial fan

straight blades (A series)

with full square nozzle

Technical features

Mass	2.9 kg
Size	250 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, coated in black
Material of mounting ring	Steel, phosphated and coated in black plastic
Material of wall ring	Sheet steel, galvanised
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F1-2
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
Leakage current	< 0.75 mA
Cable exit	Lateral
Protection class	I (if earth wire is connected by customer)
Product conforming to standard	EN 60335-1, motor does not have factory-installed overheating protection



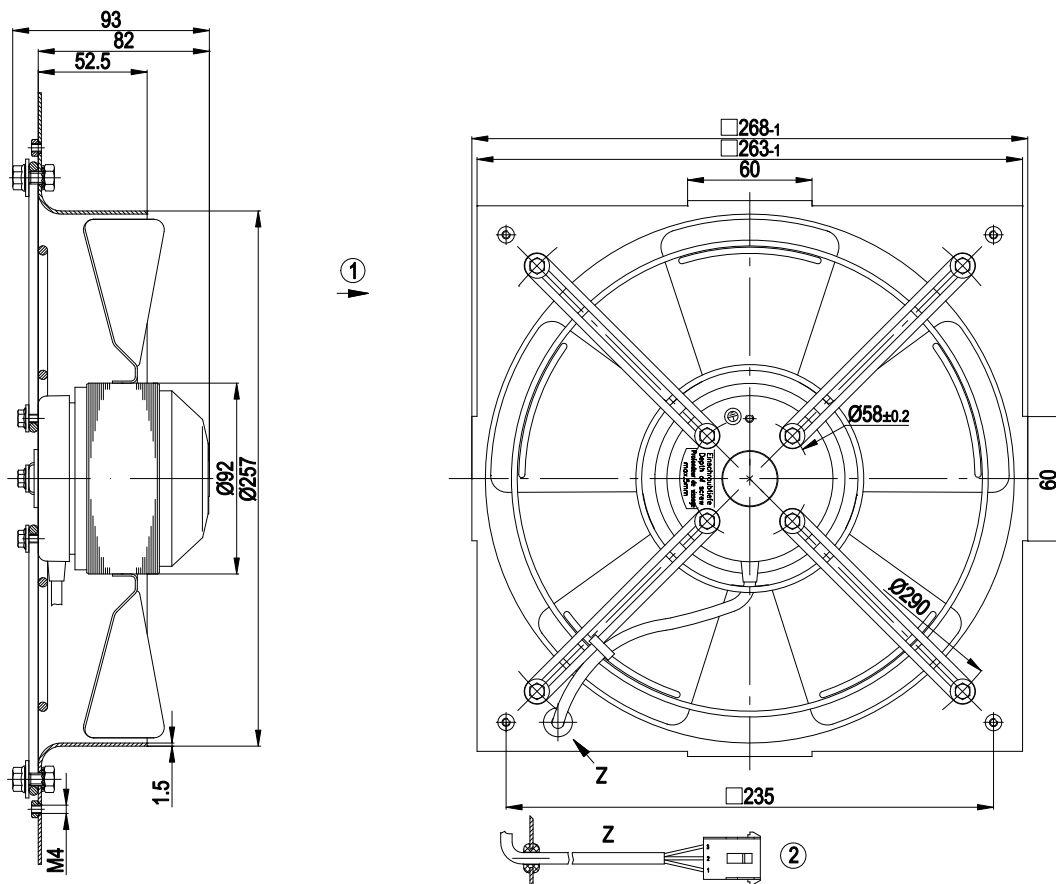
W2D250-GA02-07

AC axial fan

straight blades (A series)

with full square nozzle

Product drawing

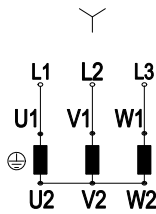


1	Direction of air flow "A"
2	Connection line PVC 3X 0.5 mm ² , length starting at stator bush 250 mm, connector housing Molex No. 350 767-1 crimped
	Plug assignment:
1	black = U1
2	blue = V1
3	brown = W1

W2D250-GA02-07

AC axial fan
straight blades (A series)
with full square nozzle

Connection screen



Note: Direction of rotation changes when two phases are reversed

Y	Star connection	L1	black	L2	blue
L3	brown	U1	black	V1	blue
W1	brown	U2	green	V2	white
W2	yellow				



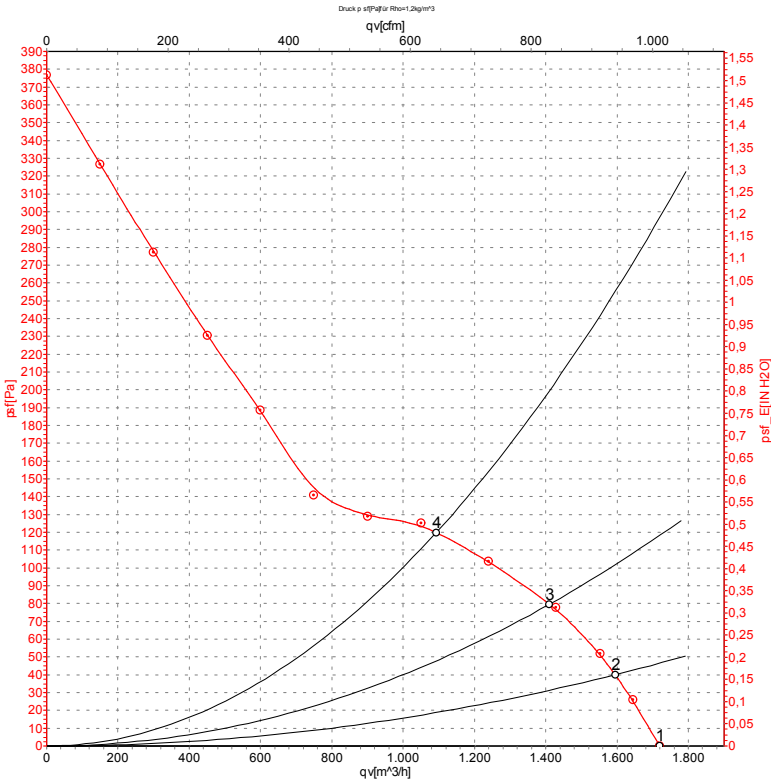
W2D250-GA02-07

AC axial fan

straight blades (A series)

with full square nozzle

Charts: Air flow 50 Hz Y



Measurement: LU-69121

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

	Conn.	U	f	n	P _e	I	qv	P _{sf}
		V	Hz	min ⁻¹	W	A	m³/h	Pa
1	Y	400	50	2650	110	0.22	1720	0
2	Y	400	50	2620	126	0.23	1595	40
3	Y	400	50	2600	131	0.24	1410	80
4	Y	400	50	2595	131	0.24	1090	120



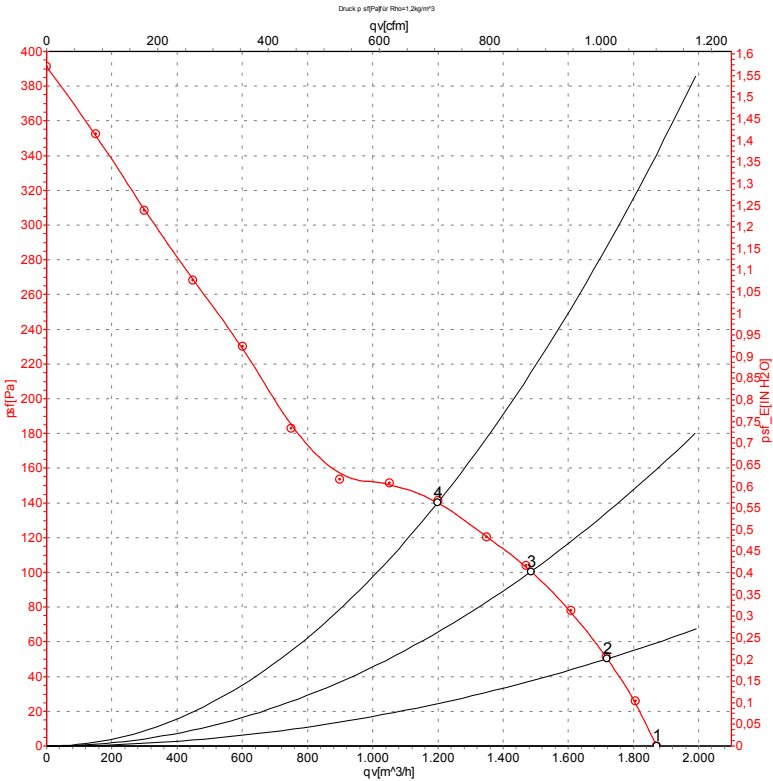
W2D250-GA02-07

AC axial fan

straight blades (A series)

with full square nozzle

Charts: Air flow 60 Hz Y



Measurement: LU-69123

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

	Conn.	U	f	n	P _e	I	qv	P _{sf}
		V	Hz	min ⁻¹	W	A	m³/h	Pa
1	Y	400	60	2950	160	0.26	1870	0
2	Y	400	60	2850	177	0.28	1720	50
3	Y	400	60	2810	184	0.29	1485	100
4	Y	400	60	2805	184	0.29	1200	140

