

EC axial fan

sickled blades (S series)

Wall ring with guard grille

W1G300-CB19-01 ebmpapst Datasheet

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Nominal data

Type	W1G300-CB19-01	
Motor	M1G055-BI	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min ⁻¹	1200
Power input	W	30
Current draw	A	0.24
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	60

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



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Technical features

Mass	1.9 kg
Size	300 mm
Surface of rotor	Uncoated
Material of impeller	Plastic PA6, fibreglass-reinforced
Material of wall ring	Plastic, PP-TD40
Number of blades	5
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)	+ 85 °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	- Speed selection max/min - Over-temperature protected motor
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
EMC harmonics	Acc. to EN 61000-3-2/3
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Product conforming to standard	EN 60335-1; CE

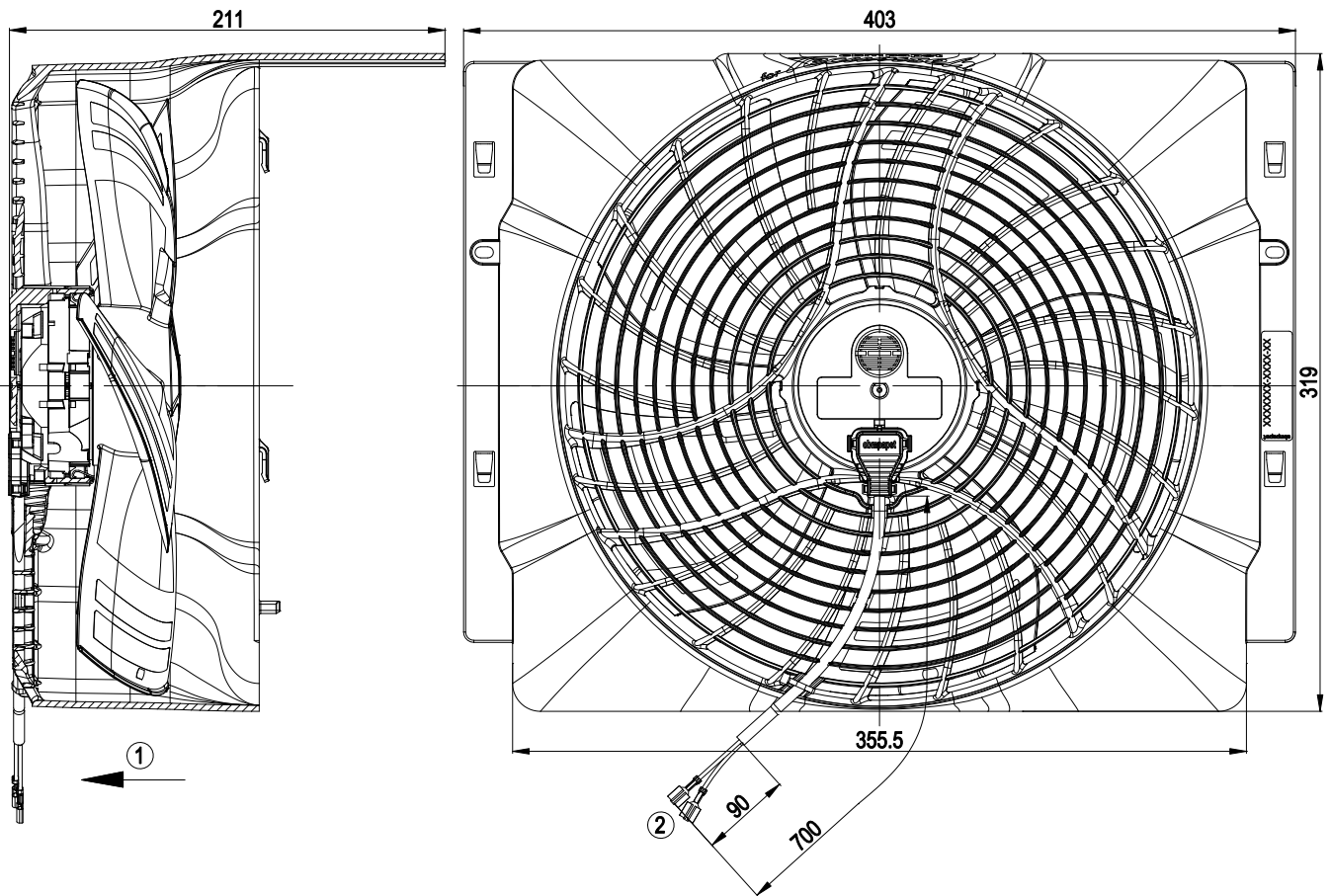


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Product drawing



- | | |
|---|--|
| 1 | Direction of air flow "V" |
| 2 | Connection line AWG20, 2 x receptacles for tabs 6.3x0.8 mm crimped |

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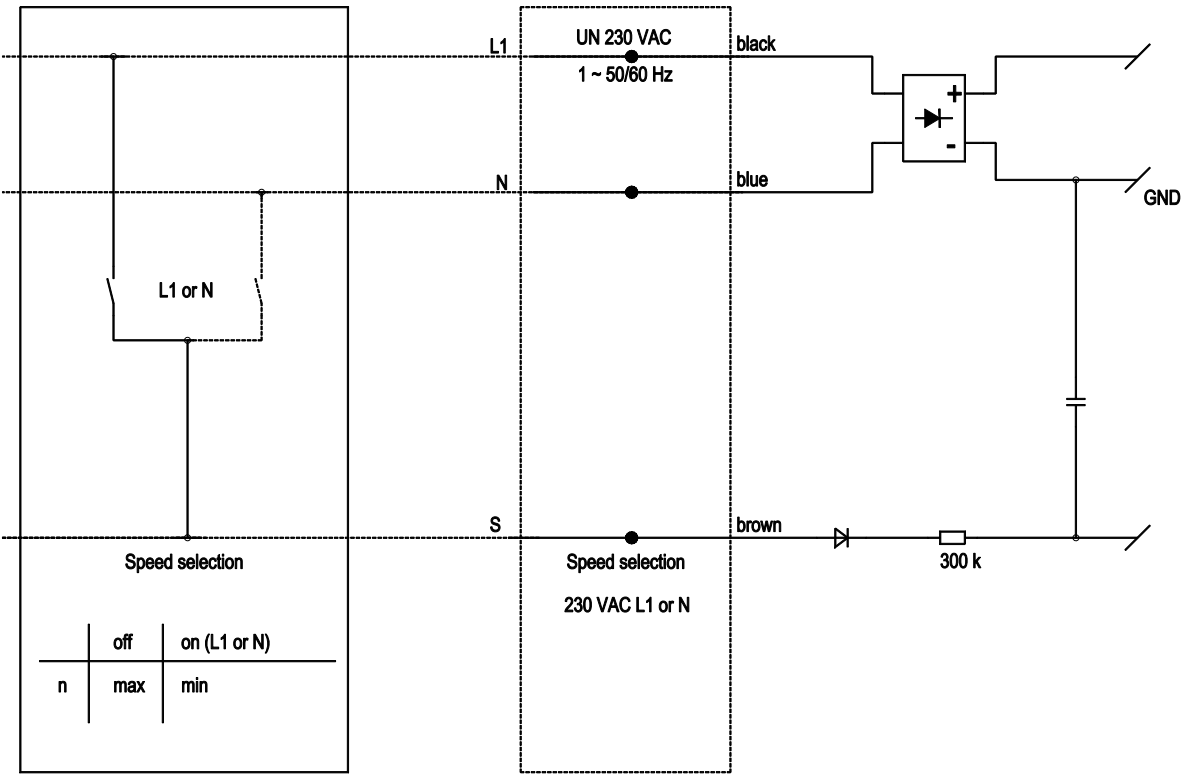
Connection screen

Customer circuit

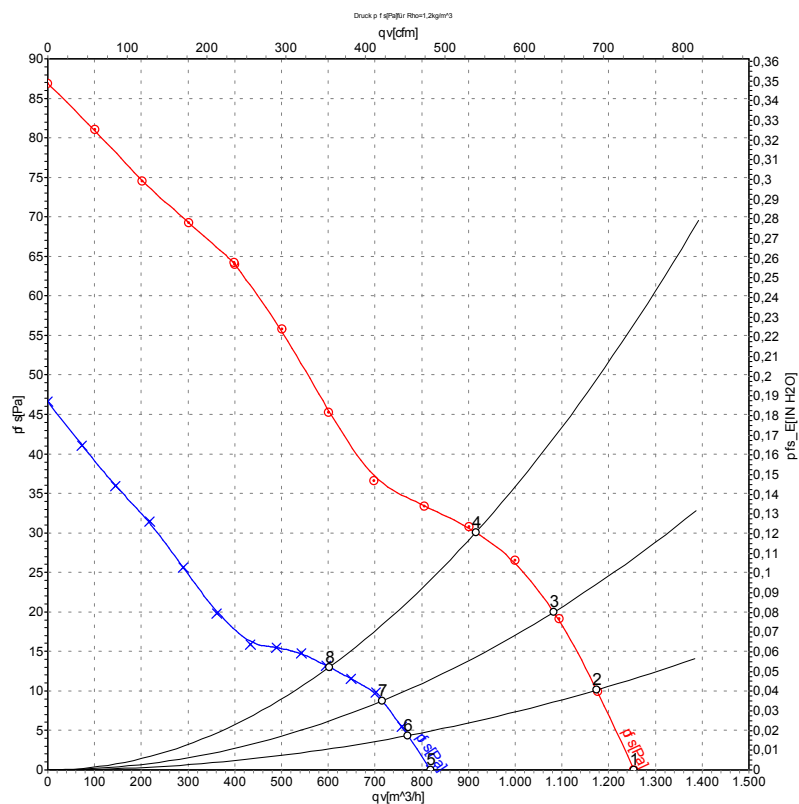
Connection

Fan / motor

Notes on 2 different speed settings and their applications



Charts: Air flow 50 Hz



Measurement: LU-111487

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	qv	P _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	1200	24	0.19	1255	0
2	230	50	1200	27	0.22	1175	10
3	230	50	1200	30	0.23	1080	20
4	230	50	1200	30	0.24	915	30
5	230	50	800	9.2	0.09	820	0
6	230	50	800	9.9	0.09	770	4
7	230	50	800	11	0.10	715	9
8	230	50	800	11	0.11	600	13