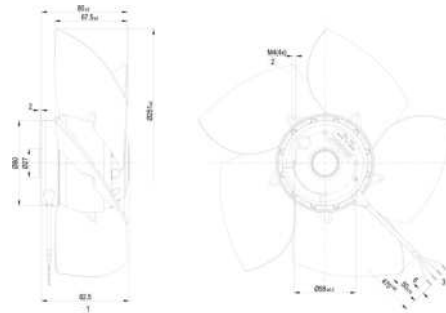


KARTA KATALOGOWA

A2D250-AD26-05

Wentylator osiowy AC, łopatki sierpowe (seria S)

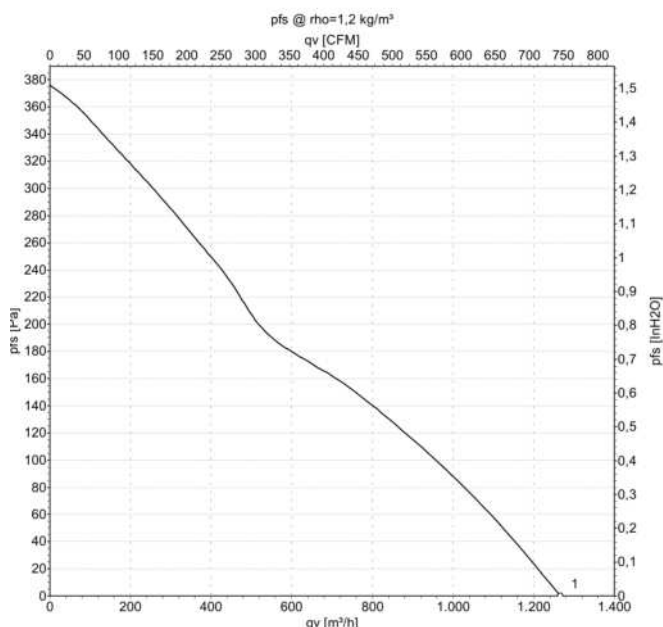
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	3~ 400 / 480 V	Wielkość	250 mm
Połączenie	Y	Silnik	M2D068-DC
Częstotliwość	50 / 60 Hz	Materiał wirnika	blacha stalowa malowana na czarno
Prędkość obrotowa	2520 / 2920 obr/min	Liczba łopatek	5
Pobór mocy	150 / 230 W	Kierunek obrotów	w lewo, patrząc na wirnik
Pobór prądu	0,26 / 0,32 A	Stopień ochrony	IP44
Temperatura otoczenia	min. -25 °C	Klasa izolacji	F
Dane ErP (UE 327/2011)		Łożyskowanie	kulkowe
Sprawność całkowita	24,7 %	Masa	2,14 kg
Przepływ w pkt. optymalnym	800 m³/h		
Przyrost ciśnienia	185 Pa		
Regulacja prędkości (ErP)	nie		

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).

Wartości wg specyfikacji klienta; producent zastrzega możliwość zmian.

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A2D250-AD26-05

AC axial fan

sickled blades (S series)

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Limited partnership · Headquarters Mulfingen

County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

County court Stuttgart · HRB 590142



Nominal data

Type	A2D250-AD26-05		
Motor	M2D068-DC		
Phase		3~	3~
Nominal voltage	VAC	400	480
Connection		Y	Y
Frequency	Hz	50	60
Type of data definition		cs	cs
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2520	2920
Power input	W	150	230
Current draw	A	0.26	0.32
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	-	-

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	No
Specific ratio*	1.00

* Specific ratio = $1 + p_{fs} / 100\,000\text{ Pa}$

	Actual	Request 2013	Request 2015
Overall efficiency η_{es}	24.7	24.6	28.6
Efficiency grade N	36.1	36	40
Power input P_e	kW	0.16	
Air flow q_v	m ³ /h	800	
Pressure increase p_{fs}	Pa	185	
Speed n	min ⁻¹	2450	

Data established at point of optimum efficiency


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A2D250-AD26-05

AC axial fan

sickled blades (S series)

Technical features

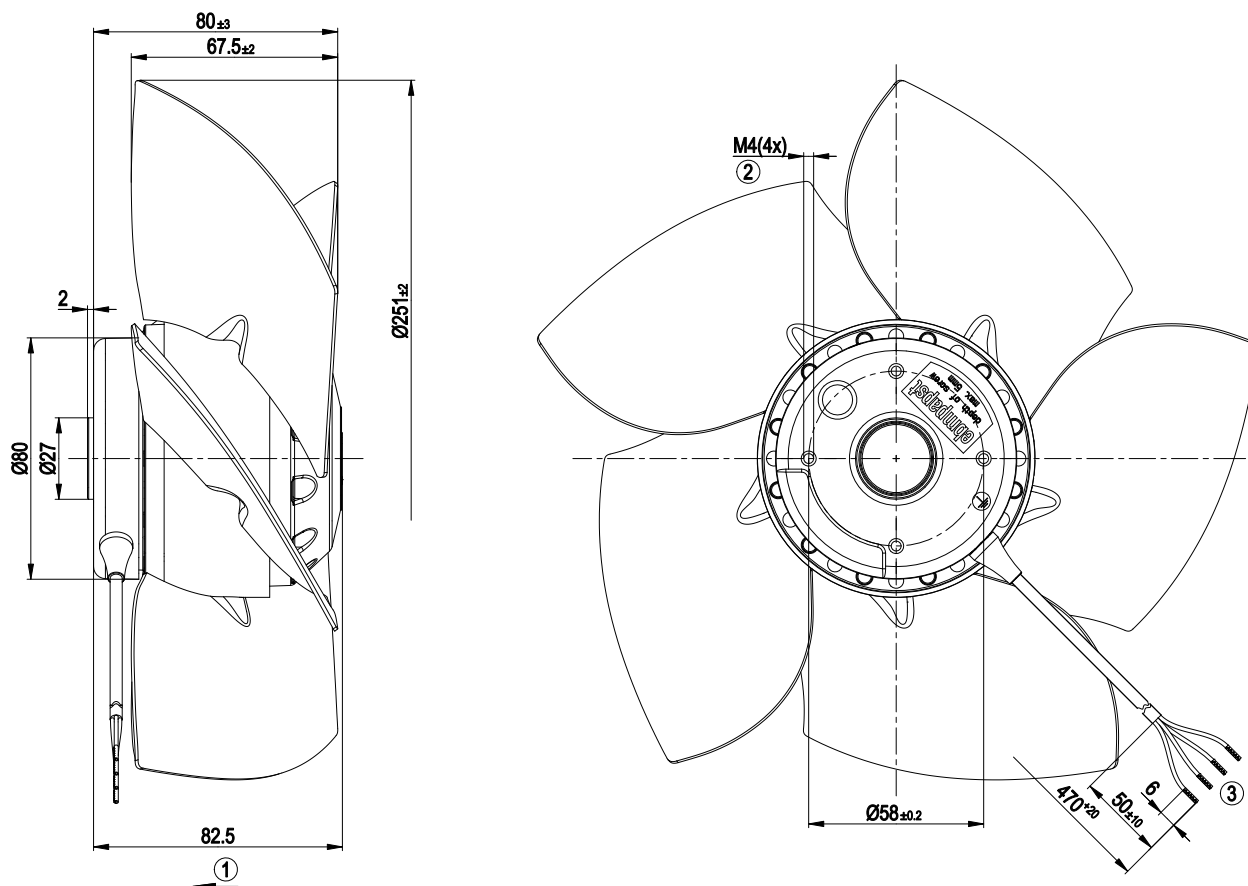
Mass	2.14 kg
Size	250 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"F"
Humidity class	F2-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1
Approval	UL 1004-1; CSA C22.2 Nr.100



A2D250-AD26-05

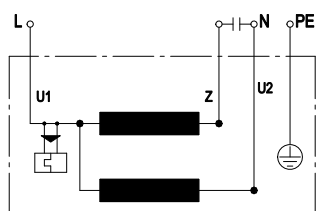
AC axial fan sickled blades (S series)

Product drawing



- | | |
|---|--|
| 1 | Direction of air flow "V" |
| 2 | Depth of screw max. 5 mm |
| 3 | Connection line PFA AWG20, 4 x brass lead tips crimped |

Connection screen



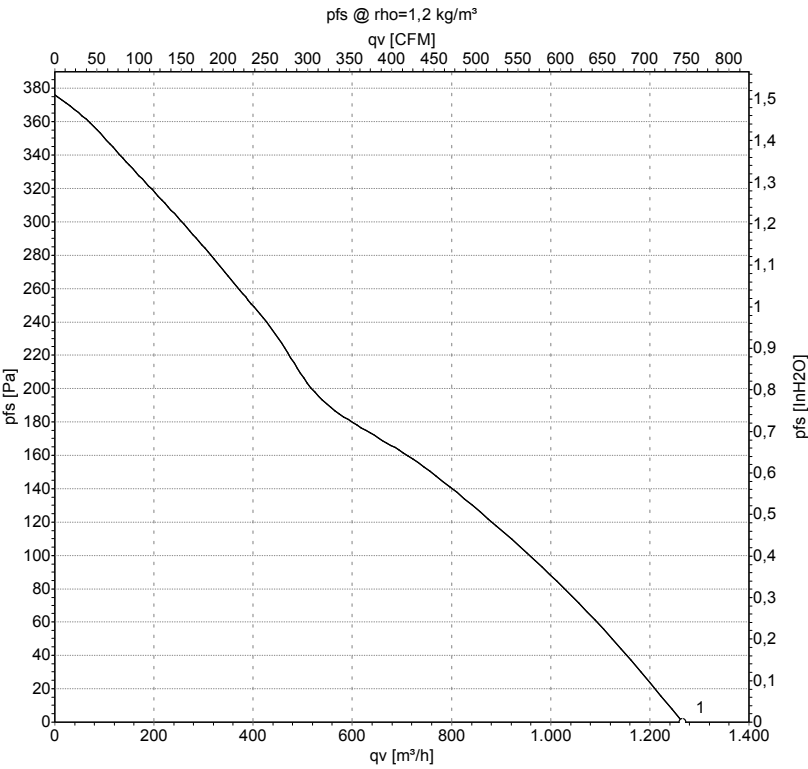
U1	blue	Z	brown	U2	black
PE	green/yellow				


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A2D250-AD26-05

AC axial fan
sickled blades (S series)

Charts: Air flow 50 Hz



Measurement: LU-30683

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
	V	Hz	min ⁻¹	W	A	m³/h
1	400	50	2585	137	0.25	1265

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow

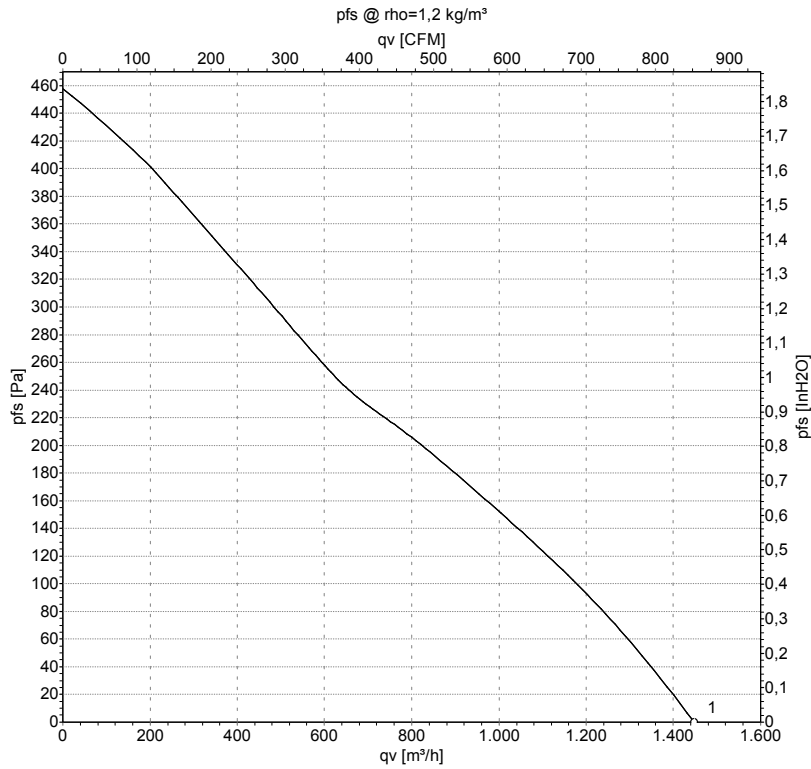


A2D250-AD26-05

AC axial fan

sickled blades (S series)

Charts: Air flow 60 Hz



Measurement: LU-30685

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
	V	Hz	min ⁻¹	W	A	m³/h
1	460	60	2955	215	0.33	1450

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow



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