

KARTA KATALOGOWA

A6D800-AU01-01

Wentylator osiowy AC HyBlade, łopatki sierpowe (seria S)

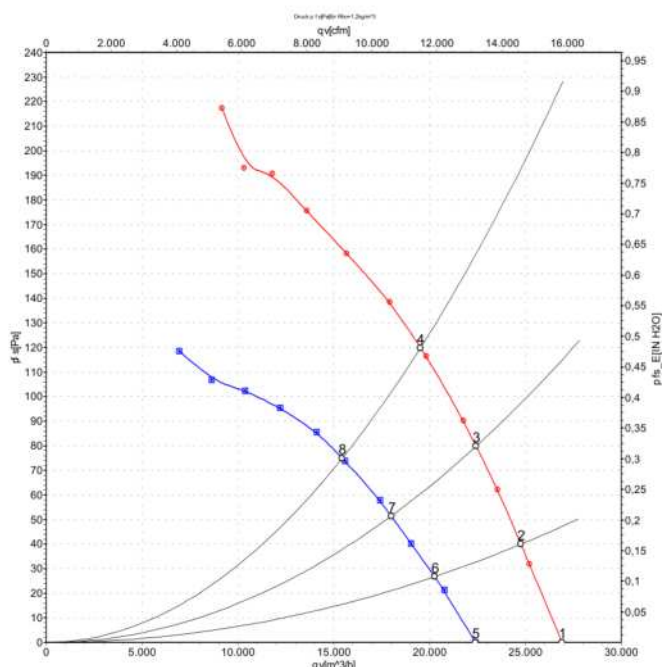
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	3~ 400 V	Wielkość	800 mm
Połączenie	Δ / Y	Silnik	M6D138-NA
Częstotliwość	50 Hz	Materiał wirnika	wkładka z blachy aluminiowej natryskiwana tworzywem PP
Prędkość obrotowa	900 / 700 obr/min	Liczba łopatek	5
Pobór mocy	2330 / 1590 W	Kierunek obrotów	w prawo, patrząc na wirnik
Pobór prądu	4,85 / 2,87 A	Stopień ochrony	IP54
Prąd rozruchowy	18,6 / 6,0 A	Klasa izolacji	F
Maks. przeciwnieśnienie	120 / 75 Pa	Zabezpieczenie silnika	termik (TOP), wyprowadzony
Temperatura otoczenia	-40...+50 °C	Łożyskowanie	kulkowe
		Podłączenie	skrzynka zaciskowa
		Masa	27,1 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz


 Measurement: LU-113289
 Measurement: LU-113294

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.

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-AU01-01

AC axial fan - HyBlade®

sickled blades (S series)



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Nominal data

Type	A6D800-AU01-01		
Motor	M6D138-NA		
Phase		3~	3~
Nominal voltage	VAC	400	400
Connection		Δ	Y
Frequency	Hz	50	50
Type of data definition		ml	ml
Valid for approval / standard		VDE	VDE
Speed	min ⁻¹	900	700
Power input	W	2330	1590
Current draw	A	4.85	2.87
Max. back pressure	Pa	120	75
Min. ambient temperature	°C	-40	-40
Max. ambient temperature	°C	50	50
Starting current	A	18.6	6.0

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



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Technical features

Mass	27.1 kg
Size	800 mm
Surface of rotor	Cast in aluminium
Material of terminal box	PP plastic
Material of blades	Aluminium sheet insert, sprayed with PP plastic
Number of blades	5
Blade angle	5
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 60034-1 (2010); EN 61800-5-1
Approval	EAC; VDE

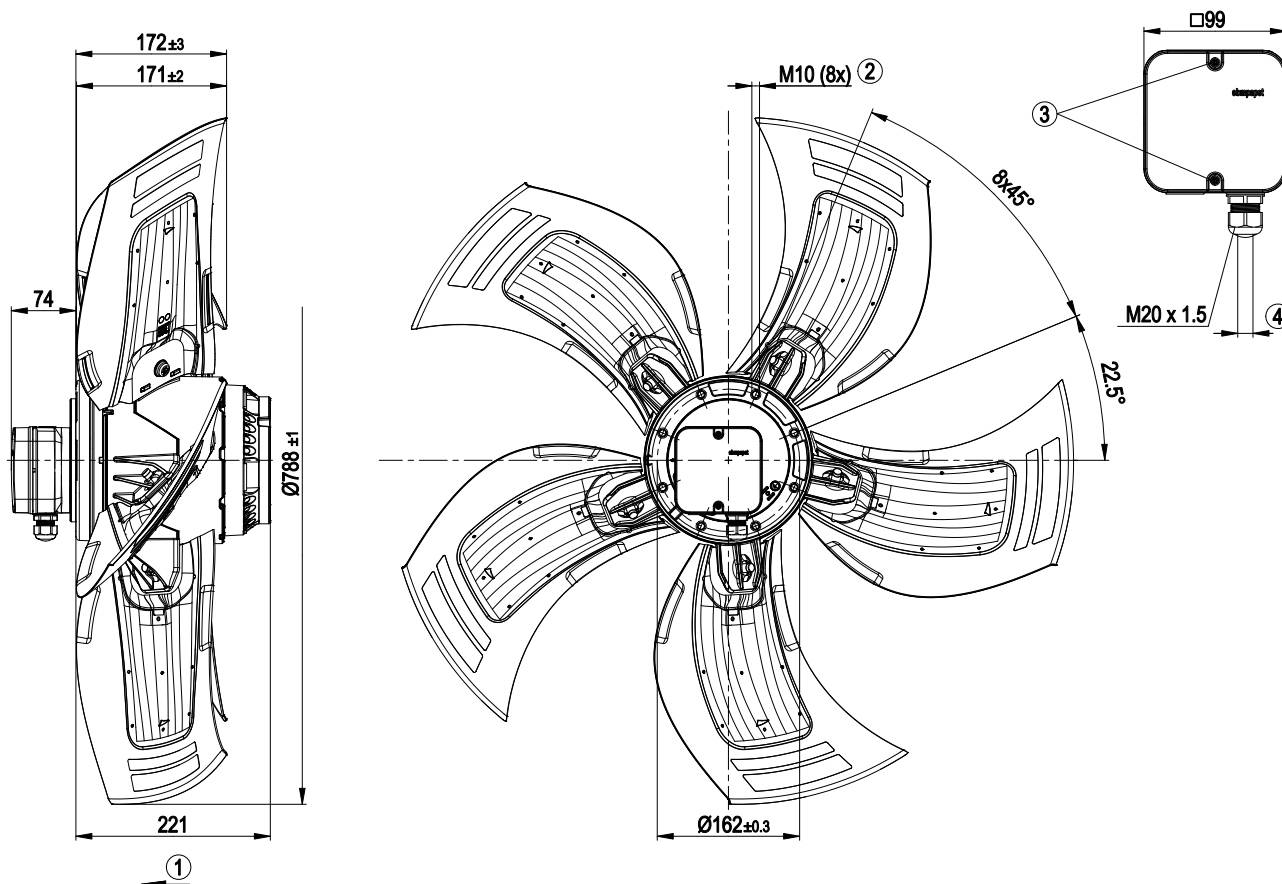


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Product drawing

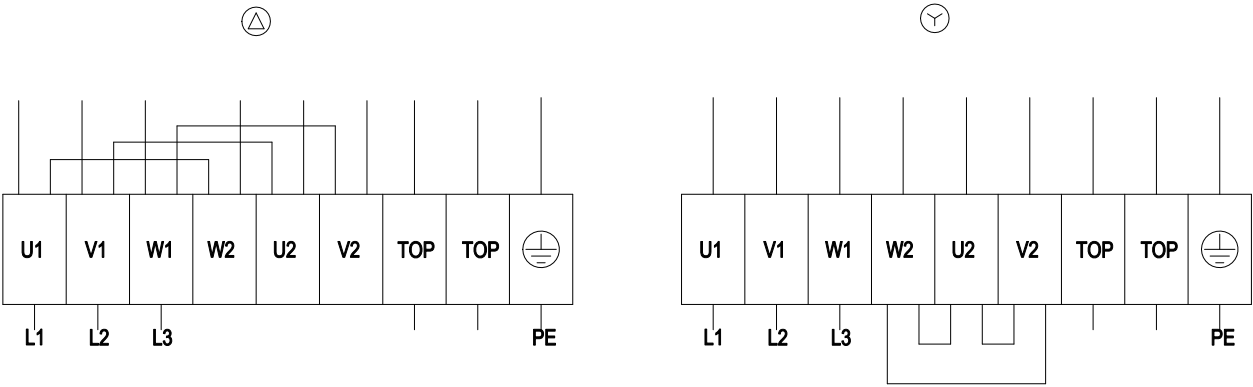


1	Direction of air flow "V"
2	Depth of screw max. 18 mm
3	Tightening torque 1.5±0.2 Nm
4	Cable diameter: min. 7 mm, max. 14 mm; tightening torque: 2±0.3 Nm

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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				

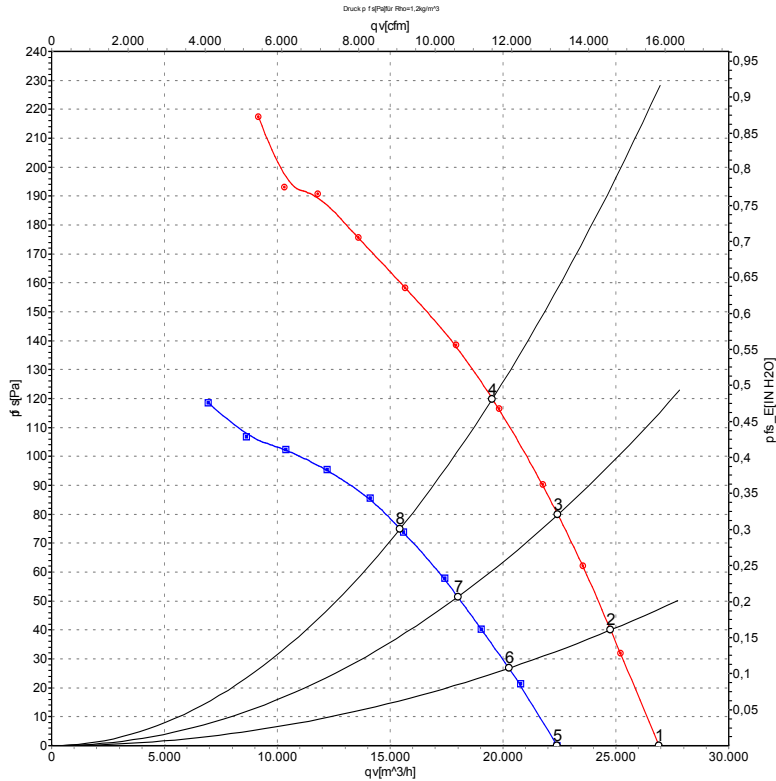


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Charts: Air flow 50 Hz



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Measurement: LU-113294

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Measured values

	Conn.	U	f	n	P _e	I	L _{pA_{in}}	L _{wA_{in}}	L _{wA_{out}}	qv	p _{fs}
		V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	dB(A)	m³/h	Pa
1	Δ	400	50	925	1870	4.50	67	74	75	26920	0
2	Δ	400	50	920	1988	4.59	67	74	74	24770	40
3	Δ	400	50	910	2103	4.69	68	74	74	22430	80
4	Δ	400	50	900	2330	4.85	69	76	75	19530	120
5	Y	400	50	765	1340	2.47	62	69	69	22380	0
6	Y	400	50	750	1391	2.58	62	69	68	20260	27
7	Y	400	50	735	1443	2.68	62	69	68	18000	52
8	Y	400	50	700	1590	2.87	63	70	69	15440	75

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

