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Nominal data

Type	A4D250-AI22-01				
Motor	M4D068-CF				
Phase		3~	3~	3~	3~
Nominal voltage	[V]	230	230	400	400
Connection		Δ	Δ	Y	Y
Frequency	[Hz]	50	60	50	60
Type of data definition		rfa	rfa	rfa	rfa
Valid for approval / standard		CE	CE	CE	CE
Speed	[min ⁻¹]	1400	1580	1400	1580
Power input	[W]	25	32	25	32
Current draw	[A]	0.12	0.12	0.07	0.07
Max. back pressure	[Pa]	70	70	70	70
Max. ambient temperature	[°C]	85	80	85	80
Air flow	[m³/h]	1010	1140	1010	1140
Back pressure	[Pa]	0	0	0	0
Sound pressure level	[dB(A)]	54	57	54	57

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

AC axial fan

sickled blades (S series)

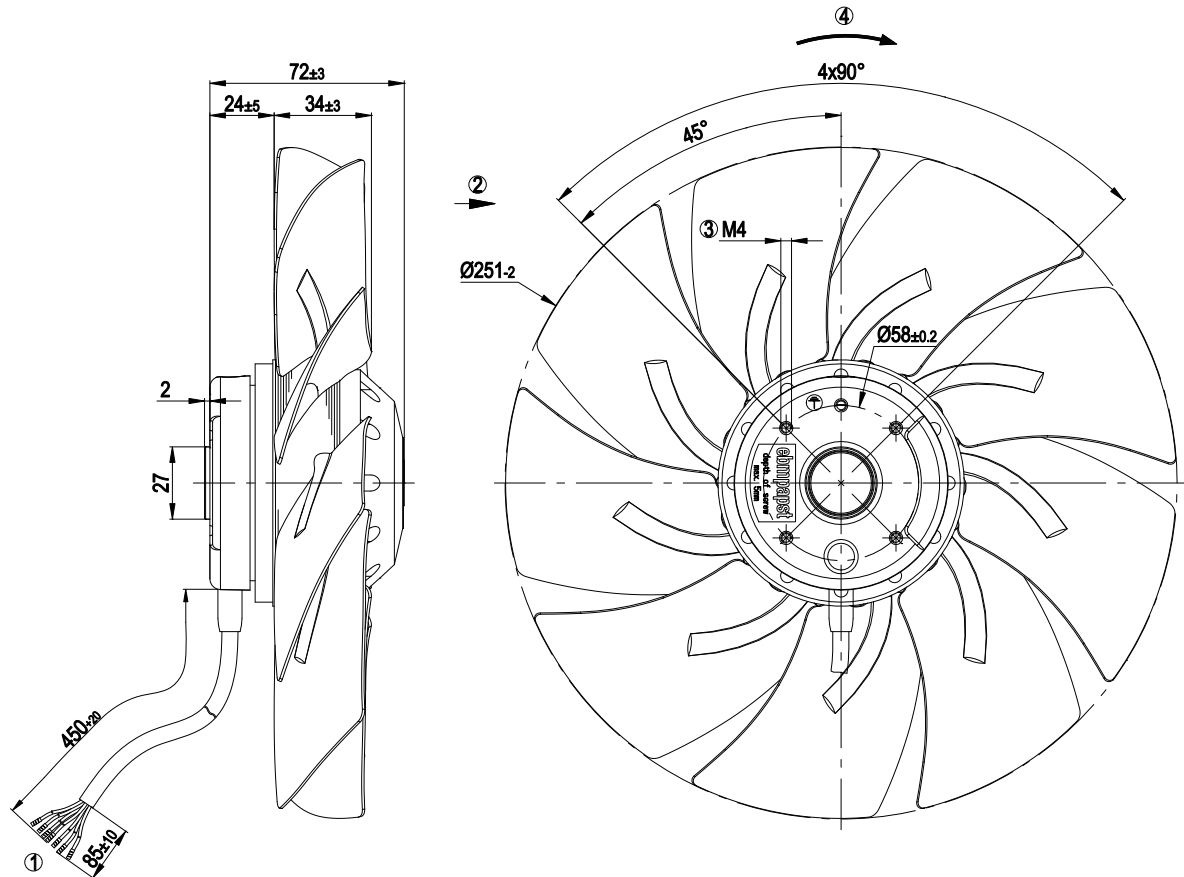
Technical features

Leakage current	< 0,75 mA
Size	250 mm
Operation mode	S1
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Direction of rotation	Counter-clockwise, seen on rotor
Insulation class	"B"
Cable exit	Lateral
Condensate discharge holes	Rotor-side
Bearing-motor	Ball bearing
Mass	1.77 kg
Material of blades	Sheet steel, coated in black
Product conforming to standard	EN 60335-1
Surface of rotor	Coated in black
Number of blades	9
Type of protection	IP 44
Protection class	I
Approval	GOST

AC axial fan

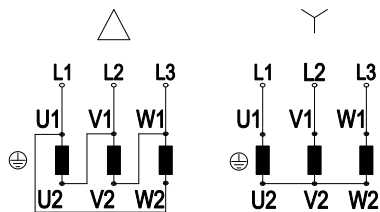
sickled blades (S series)

Product drawing



- | | |
|---|--|
| 1 | Connection line PVC, 7x brass lead tips crimped |
| 2 | Direction of air flow "A" |
| 3 | Screw depth max. 5 mm |
| 4 | Direction of rotation counter-clockwise, seen on rotor |

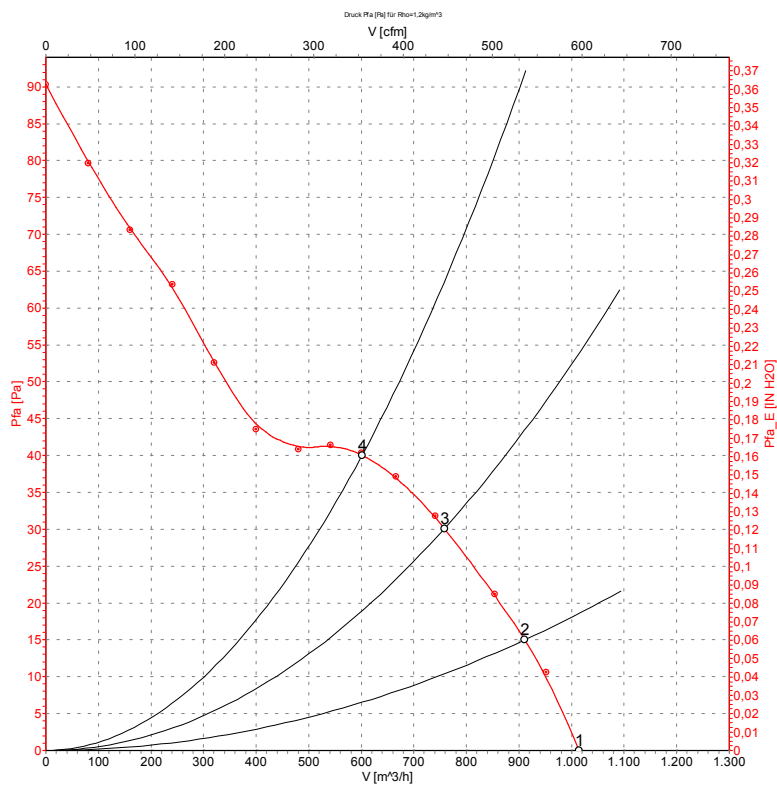
Connection screen



Note: Direction of rotation changes when two phases are reversed

Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow		

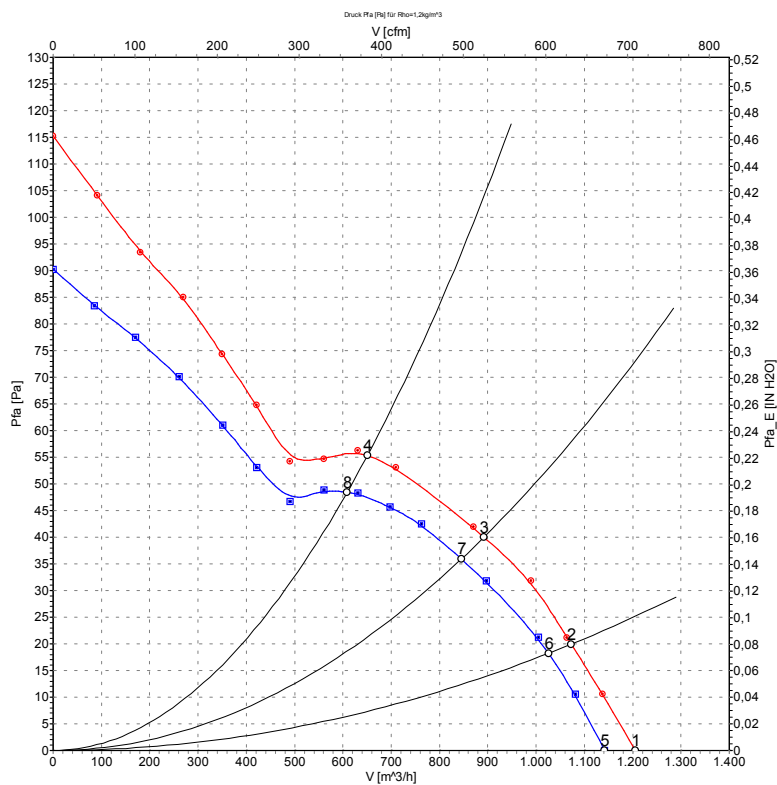
Charts: Air flow 50 Hz



Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	400	50	1400	25	0.07	1015	0
2	400	50	1380	27	0.07	910	15
3	400	50	1365	29	0.07	760	30
4	400	50	1355	30	0.07	600	40

Charts: Air flow 60 Hz



Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m ³ /h]	[Pa]
1	480	60	1650	35	0.07	1205	0
2	480	60	1625	40	0.07	1075	20
3	480	60	1600	44	0.08	890	40
4	480	60	1585	46	0.08	650	56
5	400	60	1580	32	0.07	1140	0
6	400	60	1550	35	0.07	1025	18
7	400	60	1510	38	0.07	845	36
8	400	60	1490	40	0.08	610	48