

W2G107-AD03-47 ebmpapst Datasheet
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Nominal data

Type	W2G107-AD03-47	
Motor	M2G045-BA	
Nominal voltage	VDC	24
Nominal voltage range	VDC	18 .. 30
Type of data definition		fa
Speed	min ⁻¹	2800
Power input	W	3.5
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	72

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

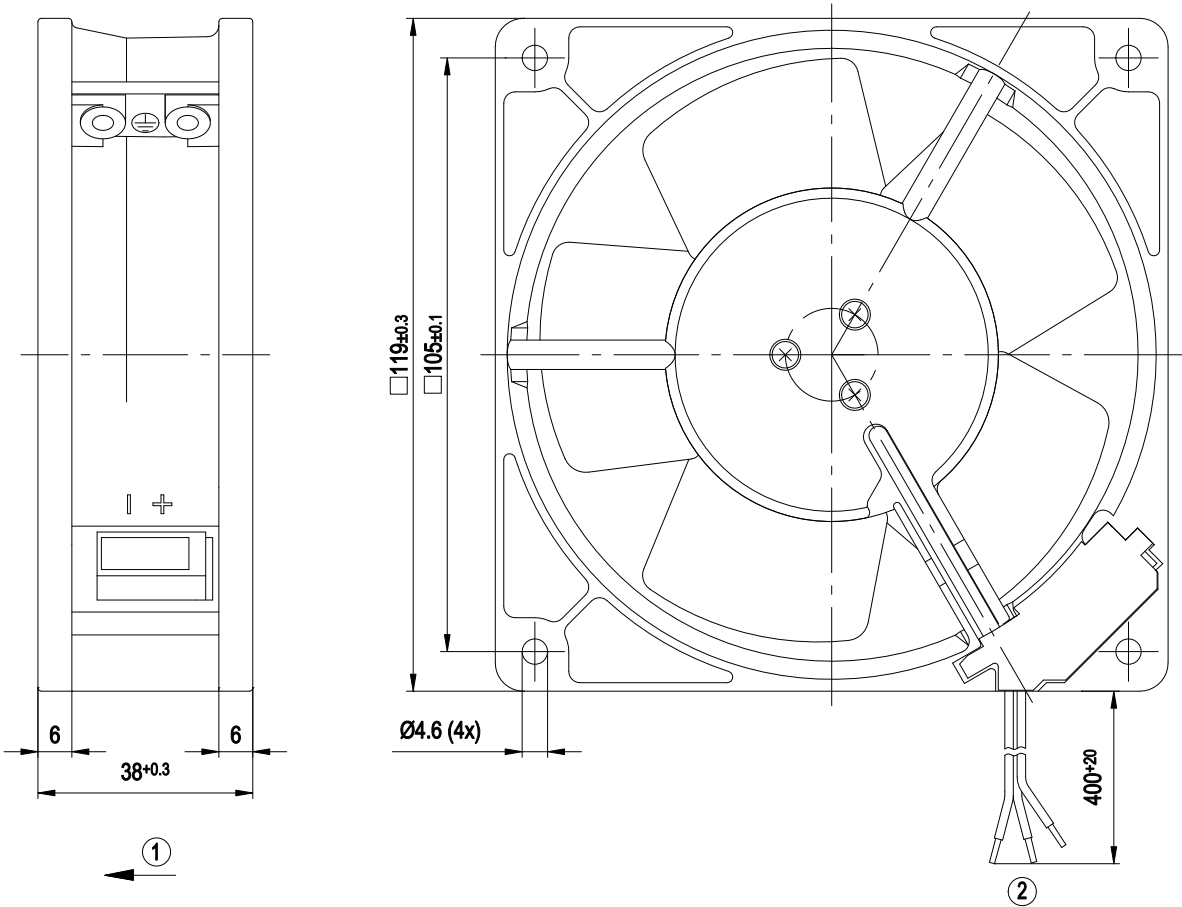


Technical features

Mass	0.5 kg
Size	107 mm
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22
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	- Tach output
Motor protection	Reverse polarity and locked-rotor protection
Product conforming to standard	EN 60335-1
Approval	CSA C22.2 Nr.113; EAC; UL 507



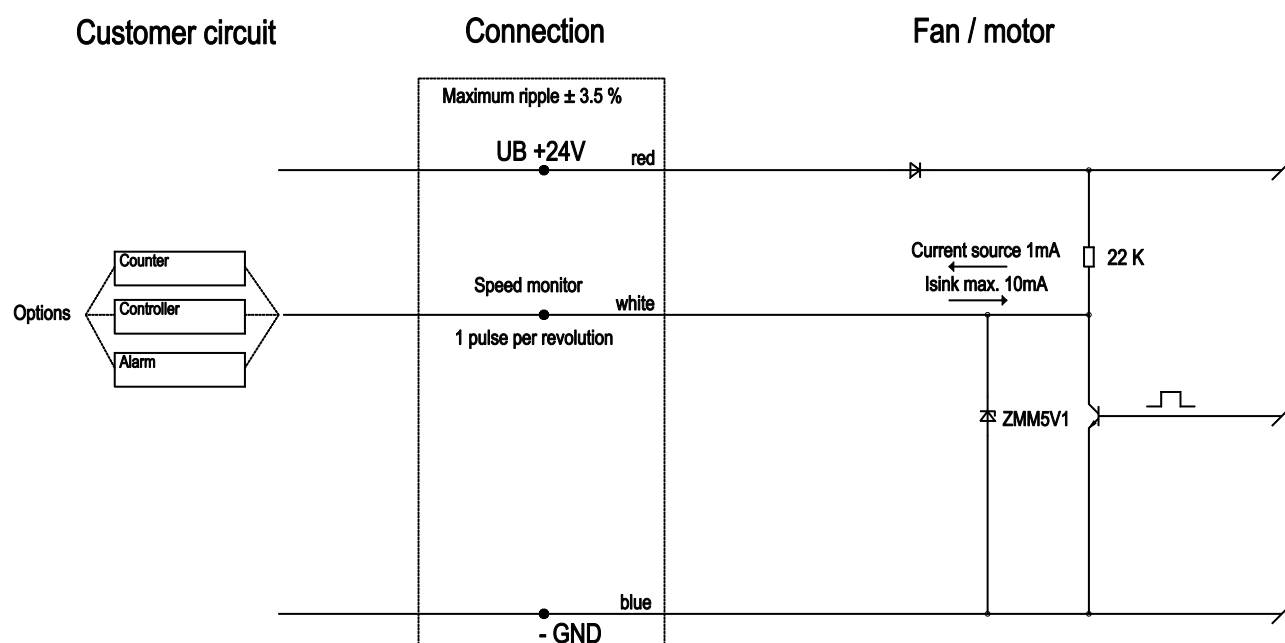
Product drawing



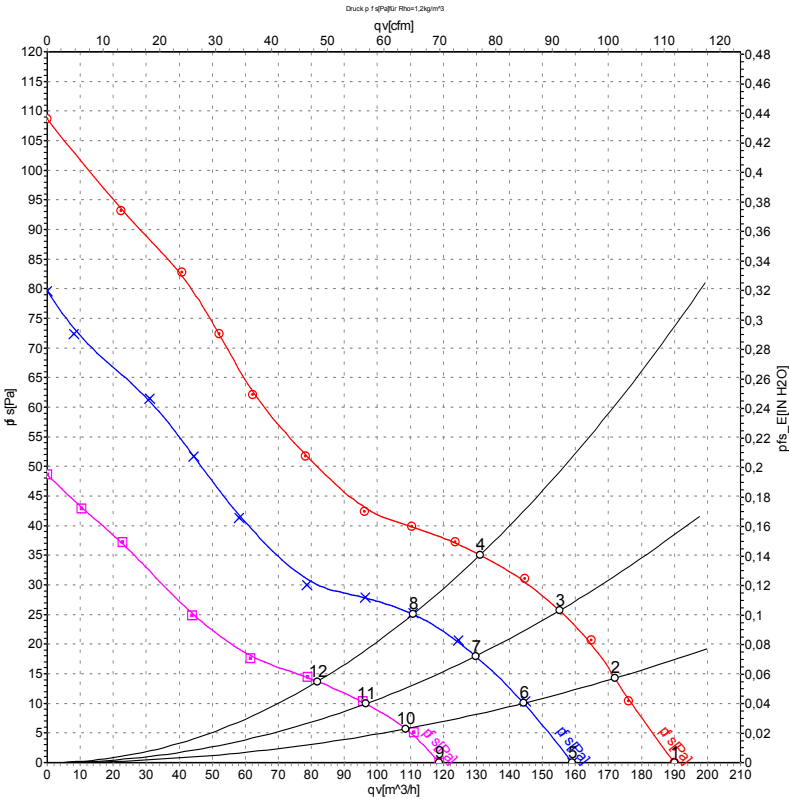
1	Direction of air flow "V"
2	Connection line PVC 2x AWG22, 1x AWG26; tin-plated lead tips



Connection screen



Charts: Air flow



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	n	P _{ed}	I	qv	p _{fs}
	V	min ⁻¹	W	A	m ³ /h	Pa
1	30	3425	6.8	0.24	190	0
2	30	3335	7.1	0.25	170	14
3	30	3270	7.4	0.26	155	26
4	30	3215	7.6	0.27	130	35
5	24	2860	4.2	0.18	160	0
6	24	2810	4.4	0.19	145	10
7	24	2755	4.5	0.20	130	18
8	24	2705	4.7	0.20	110	25
9	18	2205	2.16	0.12	120	0
10	18	2165	2.26	0.13	110	6
11	18	2125	2.35	0.13	95	10
12	18	2120	2.35	0.13	80	14

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

