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Nominal data

Type	A4D450-BA14-02			
Motor	M4D094-HA			
Phase		3~	3~	3~
Nominal voltage	[V]	400	400	400
Connection		Δ	Y	Δ
Frequency	[Hz]	50	50	60
Type of data definition		ml	ml	ml
Valid for approval / standard		CE	CE	CE
Speed	[min ⁻¹]	1330	1000	1540
Power input	[W]	585	390	660
Current draw	[A]	1.1	0.67	1.16
Max. back pressure	[Pa]	200	110	110
Max. ambient temperature	[°C]	70	70	50
Air flow	[m ³ /h]	6870	5930	7810
Back pressure	[Pa]	0	0	0
Sound pressure level	[dB(A)]	70	66	73

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

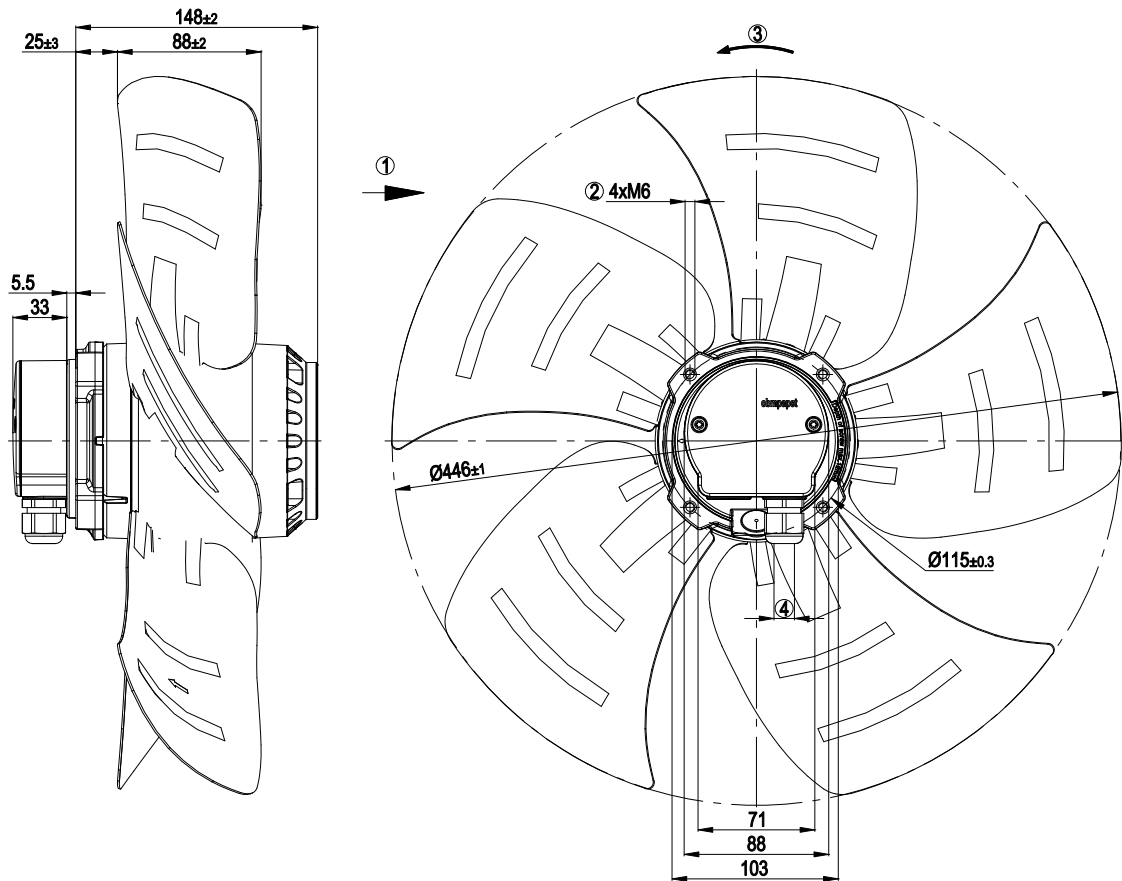
Technical features

Leackage current	<= 3,5 mA
Size	450 mm
Operation mode	S1
Mounting position	Any
Electrical leads	Via terminal box
Direction of air flow	"A"
Insulation class	"F"
Condensate discharge holes	On rotor and stator sides
Bearing-motor	Ball bearing
Mass	7.9 kg
Material of electronics housing	Rotor: Coated in black
Material of terminal box	ABS plastic, black
Material of blades	Sheet steel, coated in black
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 60034-1 (2004)
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 54
Protection class	I
Approval	CCC

AC axial fan

sickled blades (S series)

Product drawing

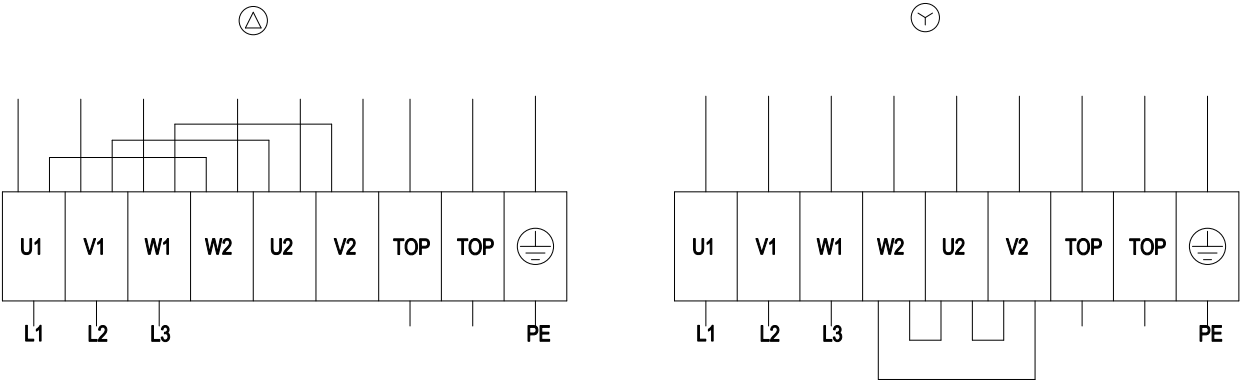


1	Direction of air flow "A"
2	Screw depth max. 12 mm
3	Direction of rotation clockwise, seen on rotor
4	Cable diameter: min. 6 mm, max. 12 mm

AC axial fan

sickled blades (S series)

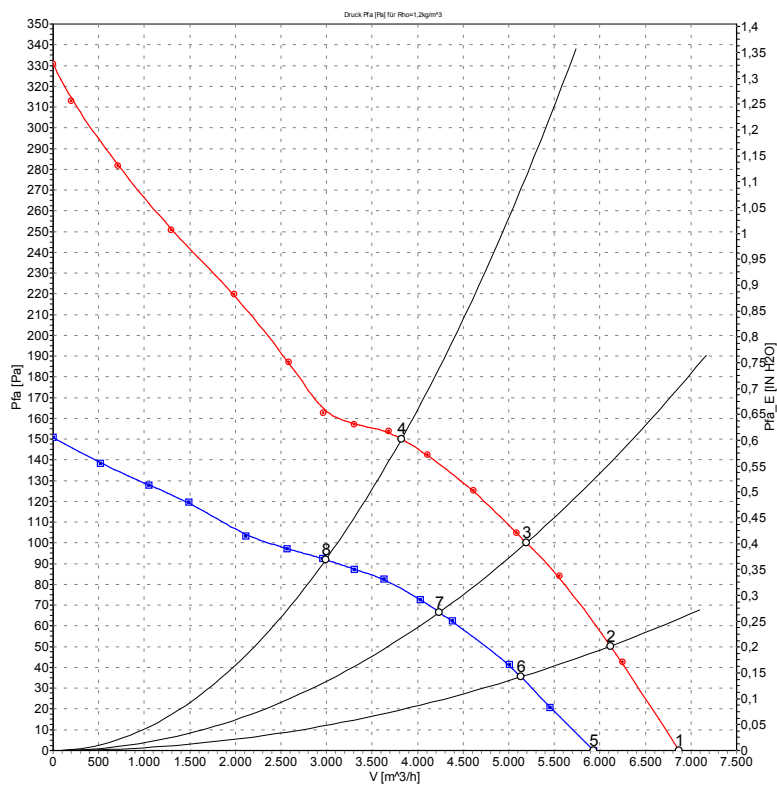
Connection screen



Note: Direction of rotation changes when two phases are reversed

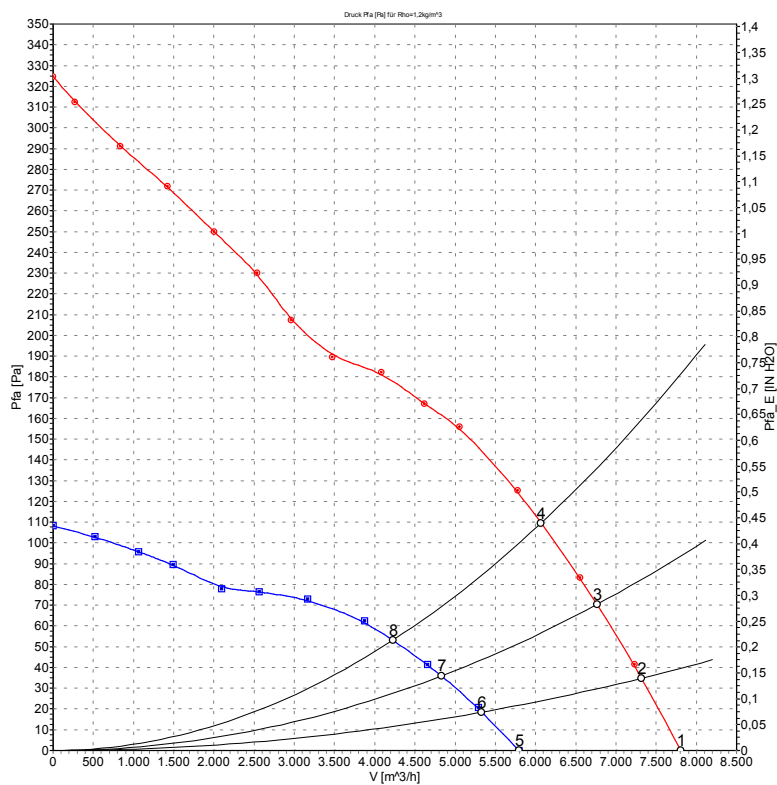
Δ	Delta connection	Y	Star connection	L1	= U1 = black
L2	= V1 = blue	L3	= W1 = brown	W2	yellow
U2	green	V2	white	TOP	2 x grey
PE	green / yellow				

Charts: Air flow 50 Hz



	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	400	50	1410	356	0.85	6870	0
2	400	50	1400	397	0.89	6115	51
3	400	50	1385	437	0.94	5195	100
4	400	50	1370	482	0.99	3825	150
5	400	50	1225	270	0.46	5930	0
6	400	50	1180	300	0.51	5135	36
7	400	50	1135	323	0.55	4235	67
8	400	50	1080	353	0.60	2990	92

Charts: Air flow 60 Hz



	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	400	60	1605	534	0.98	7810	0
2	400	60	1590	571	1.03	7315	36
3	400	60	1570	606	1.08	6765	70
4	400	60	1540	660	1.16	6070	110
5	400	60	1205	360	0.62	5800	0
6	400	60	1155	374	0.65	5330	19
7	400	60	1115	384	0.67	4830	36
8	400	60	1060	400	0.7	4225	55