

KARTA KATALOGOWA

A2D300-AP02-02

Wentylator osiowy AC, łopatki sierpowe (seria S)

Producent: ebm-papst



Zdjęcie poglądowe

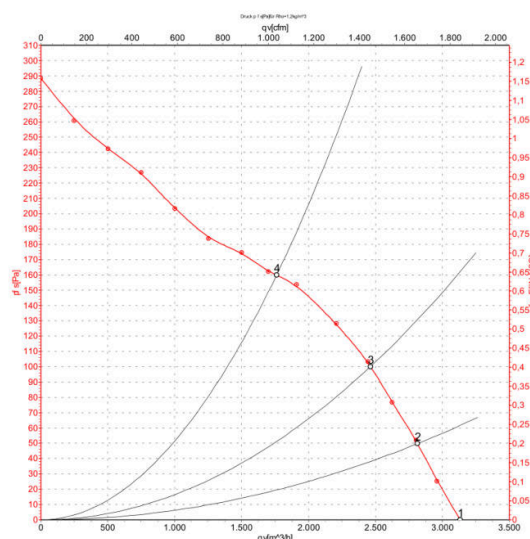
Dane znamionowe	
Napięcie znamionowe	3~ 230 / 400 V
Połączenie	Δ / Y
Częstotliwość	50 Hz
Prędkość obrotowa	2580 obr/min
Pobór mocy	210 W
Pobór prądu	0,62 / 0,36 A
Maks. przeciwnieśnienie	200 Pa
Maks. wydajność	3100 m³/h
Temperatura otoczenia	-25...+75 °C

Dane ErP (UE 327/2011)	
Sprawność całkowita	29,9 %
Przepływ w pkt. optymalnym	2210 m³/h
Przyrost ciśnienia	125 Pa
Regulacja prędkości (ErP)	nie

Budowa	
Wielkość	300 mm
Silnik	M2D074-DF
Materiał wirnika	blacha stalowa malowana na czarno
Liczba łopatek	5
Kierunek obrotów	w prawo, patrząc na wirnik
Stopień ochrony	IP44
Klasa izolacji	F
Łożyskowanie	kulkowe
Masa	3,1 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-62732

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.

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A2D300-AP02-02

AC axial fan

sickled blades (S series)

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Nominal data

Type	A2D300-AP02-02		
Motor	M2D074-DF		
Phase		3~	3~
Nominal voltage	VAC	230	400
Connection		Δ	Y
Frequency	Hz	50	50
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2580	2580
Power input	W	210	210
Current draw	A	0.62	0.36
Max. back pressure	Pa	200	200
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	75	75

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	Overall efficiency η_{es}	Actual 29,9	Request 2013 25,9	Request 2015 29,9
Efficiency category	Static	Efficiency grade N	40	36	40
Variable speed drive integrated	No	Power input P_e	kW	0,25	
Specific ratio*	1,00	Air flow q_v	m³/h	2210	
* Specific ratio = $1 + p_g / 100\,000\text{ Pa}$		Pressure increase p_{fs}	Pa	125	
		Speed n	min ⁻¹	2455	

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

Data established at point of optimum efficiency



A2D300-AP02-02

AC axial fan

sickled blades (S series)

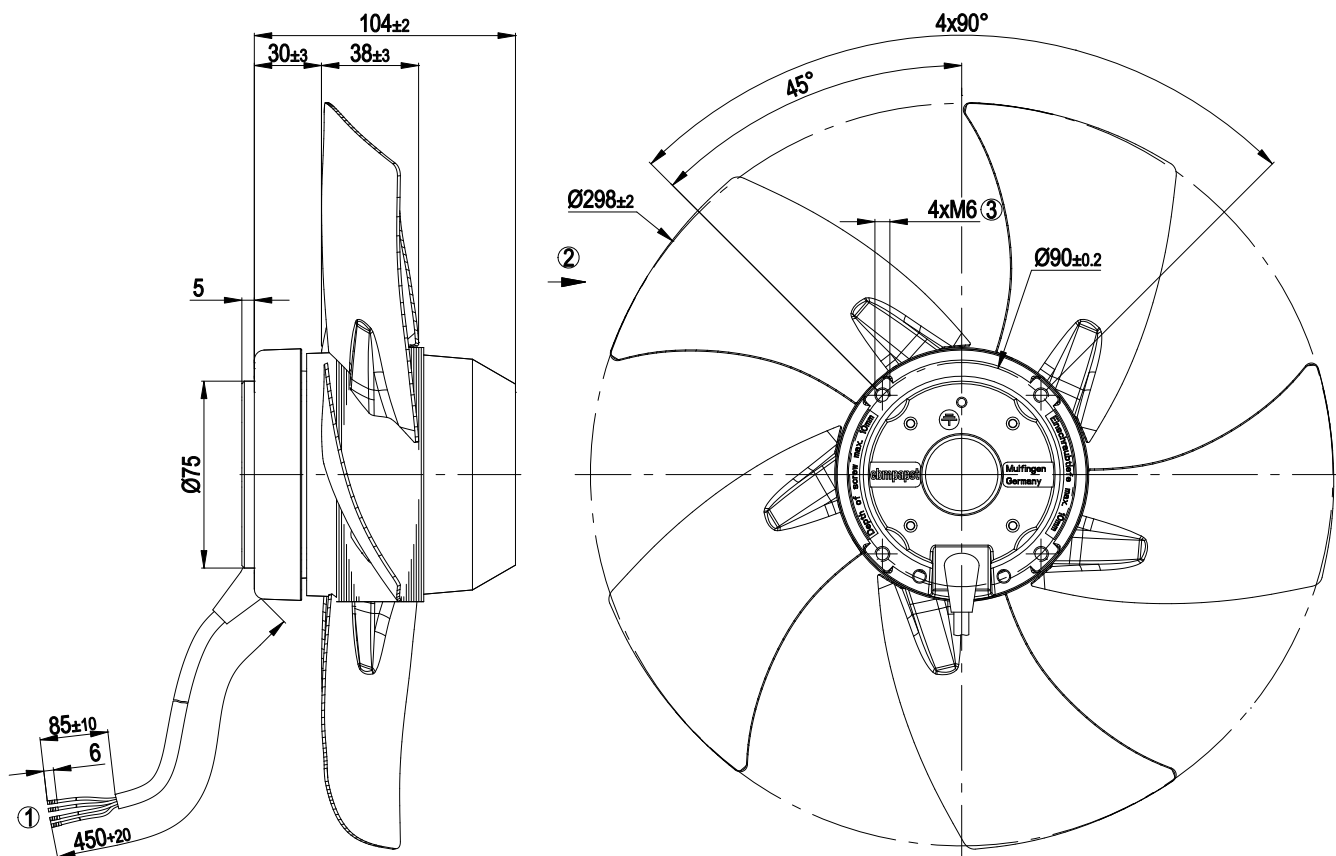
Technical features

Mass	3.1 kg
Size	300 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
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 as per EN 60034-5
Insulation class	"F"
Humidity class	F1-2
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
Leakage current	< 0.75 mA
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1
Approval	CCC

A2D300-AP02-02

AC axial fan sickled blades (S series)

Product drawing

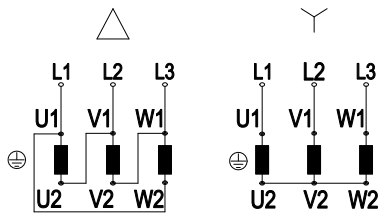


- | | |
|---|---|
| 1 | Connection line PVC, 7x brass lead tips crimped |
| 2 | Direction of air flow "A" |
| 3 | Direction of rotation clockwise, seen on rotor |

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AC axial fan
sickled blades (S series)

Connection screen



Note: Direction of rotation changes when two phases are reversed

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

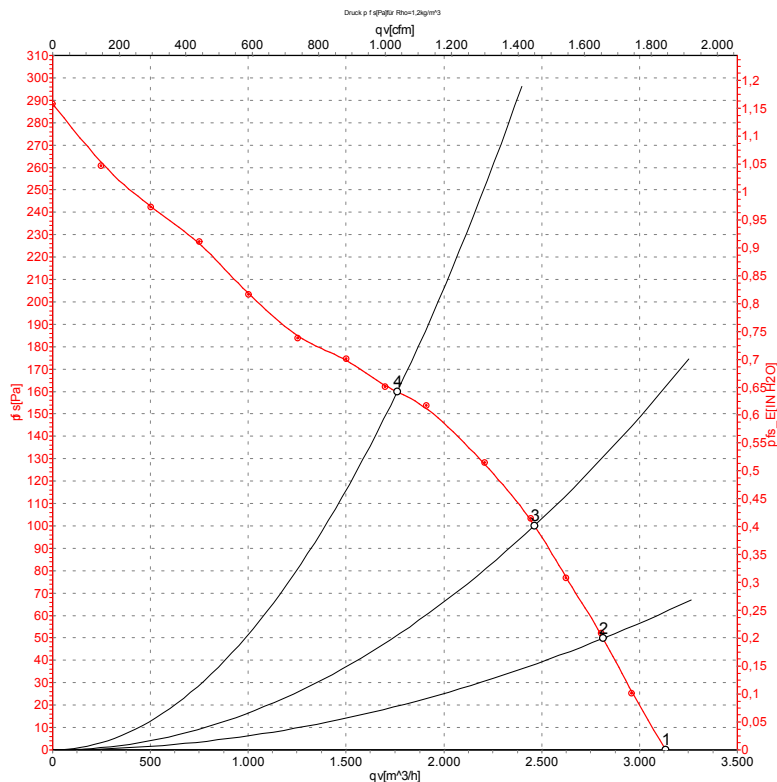


A2D300-AP02-02

AC axial fan

sickled blades (S series)

Charts: Air flow 50 Hz



Measurement: LU-62732

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.

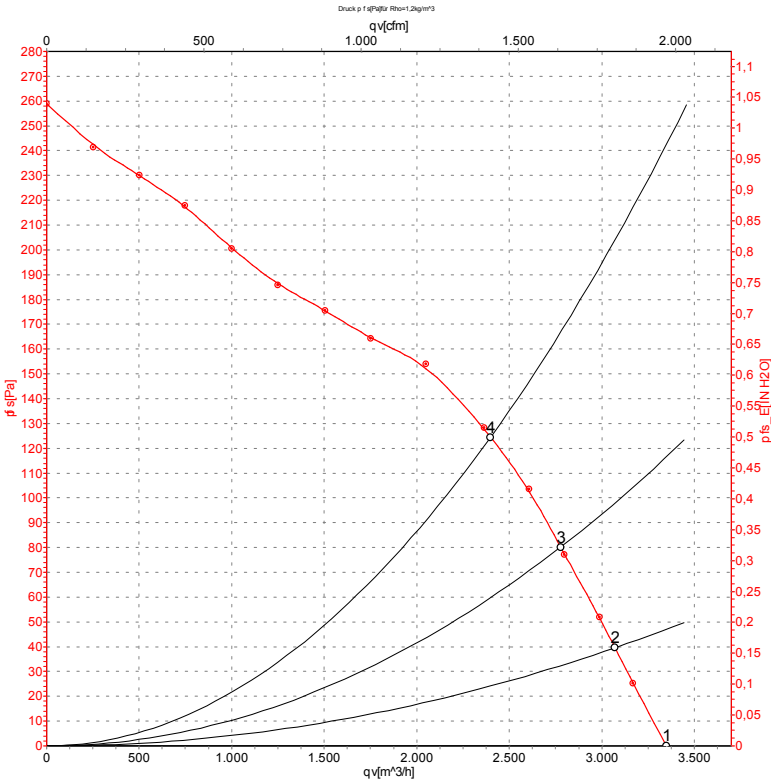
Measured values

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	qv	P _{fs}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m ³ /h	Pa
1	400	50	2580	210	0.36	71	78	3135	0
2	400	50	2540	227	0.36	71	78	2815	50
3	400	50	2490	244	0.39	70	77	2465	100
4	400	50	2395	278	0.43	71	78	1760	160

A2D300-AP02-02

AC axial fan
sickled blades (S series)

Charts: Air flow 60 Hz



Measurement: LU-62733

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	LpA _{in}	LwA _{in}	qv	P _{fs}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa
1	400	60	2750	300	0.48	73	80	3350	0
2	400	60	2685	316	0.48	72	79	3070	40
3	400	60	2625	331	0.50	72	79	2775	80
4	400	60	2550	347	0.52	71	78	2400	125

