

W1G230-EB97-01

EC axial fan - ESM

sickled blades (S series)

ESM wall ring



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Nominal data

Type	W1G230-EB97-01	
Motor	M1G055-BD	
Phase		1~
Nominal voltage	VAC	115
Frequency	Hz	50/60
Type of data definition		ml
Speed	min ⁻¹	1500
Power input	W	23
Current draw	A	0.35
Max. back pressure	Pa	36
Min. ambient temperature	°C	-30
Max. ambient temperature	°C	50

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



Technical features

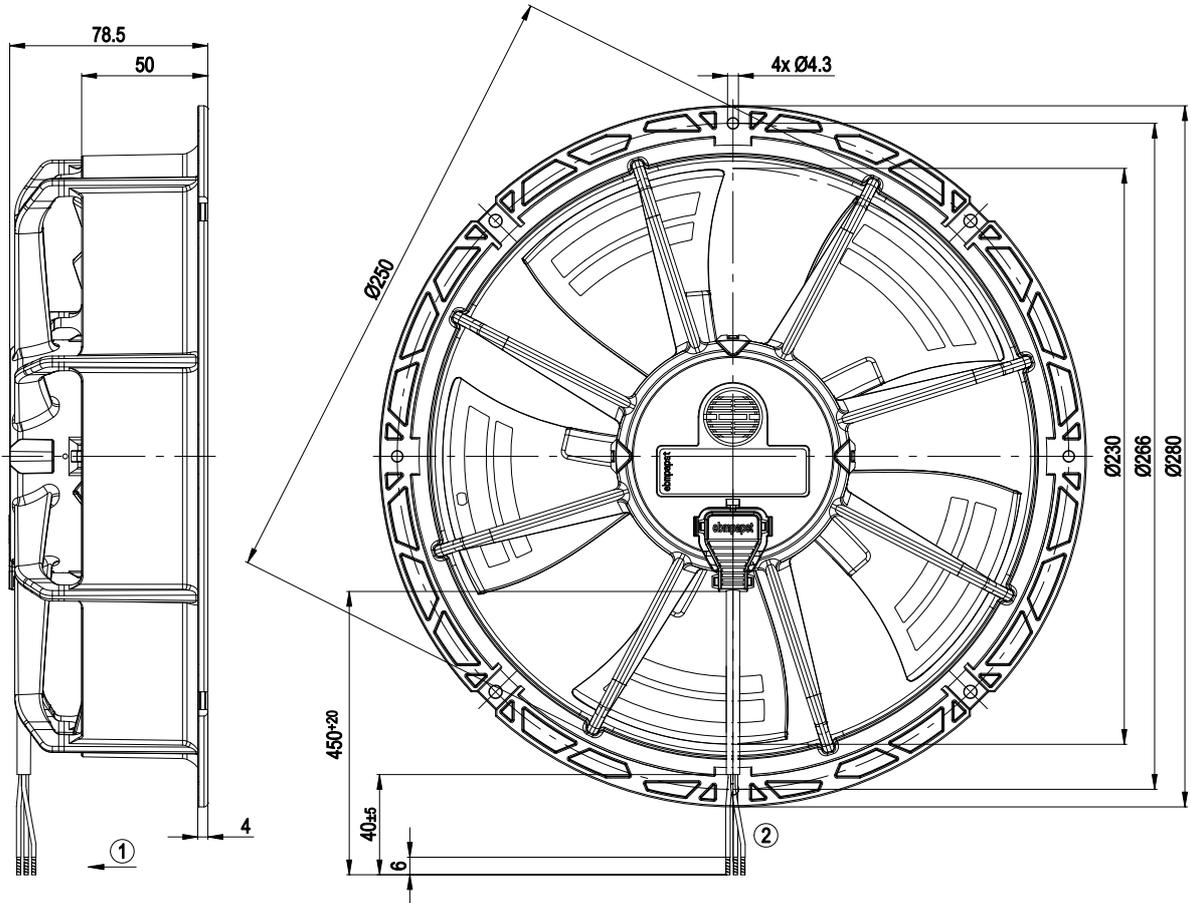
Mass	1.05 kg
Size	230 mm
Material of impeller	PA plastic 6, fibreglass-reinforced
Material of wall ring	Plastic, PPTD 20
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"B"
Humidity class	F3-1
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Over-temperature protected motor - Soft start - Speed selection max/min
Speed steps	2
EMC interference immunity	Acc. to EN 61000-6-2
EMC interference emission	Acc. to EN 61000-6-3
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Product conforming to standard	CE
Approval	CSA C22.2 Nr.77; EAC; UL 2111; VDE

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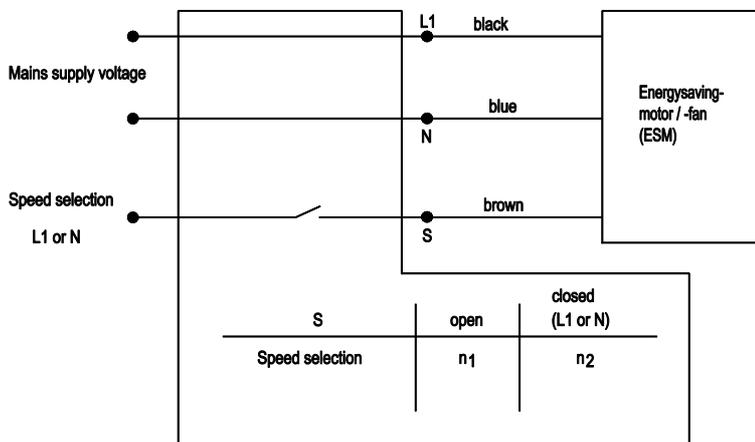
ESM wall ring

Product drawing

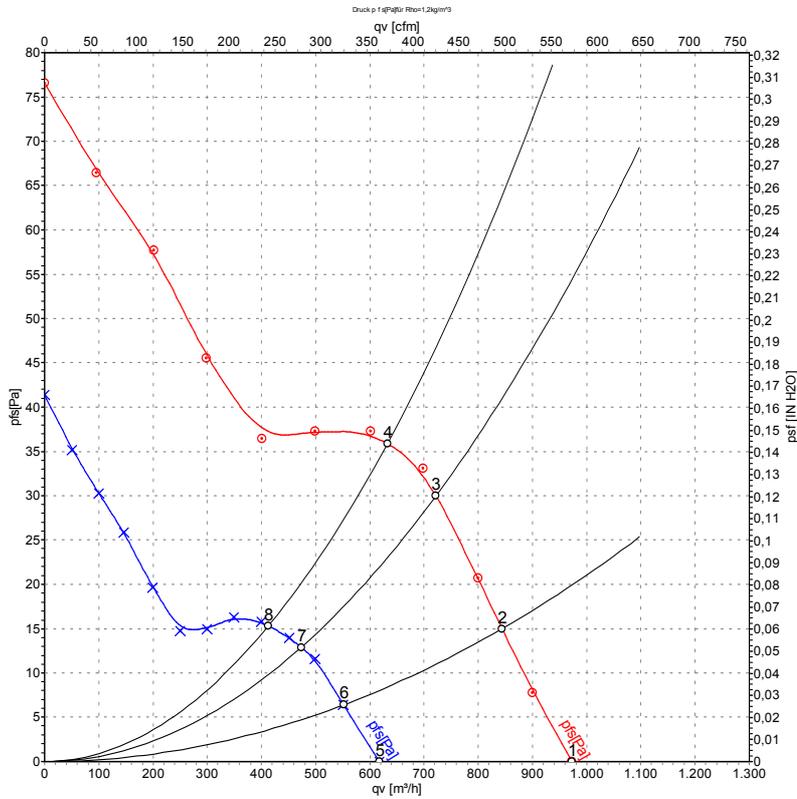


- 1 Direction of air flow "V"
- 2 Connection line AWG20; 3 x brass lead tips crimped

Connection screen



Charts: Air flow 50 Hz



Measurement: LU-115149
Measurement: LU-115153

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{WA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	f	n	P _{ed}	I	qv	P _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	115	50	1500	23	0.35	975	0
2	115	50	1500	23	0.35	845	15
3	115	50	1500	23	0.35	720	30
4	115	50	1500	23	0.35	630	36
5	115	50	1000	9.1	0.15	615	0
6	115	50	1000	10	0.16	550	6
7	115	50	1000	10	0.16	475	13
8	115	50	1000	10	0.16	415	15

U = Supply voltage · f = Frequency · n = Speed · P_{ed} = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

