W2G107-AD03-02

EC axial compact fan

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County court Stuttgart · HRB 590142

Nominal data

Type	**W2G107-AD03-02**	
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	3.3
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

EC axial compact fan

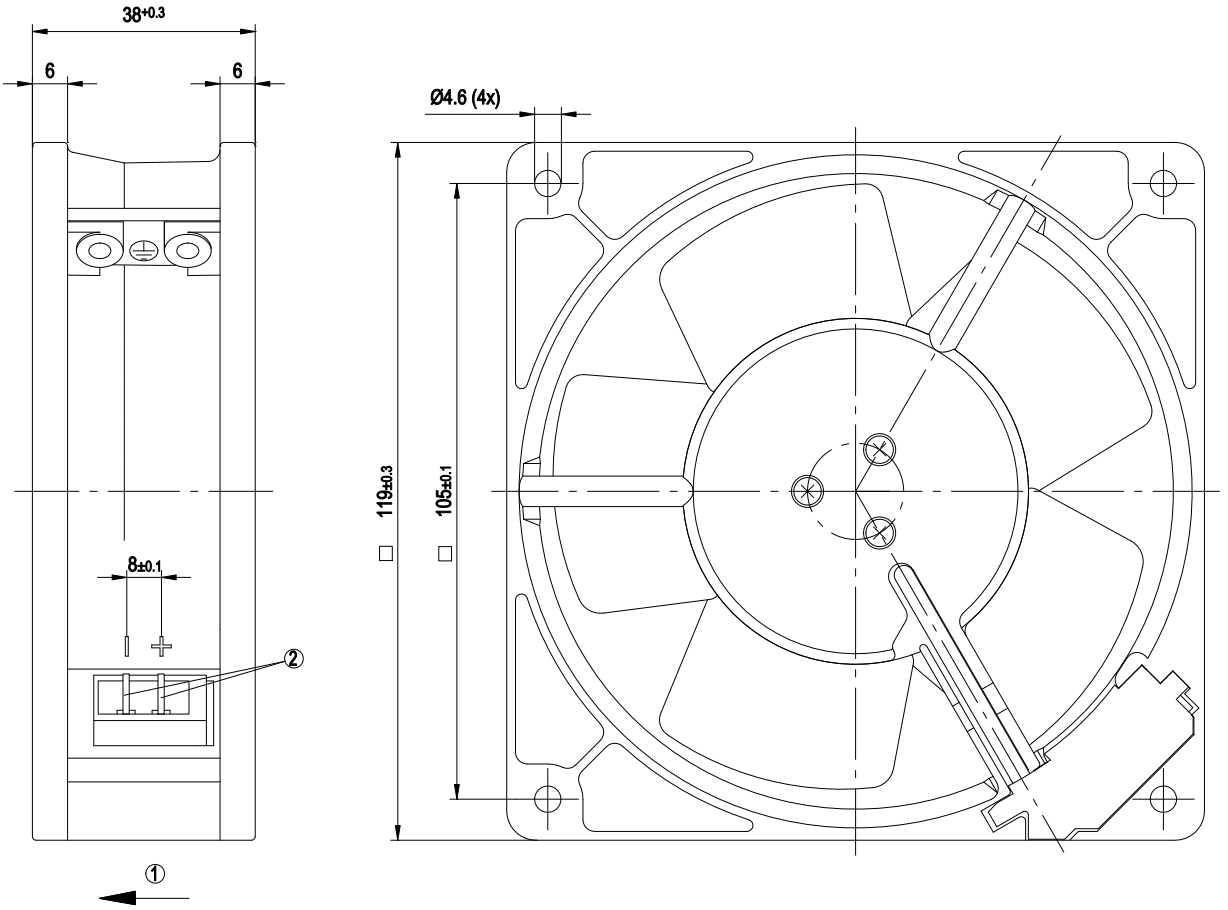
Technical features

Mass	0.6 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
Electrical leads	With plug
Motor protection	Reverse polarity and locked-rotor protection
Product conforming to standard	EN 60335-1
Approval	CSA C22.2 Nr.113; UL 507

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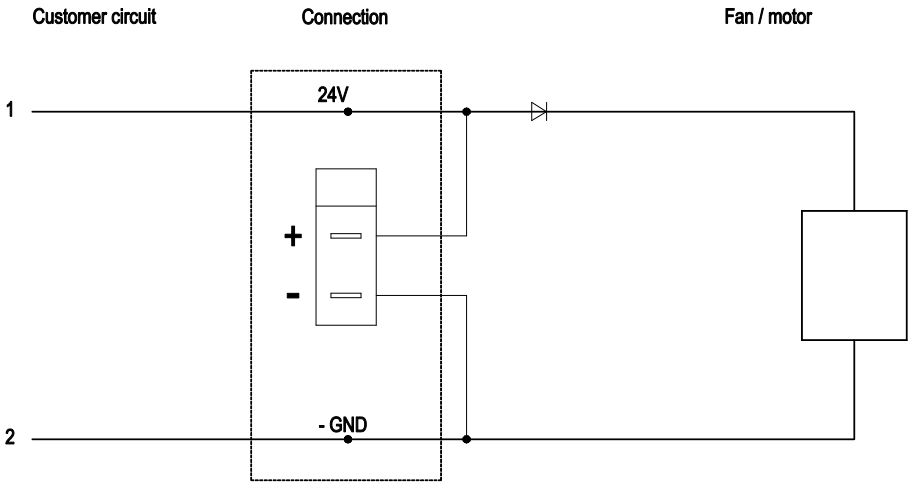
Product drawing



1	Direction of air flow "V"
2	2x flat pin terminals 2.8x0.8 (GHW 25617.123.111)

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Connection screen

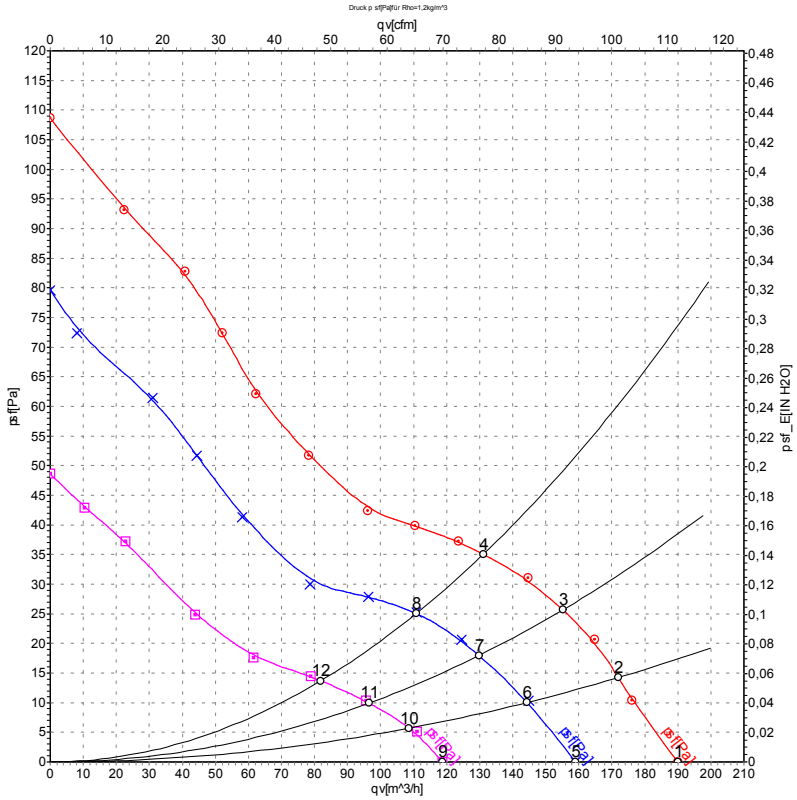


Line	No.	Signal	Colour	Function / assignment
1	1	UN +24V	red	Power supply +24 V/voltage range refer to rating plate, residual ripple ± 3.5%
1	2	GND	blue	Reference mass

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Charts: Air flow



Measurement: LU-47156
Measurement: LU-47155
Measurement: LU-47157

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_e	I	qv	p_{sf}
	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

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