A1G300-AF25-09

Solaro Energy

EC axial fan

sickle-shaped blades (S series)

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Nominal data

Type	**A1G300-AF25-09**	
Motor	**M1G055-BI**	
Nominal voltage	VDC	17
Nominal voltage range	VDC	12 .. 22
Method of obtaining data		fa
Speed (rpm)	min^{-1}	1150
Power consumption	W	13.5
Current draw	A	0.86
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	50

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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Technical description

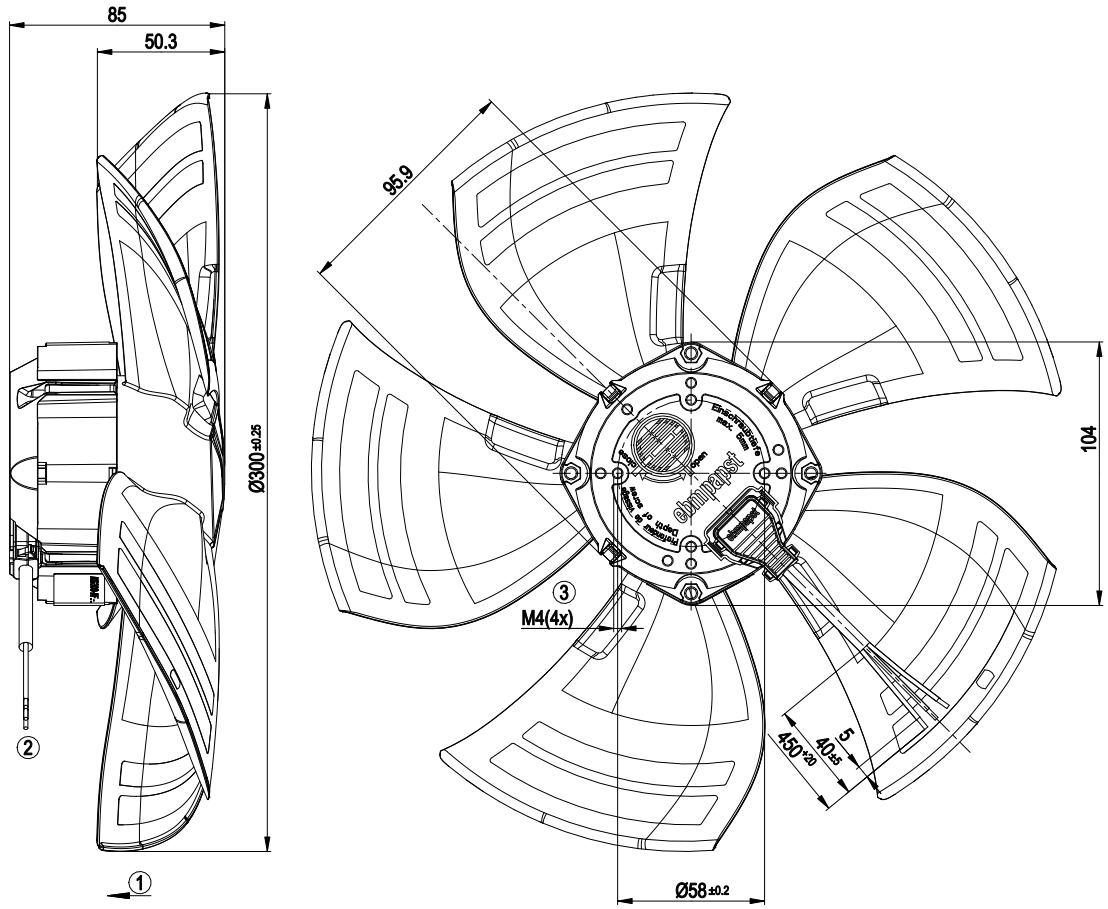
Weight	1.2 kg
Fan size	300 mm
Rotor surface	Cast in PA plastic
Blade material	PA plastic
Number of blades	5
Airflow direction	"V"
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP54; installation- and position-dependent
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Technical features	- Speed selection max./min.
EMC immunity to interference	According to EN 61000-6-2 (industrial environment)
EMC circuit feedback	According to EN 61000-3-2/3
EMC interference emission	According to EN 61000-6-3 (household environment)
With cable	Lateral

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Product drawing



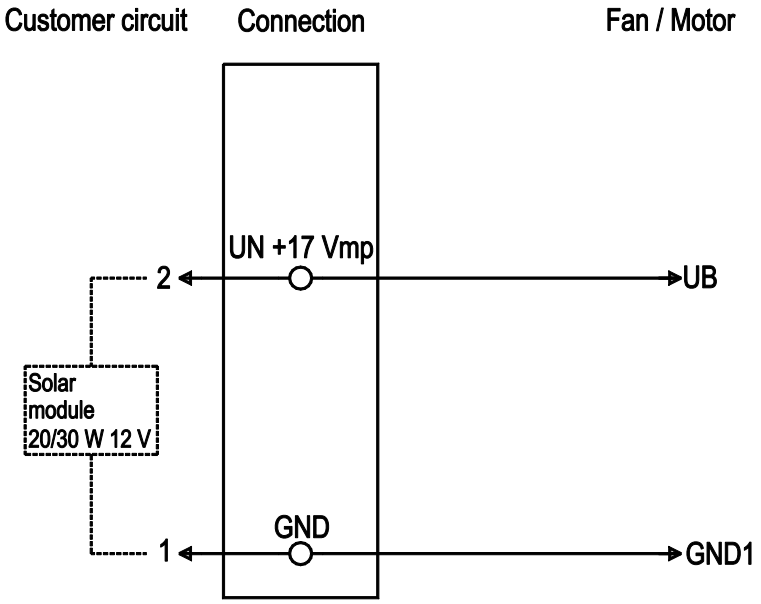
1	Direction of air flow "V"
2	Cable AWG20, 2x crimped splices
3	Max. clearance for screw 5 mm

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Connection diagram



No.	Conn.	Designation	Color	Function/assignment
	1	GND	blue	Reference ground
	2	Un +17Vmp	red	Power supply 17 Vmp, Voc 22 V

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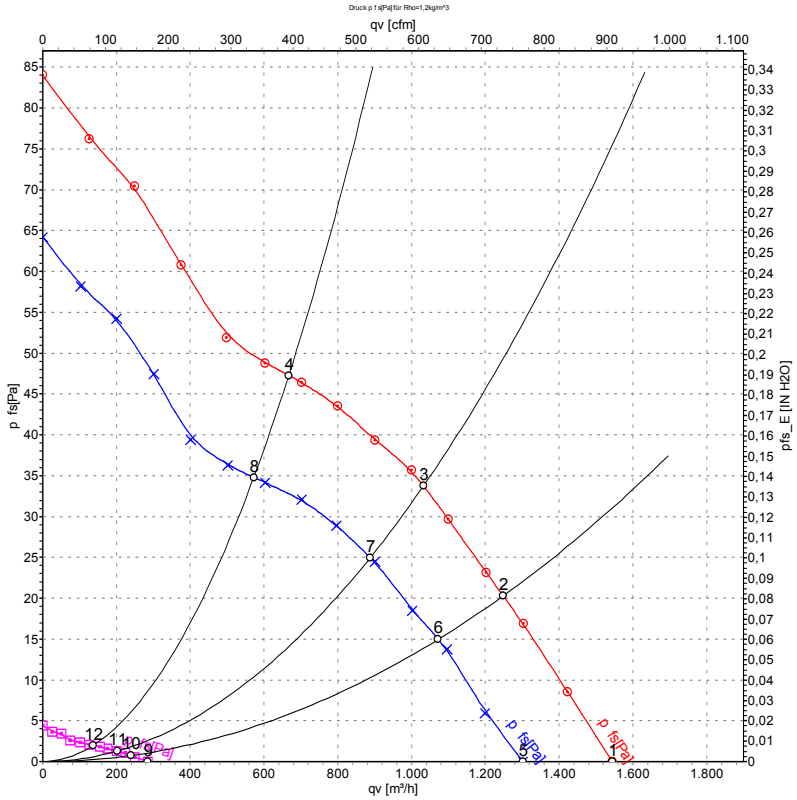
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Curves: Air performance



Measurement: LU-136333-1
Measurement: LU-136331-1
Measurement: LU-136337-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	n	P_{ed}	I	q_V	p_{fs}	q_V	p_{fs}
	V	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	22	1360	23	1.16	1545	0	910	0.00
2	22	1270	26	1.33	1250	20	735	0.08
3	22	1225	27	1.40	1030	34	605	0.14
4	22	1170	29	1.50	665	47	395	0.19
5	17	1150	14	0.86	1300	0	765	0.00
6	17	1085	16	1.01	1070	15	630	0.06
7	17	1055	17	1.08	890	25	525	0.10
8	17	1015	18	1.16	570	35	335	0.14
9	12	255	0.60	0.06	285	0	165	0.00
10	12	250	0.58	0.06	240	1	140	0.00
11	12	245	0.60	0.06	200	1	120	0.00
12	12	240	0.67	0.06	135	2	80	0.01

U = Power supply · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

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