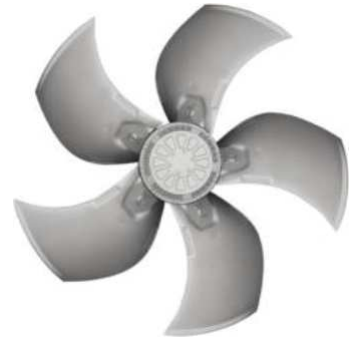


KARTA KATALOGOWA

A6D800-AJ01-01

Wentylator osiowy AC, łopatki sierpowe (seria S)

Producent: ebm-papst



Dane znamionowe

Napięcie znamionowe	3~ 400 / 400 / 415 V
Połączenie	Δ / Y / Δ
Częstotliwość	50 Hz
Prędkość obrotowa	895 / 685 / 915 obr/min
Pobór mocy	2000 / 1270 / 1690 W
Pobór prądu	4,3 / 2,5 / 3,7 A
Prąd rozruchowy	13 / 4,3 A
Maks. przeciwnieśnienie	180 / 100 / 90 Pa
Temperatura otoczenia	min. -40 °C; maks. 50 / 50 / 60 °C

Dane ErP (UE 327/2011)

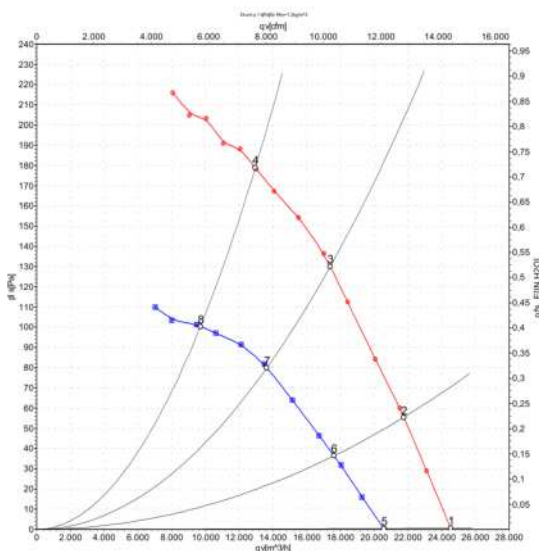
Sprawność całkowita	35,4 %
Przepływ w pkt. optymalnym	17035 m³/h
Przyrost ciśnienia	132 Pa
Regulacja prędkości (ErP)	nie

Budowa

Wielkość	800 mm
Silnik	M6D138-LA
Materiał wirnika	odlew aluminiowy
Liczba łopatek	5
Kierunek obrotów	w prawo, patrząc na wirnik
Stopień ochrony	IP54
Klasa izolacji	F
Zabezpieczenie silnika	termik (TOP), wyprowadzony
Łożyskowanie	kulkowe
Podłączenie	skrzynka zaciskowa
Masa	26,4 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



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 maksymalnym obciążeniu; producent zastrzega możliwość zmian.

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A6D800-AJ01-01

AC axial fan

sickled blades (S series)


ebm-papst Mulfingen GmbH & Co. KG

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Nominal data

Type	A6D800-AJ01-01			
Motor	M6D138-LA			
Phase		3~	3~	3~
Nominal voltage	VAC	400	400	415
Connection		Δ	Y	Δ
Frequency	Hz	50	50	50
Type of data definition		ml	ml	ml
Valid for approval / standard		CE	CE	CE
Speed	min ⁻¹	895	685	915
Power input	W	2000	1270	1690
Current draw	A	4.3	2.5	3.7
Max. back pressure	Pa	180	100	90
Min. ambient temperature	°C	-40	-40	-40
Max. ambient temperature	°C	50	50	60
Starting current	A	13	4.3	

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}	%	35.4	31.2	35.2
Efficiency grade N		40.2	36	40
Power input P_e	kW	1.76		
Air flow q_v	m ³ /h	17035		
Pressure increase p_{fs}	Pa	132		
Speed n	min ⁻¹	900		

Data definition with optimum efficiency. LU-100640
The ErP data is determined using a motor-impeller combination in a standardised measurement configuration.



A6D800-AJ01-01

AC axial fan

sickled blades (S series)

Technical features

Mass	26.4 kg
Size	800 mm
Surface of rotor	Cast in aluminium
Material of terminal box	PP plastic
Material of blades	Die-cast aluminum
Number of blades	5
Blade angle	0
Direction of air flow	"V"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"F"
Humidity class	F3-1
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	On rotor and stator sides
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	<= 3.5 mA
Electrical leads	Via terminal box
Motor protection	Thermal overload protector (TOP) brought out
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60034; EN 61800-5-1; CE
Approval	EAC; VDE

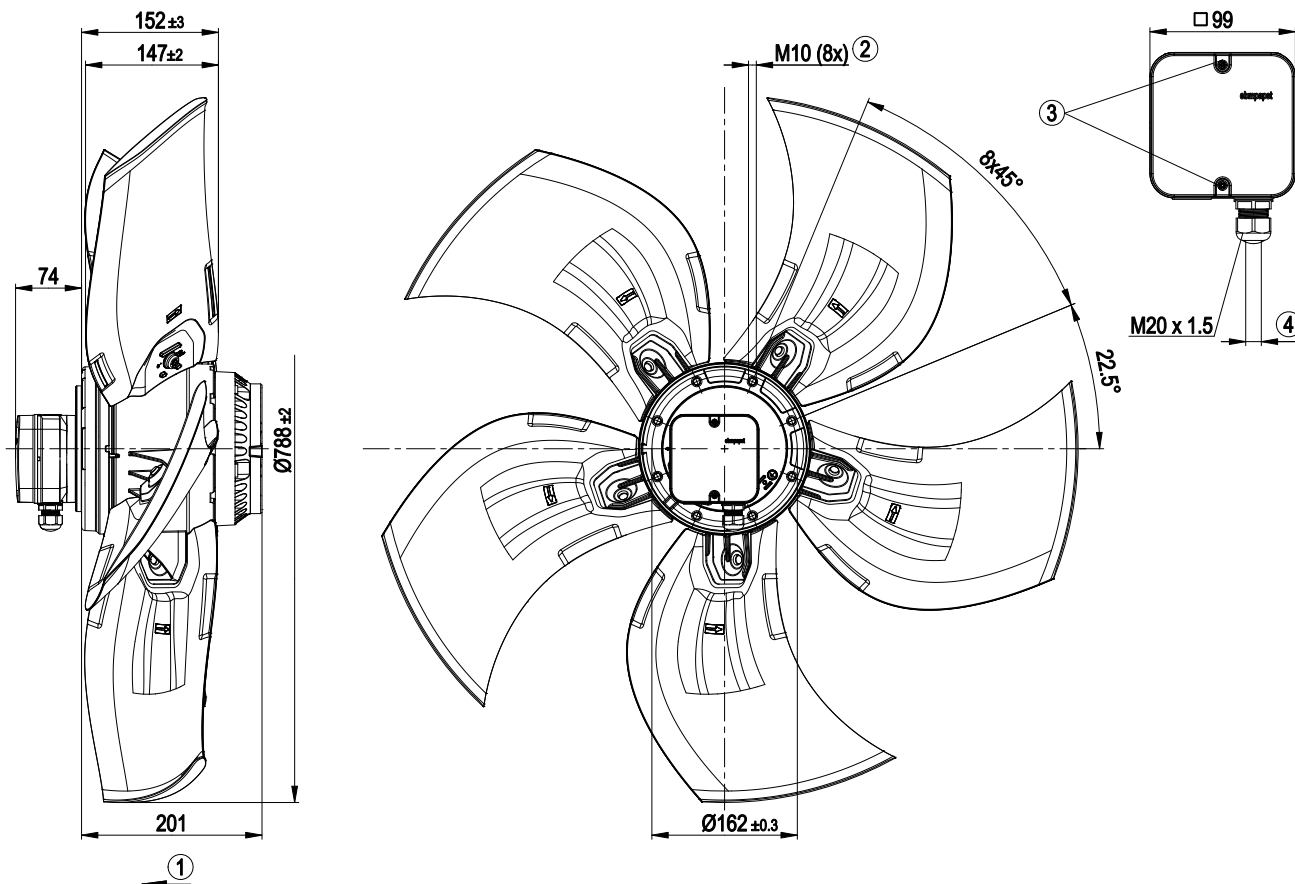


A6D800-AJ01-01

AC axial fan

sickled blades (S series)

Product drawing

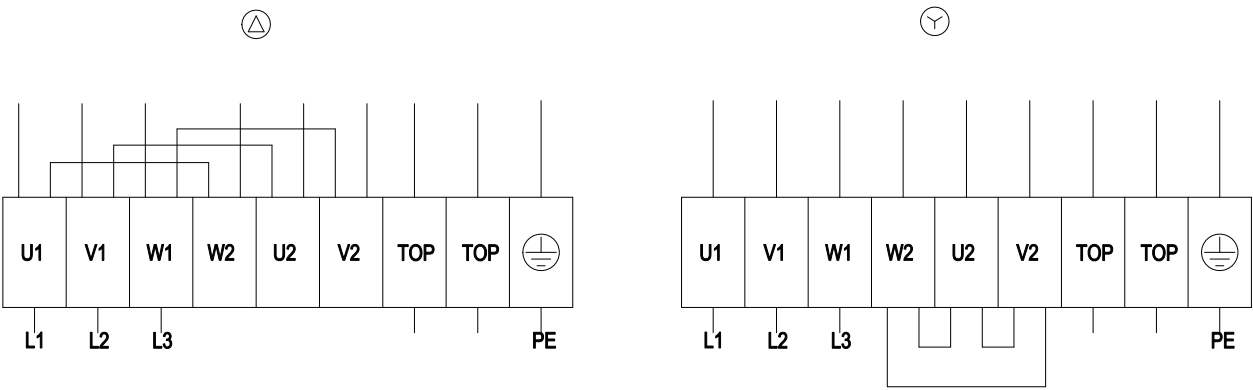


1	Direction of air flow "V"
2	Screw depth max. 18 mm
3	Tightening torque 1.5±0.2 Nm
4	Cable diameter: min. 7 mm, max. 14 mm, tightening torque: 2±0.3 Nm

A6D800-AJ01-01

AC axial fan
sickled blades (S series)

Connection screen



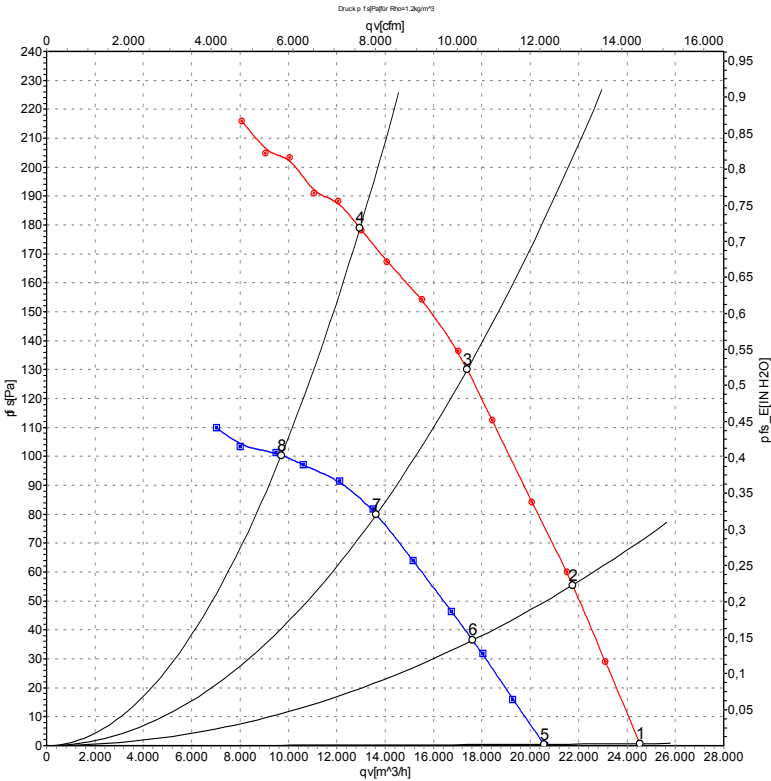
Δ	Delta connection	Y	Star connection	L1	= U1 = black
L2	= V1 = blue	L3	= W1 = brown	W2	yellow
U2	green	V2	white	TOP	2 x grey
PE	green/yellow				



A6D800-AJ01-01

AC axial fan
sickled blades (S series)

Charts: Air flow 50 Hz



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	LpA _{in}	LwA _{in}	qv	P _{fs}
		V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m ³ /h	Pa
1	Δ	400	50	930	1440	3.50	67	73	24530	0
2	Δ	400	50	915	1561	3.50	65	71	21750	55
3	Δ	400	50	900	1749	3.63	66	72	17390	130
4	Δ	400	50	895	2000	4.30	71	78	12960	180
5	Y	400	50	785	1030	1.90	63	70	20570	0
6	Y	400	50	750	1080	2.02	61	68	17620	36
7	Y	400	50	705	1157	2.17	61	67	13630	80
8	Y	400	50	685	1270	2.50	64	72	9705	100

Conn. = Connection · U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · LpA_{in} = Sound pressure level inlet side · LwA_{in} = Sound power level inlet side
qv = Air flow · p_{fs} = Pressure increase

