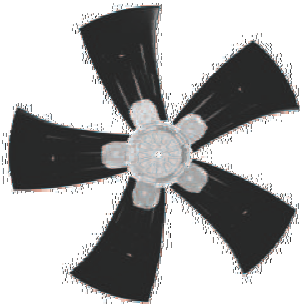


A6D910-AA01-01

AC axial fan - HyBlade®

sickled blades (S series)



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Nominal data

Type	A6D910-AA01-01		
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		CE	CE
Speed	min ⁻¹	885	685
Power input	W	2480	1570
Current draw	A	5.15	2.9
Max. back pressure	Pa	150	90
Max. ambient temperature	°C	50	50

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

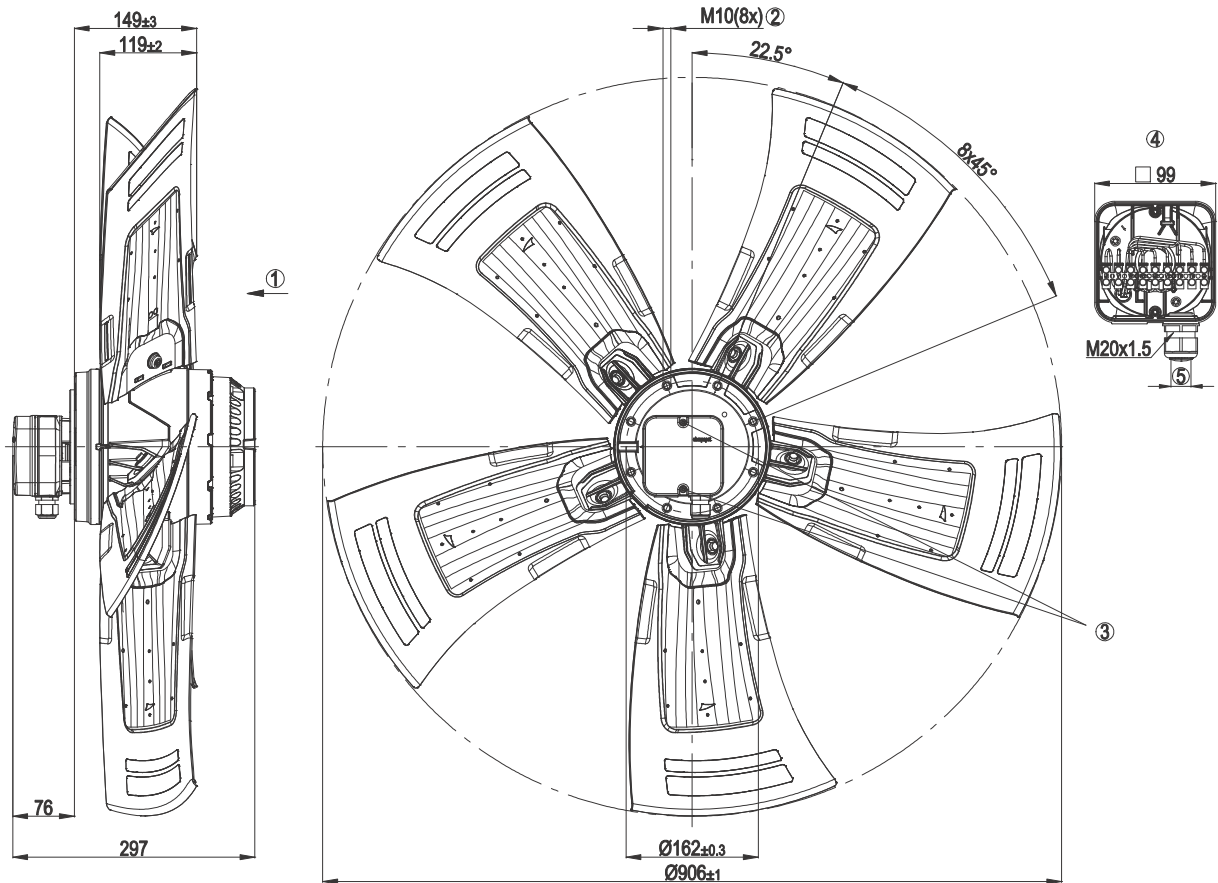


Technical features

Mass	28 kg
Size	910 mm
Surface of rotor	Cast in aluminium
Material of terminal box	Plastic, fibreglass-reinforced
Material of blades	Aluminium sheet insert, sprayed with PP plastic
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
Leakage current	<= 3.5 mA
Electrical leads	Via terminal box
Motor protection	Thermal overload protector (TOP) brought out
Cable exit	Axial
Protection class	I
Product conforming to standard	EN 61800-5-1; EN 60034; CE
Approval	VDE

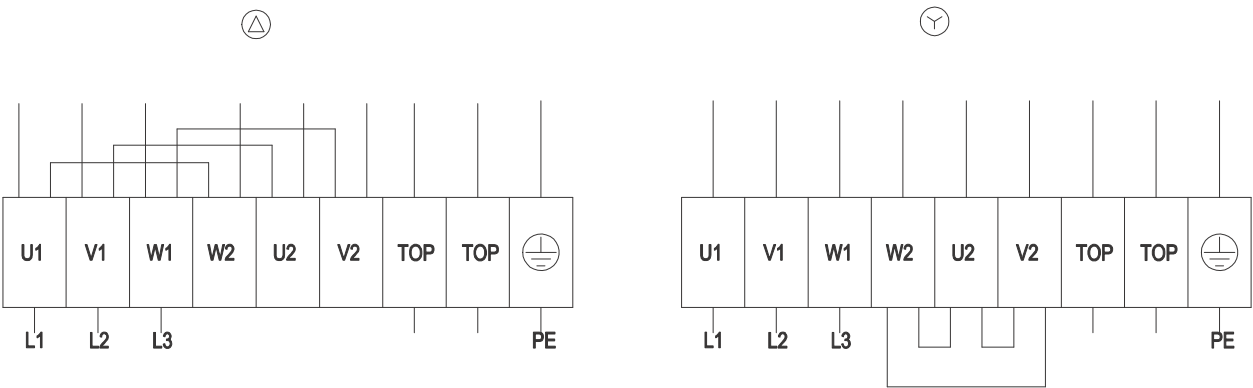


Product drawing



1	Direction of air flow "V"
2	Depth of screw max. 18 mm
3	Tightening torque 1.5 ± 0.2 Nm
4	Illustration without terminal box cover
5	Cable diameter: min. 7 mm, max. 14 mm; tightening torque: 2.0 ± 0.30 Nm

Connection screen

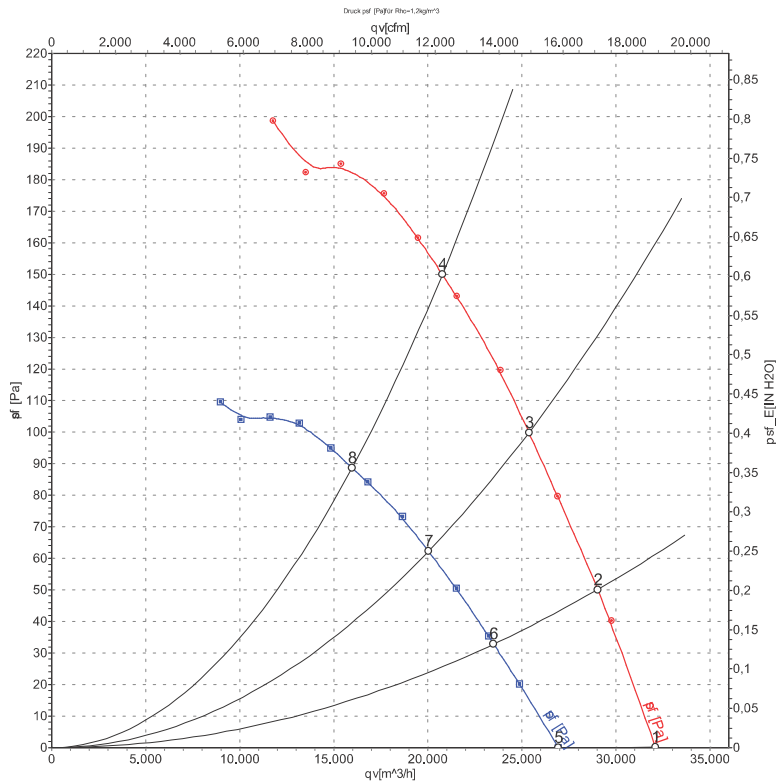


Note: Direction of rotation changes when two phases are reversed

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				



Charts: Air flow 50 Hz



Measurement: LU-117504
 Measurement: LU-118398

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.

Measured values

	Conn.	U	f	n	P_e	I	$L_{pA_{in}}$	$L_{wA_{in}}$	$L_{wA_{out}}$	qv	p_{sf}
		V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	dB(A)	m ³ /h	Pa
1	Δ	400	50	930	1786	4.38	70	77	78	32100	0
2	Δ	400	50	915	2050	4.67	68	75	75	29020	50
3	Δ	400	50	900	2262	4.88	68	75	75	25370	100
4	Δ	400	50	885	2480	5.15	70	77	77	20770	150
5	Y	400	50	785	1291	2.44	65	73	73	26940	0
6	Y	400	50	750	1410	2.67	63	70	70	23500	33
7	Y	400	50	715	1489	2.82	61	69	69	20030	62
8	Y	400	50	685	1570	2.90	63	71	70	15980	90

