A4D560-AE03-01

AC axial fan

sickled blades (S series)



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Nominal data

Type	**A4D560-AE03-01**
Motor	**M4D110-GF**

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}]	1270	925
Power input	[W]	1030	630
Current draw	[A]	1.9	1.06
Max. back pressure	[Pa]	150	80
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

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Technical features

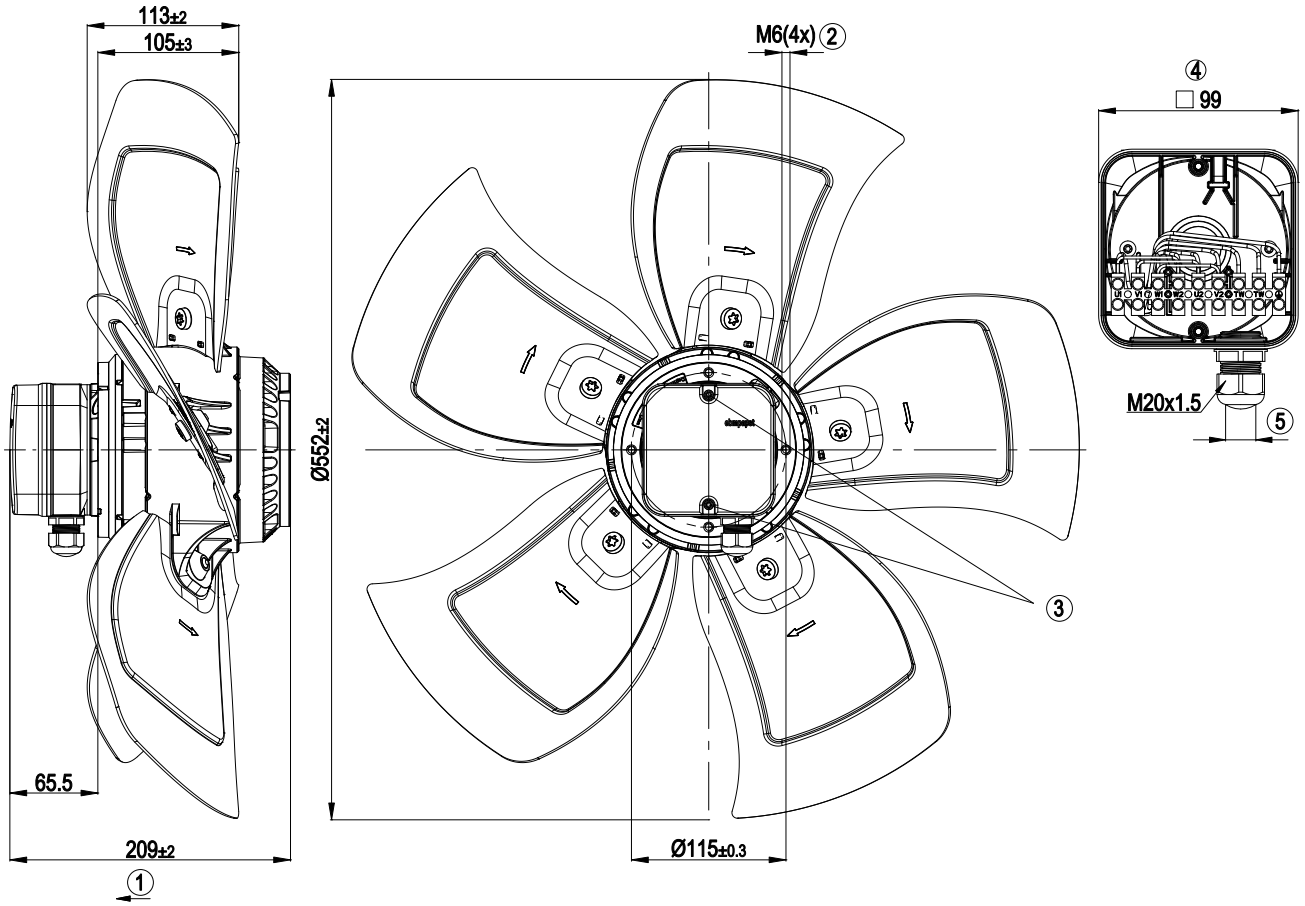
Leackage current	<= 3.5 mA
Size	560 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Electrical leads	Via terminal box
Humidity class	F3-1
Blade angle	-5°
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	11 kg
Material of terminal box	ABS plastic, black
Material of blades	Aluminum sheet
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 60034
Surface of rotor	Cast in aluminium
Number of blades	5
Type of protection	IP 54
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C

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Product drawing



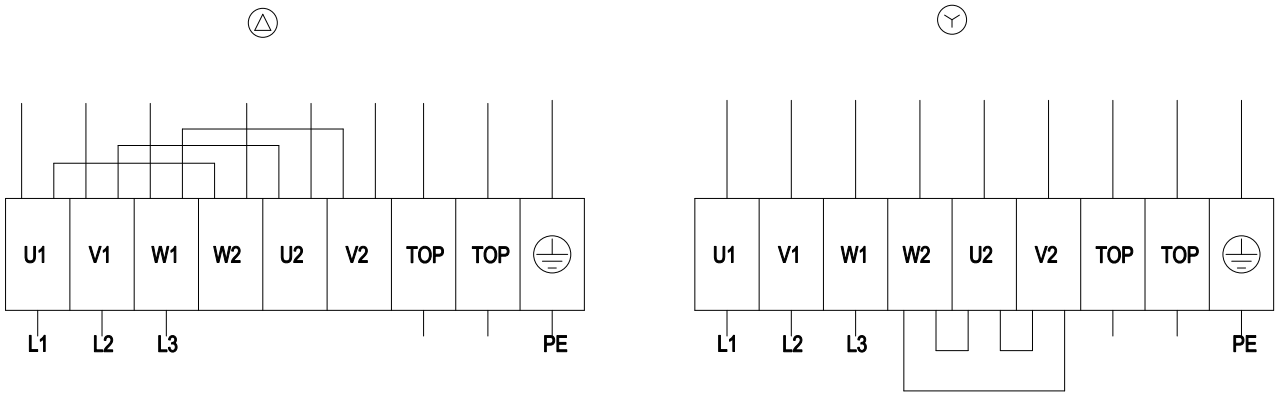
1	Direction of air flow "V"
2	Depth of screw max. 12 mm
3	Tightening torque 0.8±0.15 Nm
4	Illustration without terminal box cover
5	Cable diameter: min. 6 mm, max. 12 mm; tightening torque: 2±0.3 Nm

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Connection screen



Note: Direction of rotation changes when two phases are reversed

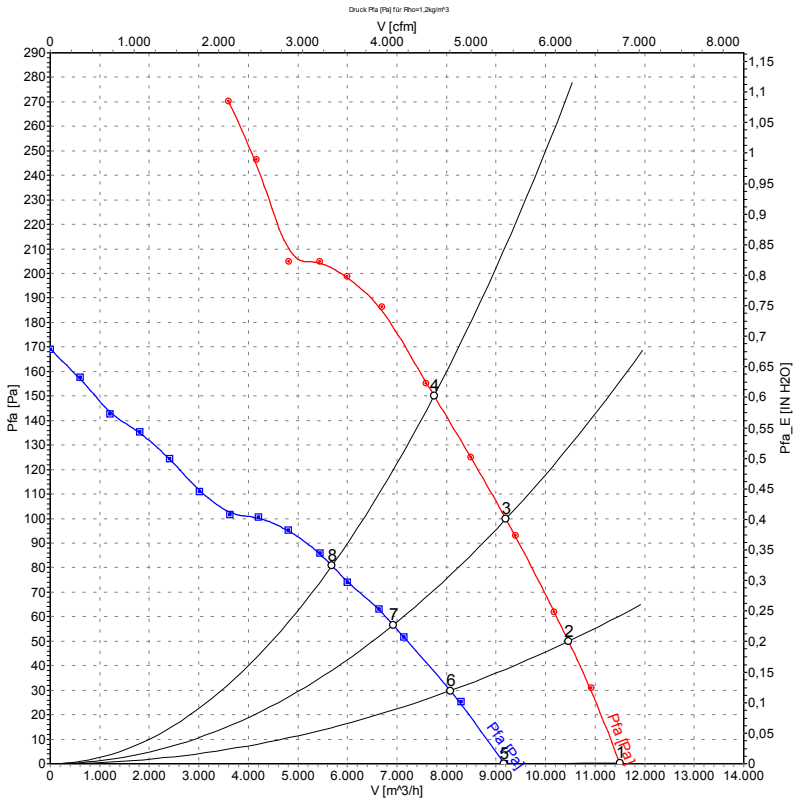
Δ	Delta-connection	Y	Star connection	L1	= U1 = black
L2	= V1 = blue	L3	= W1 = brown	W2	yellow
U2	green	V2	white	TOP	2 x grey
PE	green / yellow				

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Charts: Air flow 50 Hz Δ



Measurement: LU-72505
Measurement: LU-72506

Measured values

	Conn.	U	f	n	P_1	I	$\dot{V}$	p_{fa}
		[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	Δ	400	50	1335	798	1.57	11500	0
2	Δ	400	50	1315	880	1.68	10460	50
3	Δ	400	50	1295	957	1.78	9200	100
4	Δ	400	50	1270	1030	1.90	7750	150
5	Y	400	50	1050	547	0.93	9160	0
6	Y	400	50	1010	578	0.98	8075	30
7	Y	400	50	965	604	1.02	6925	56
8	Y	400	50	925	630	1.06	5685	80

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