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Nominal data

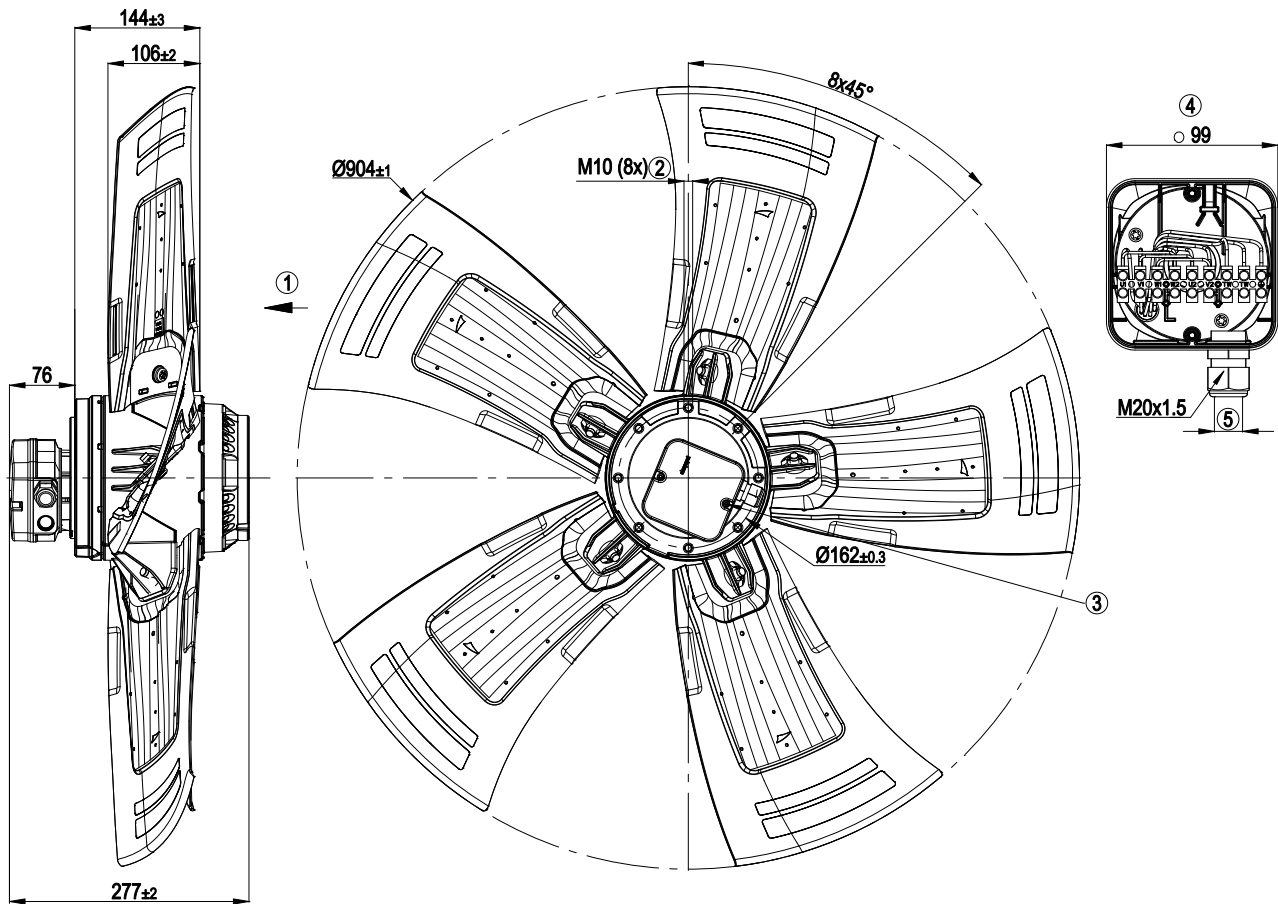
Type	A6D910-AE01-01		
Motor	M6D138-LA		
Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		D	Y
Frequency	[Hz]	50	50
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	890	670
Power input	[W]	1840	1150
Current draw	[A]	3.83	2.22
Max. back pressure	[Pa]	145	82
Max. ambient 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

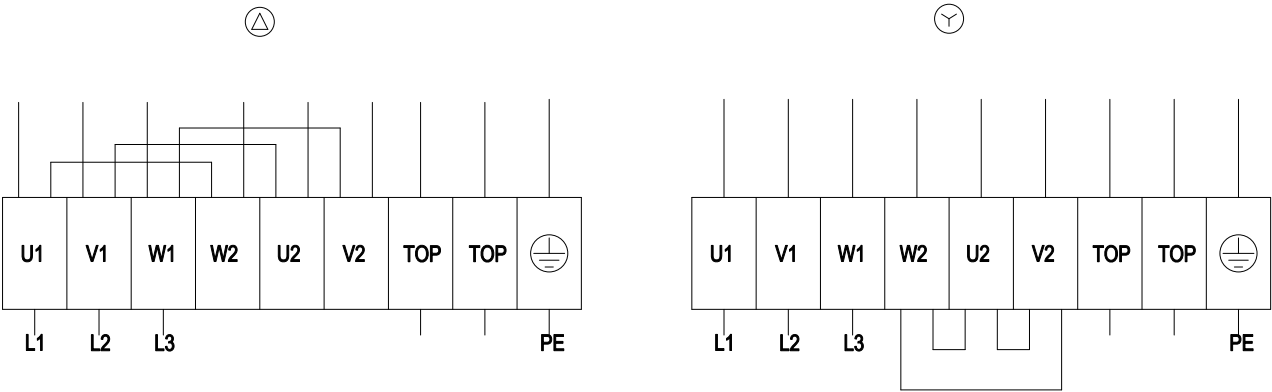
Leakage current	<= 3.5 mA
Size	910 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Electrical leads	Via terminal box
Humidity class	F3-1
Blade angle	-5°
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	28 kg
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

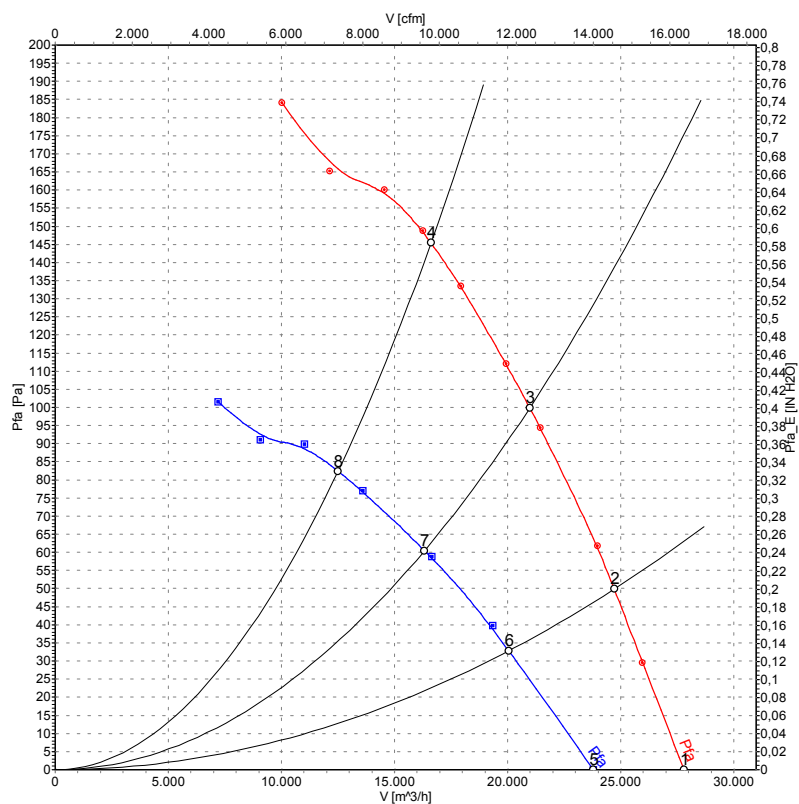
Connection screen



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



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	935	1199	2.99	71	66	78	78	27800	0
2	Δ	400	50	920	1437	3.26	68	62	76	76	24720	50
3	Δ	400	50	905	1663	3.57	68	60	75	75	20990	100
4	Δ	400	50	890	1840	3.83	71	64	79	78	16620	145
5	Y	400	50	800	882	1.68	67	61	74	74	23800	0
6	Y	400	50	750	1012	1.93	63	56	71	70	20050	34
7	Y	400	50	705	1097	2.11	61	53	69	68	16330	61
8	Y	400	50	670	1150	2.22	66	58	73	73	12510	82