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Nominal data

Type	S1G300-FO01-01		
Motor	M1G055-DF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Nominal voltage range	VAC	200 .. 240	200 .. 240
Frequency	Hz	50/60	50/60
Method of obtaining data		ml	
Speed (rpm)	min ⁻¹	1400	1100
Power consumption	W	62	
Current draw	A	0.55	
Max. back pressure	Pa	55	
Max. back pressure	in. wg	0.22	
Min. ambient temperature	°C	-40	-40
Max. ambient temperature	°C	40	40

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



EC axial fan

sickle-shaped blades (S series)

ESM guard grille

Technical description

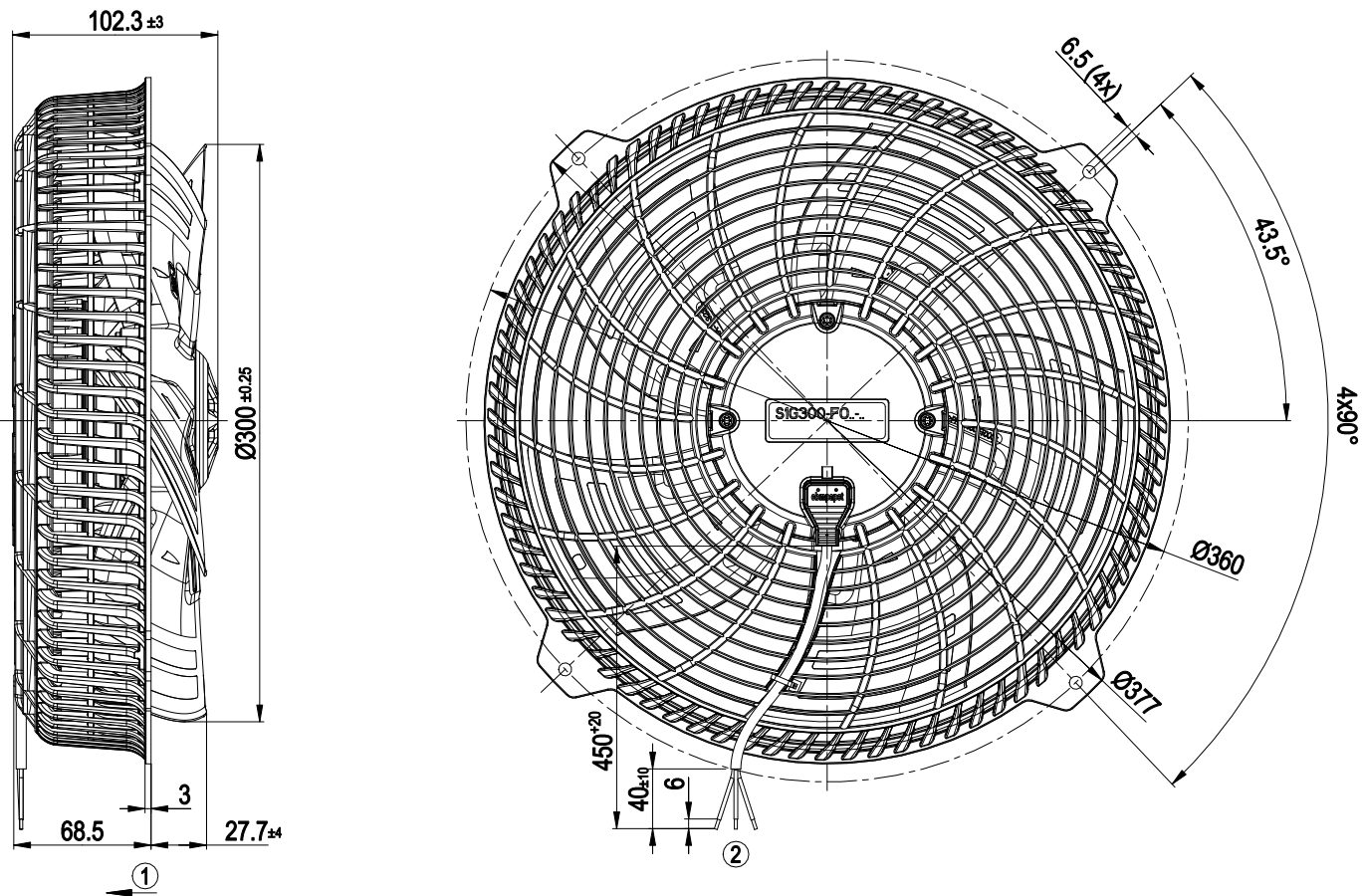
Weight	1.6 kg
Size	300 mm
Motor size	55
Rotor surface	Thick-film passivated
Blade material	Press-fitted sheet steel blank, sprayed with PP plastic
Guard grille material	PP plastic
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP54
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1+
Max. permitted ambient temp. for motor (transport/storage)	+ 70 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None, open rotor
Mode	S1
Motor bearing	Ball bearing with low-temperature lubricant
Technical features	- Speed selection max./min. - Power limiter - Motor current limitation - Soft start - Thermal overload protection for motor
Speed levels	2
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)
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Lateral
Protection class	II
Conformity with standards	CE
Approval	EAC



EC axial fan

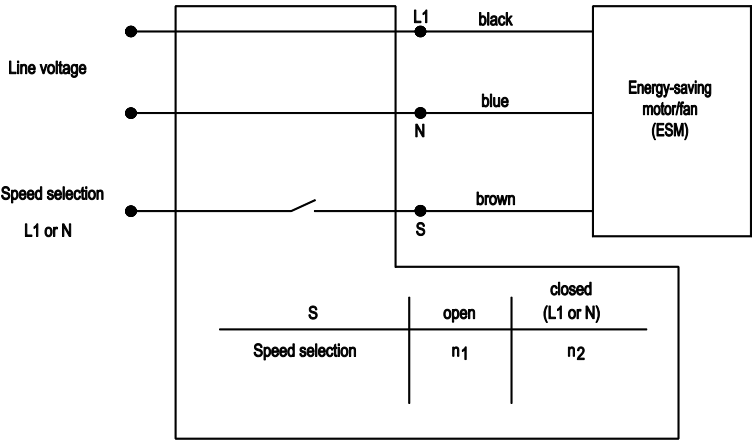
sickle-shaped blades (S series)
ESM guard grille

Product drawing

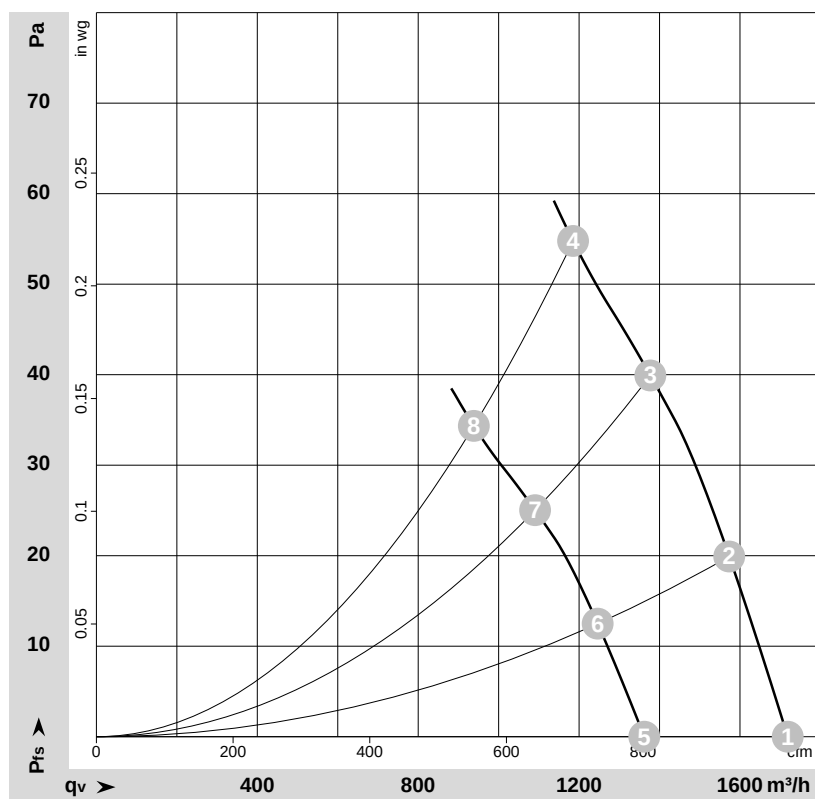


- 1 Direction of air flow "V"
- 2 Cable PVC AWG20, 3x crimped splices

Connection diagram



Curves: Air performance 50 Hz



$$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$$

Measurement: LU-177751-1

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

	Stage	U	f	n	P_{ed}	I	LpA_{in}	LwA_{in}	q_v	P_{fs}	q_v	P_{fs}
		V	Hz	min^{-1}	W	A	dB(A)	dB(A)	m^3/h	Pa	cfm	in. wg
1	2	230	50	1400	46	0.42	56	63	1720	0	1010	0.00
2	2	230	50	1400	51	0.46	56	63	1575	20	925	0.08
3	2	230	50	1400	57	0.50	56	63	1375	40	810	0.16
4	2	230	50	1400	62	0.55	56	64	1185	55	695	0.22
5	2	230	50	1100	23	0.21	50	57	1360	0	800	0.00
6	2	230	50	1100	25	0.23	50	57	1245	13	735	0.05
7	2	230	50	1100	28	0.25	50	57	1090	25	640	0.10
8	2	230	50	1100	31	0.27	50	58	940	34	550	0.14

U = Voltage · f = Frequency · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
 q_v = Air flow · P_{fs} = Pressure increase

