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Nominal data

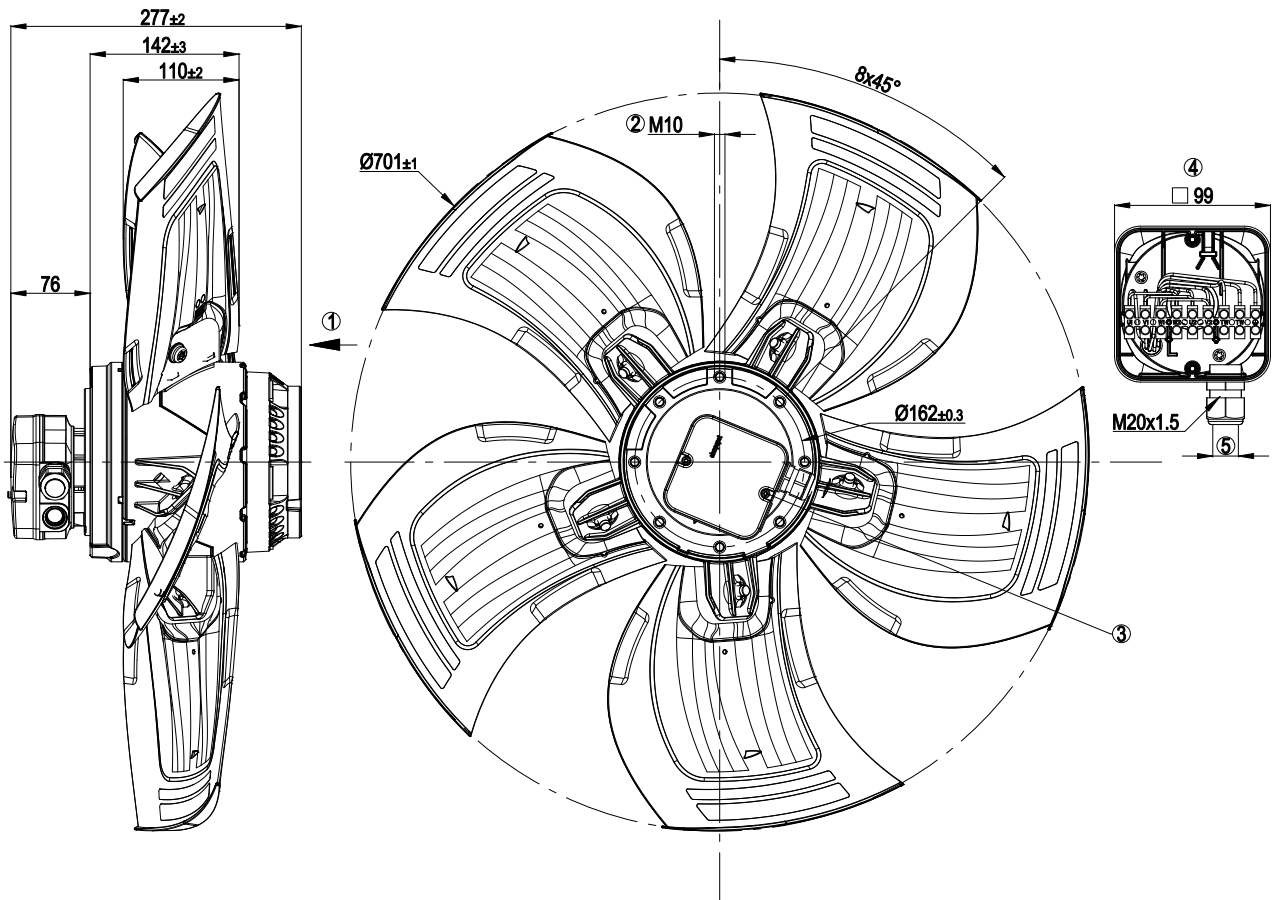
Type	A4D710-AF01-01		
Motor	M4D138-LA		
Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		D	Y
Frequency	[Hz]	50	50
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1350	1095
Power input	[W]	2380	1660
Current draw	[A]	4.5	2.76
Max. back pressure	[Pa]	250	160
Max. ambient temperature	[°C]	60	60

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

Technical features

Leakage current	<= 3.5 mA
Size	710 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Electrical leads	Via terminal box
Humidity class	F3-1
Blade angle	-10°
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	22 kg
Material of protective cover	Plastic PA66, fibreglass-reinforced
Material of terminal box	ABS plastic, black
Material of blades	Aluminium sheet insert, sprayed with PP plastic
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 60034; EN 61800-5-1
Surface of rotor	Cast in aluminium
Number of blades	5
Type of protection	IP 54
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	VDE

Product drawing

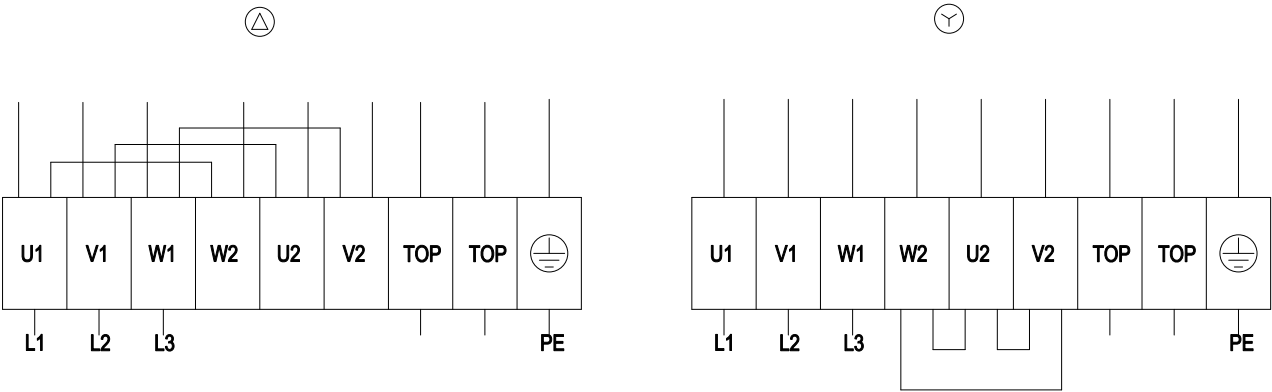


1	Direction of air flow "V"
2	Depth of screw max. 18 mm
3	Tightening torque 0.8 ± 0.3 Nm
4	Illustration without terminal box cover
5	Cable diameter: min. 7 mm, max. 14 mm, tightening torque: 2 ± 0.15 Nm

AC axial fan - HyBlade®

sickled blades (S series), single inlet

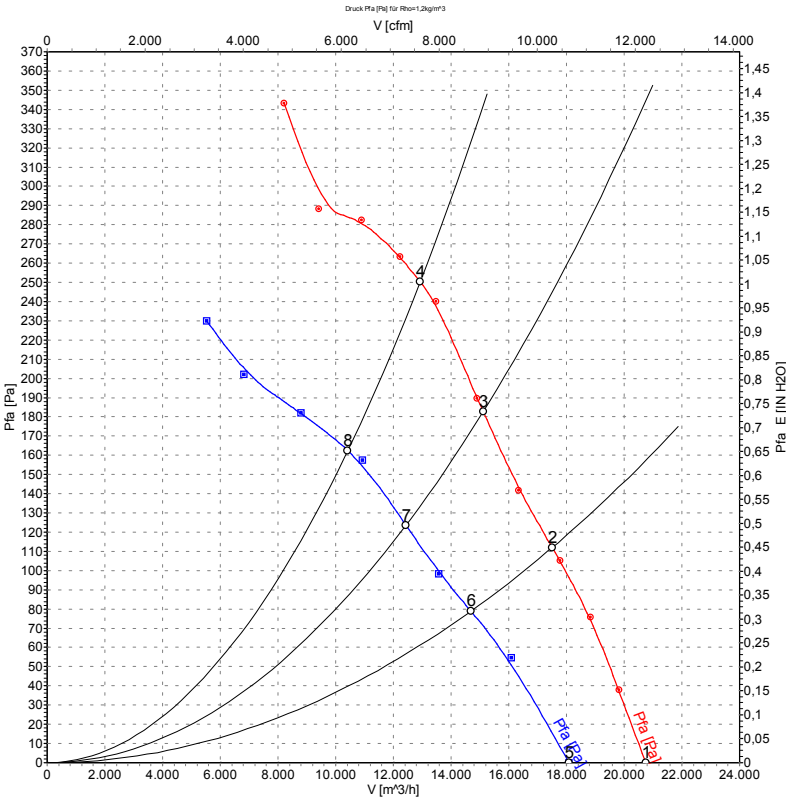
Connection screen



Note: Direction of rotation changes when two phases are reversed

△	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



Measured values

	Conn.	U	f	n	P ₁	I	LpA _{ss}	LpA _{ds}	LwA _{ss}	LwA _{ds}	$\dot{V}$	P _{fa}
		[V]	[Hz]	[min ⁻¹]	[W]	[A]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	[m³/h]	[Pa]
1	Δ	400	50	1415	1570	3.45	73	73	80	80	20740	0
2	Δ	400	50	1380	1995	3.92	75	66	81	81	17510	112
3	Δ	400	50	1365	2227	4.24	77	67	83	83	15110	182
4	Δ	400	50	1350	2380	4.50	79	71	86	86	12930	250
5	Y	400	50	1240	1230	2.09	70	68	77	77	18090	0
6	Y	400	50	1165	1474	2.50	69	61	76	76	14690	79
7	Y	400	50	1125	1590	2.71	71	62	78	77	12430	124
8	Y	400	50	1095	1660	2.76	74	65	81	80	10420	160