

W1G300-BB19-01

## EC axial fan - ESM

sickled blades (S series)

ESM wall ring with guard grille



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### Nominal data

Type	W1G300-BB19-01	
Motor	M1G055-BI	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min <sup>-1</sup>	1300
Power input	W	35
Current draw	A	0.27
Max. back pressure	Pa	35
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

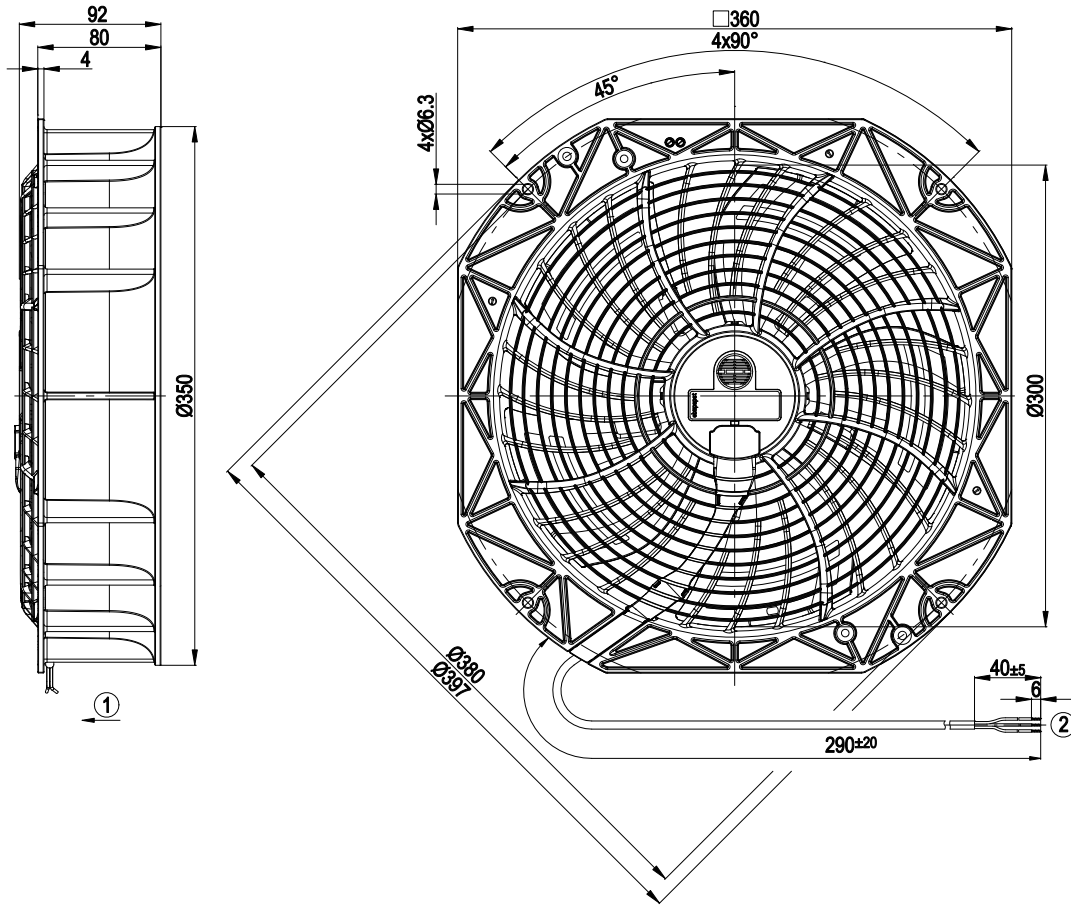
<b>Mass</b>	1.75 kg
<b>Size</b>	300 mm
<b>Material of impeller</b>	PA plastic 6, fibreglass-reinforced
<b>Material of wall ring</b>	Plastic, PPTD 20
<b>Number of blades</b>	5
<b>Direction of air flow</b>	"V"
<b>Direction of rotation</b>	Counter-clockwise, seen on rotor
<b>Type of protection</b>	IP 54
<b>Insulation class</b>	"B"
<b>Humidity class</b>	F3-1
<b>Max. permissible ambient motor temp. (transp./ storage)</b>	+ 80 °C
<b>Min. permissible ambient motor temp. (transp./storage)</b>	- 40 °C
<b>Mounting position</b>	Any
<b>Condensate discharge holes</b>	None
<b>Operation mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Technical features</b>	- Over-temperature protected motor - Soft start - Speed selection max/min
<b>Speed steps</b>	2
<b>EMC interference immunity</b>	Acc. to EN 61000-6-2 (industrial environment)
<b>EMC interference emission</b>	Acc. to EN 61000-6-3 (household environment)
<b>EMC harmonics</b>	Acc. to EN 61000-3-2/3
<b>Motor protection</b>	Thermal overload protector (TOP) wired internally
<b>Cable exit</b>	Lateral
<b>Protection class</b>	II
<b>Product conforming to standard</b>	EN 60335-1; CE
<b>Approval</b>	GOST; CCC; CSA C22.2 Nr.113; VDE; UL 507

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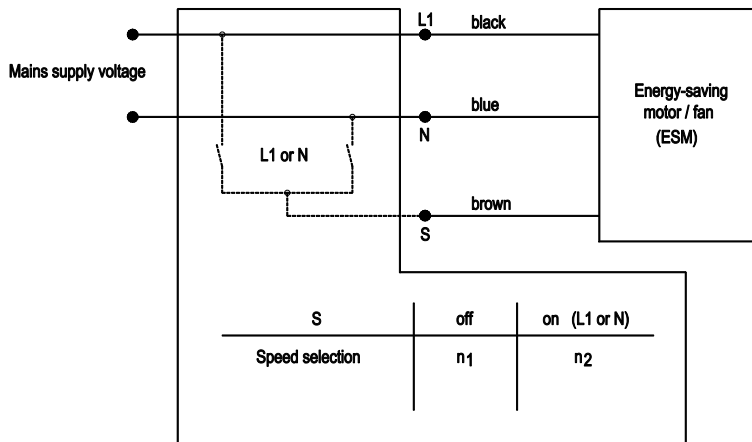
ESM wall ring with guard grille

## Product drawing

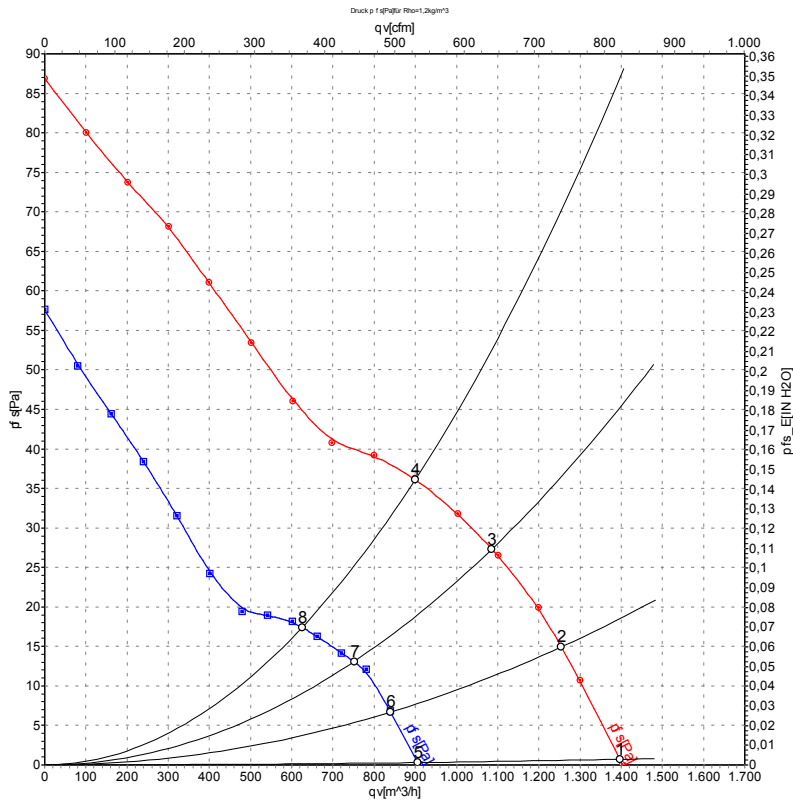


- 1 Direction of air flow "V"
- 2 Connection line AWG20; 3 x brass lead tips crimped

## Connection screen



## Charts: Air flow 50 Hz



Measurement: LU-110298  
Measurement: LU-110308

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: LwA measured as per ISO 13347 / LpA 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	$LpA_{in}$	$LwA_{in}$	$h_{eds}$	$q_v$	$p_{fs}$
	V	Hz	$min^{-1}$	W	A	dB(A)	dB(A)	%	$m^3/h$	Pa
1	230	50	1300	32	0.25	52	58	24	1395	0
2	230	50	1300	34	0.27	52	58	31	1255	15
3	230	50	1300	34	0.27	51	57	33	1085	28
4	230	50	1300	35	0.27	52	58	30	900	35
5	230	50	900	13	0.12	43	50	17	905	0
6	230	50	900	14	0.13	42	49	23	840	7
7	230	50	900	15	0.14	42	49	26	750	13
8	230	50	900	16	0.15	43	50	23	625	17

