

W2G110-AM47-01 ebmpapst Datasheet

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Nominal data

Type	W2G110-AM47-01	
Motor	M2G045-BA	
Nominal voltage	VDC	24
Nominal voltage range	VDC	18 .. 30
Type of data definition		fa
Speed	min ⁻¹	3100
Power input	W	5.6
Max. back pressure	Pa	55
Min. ambient temperature	°C	- 25
Max. ambient temperature	°C	+72

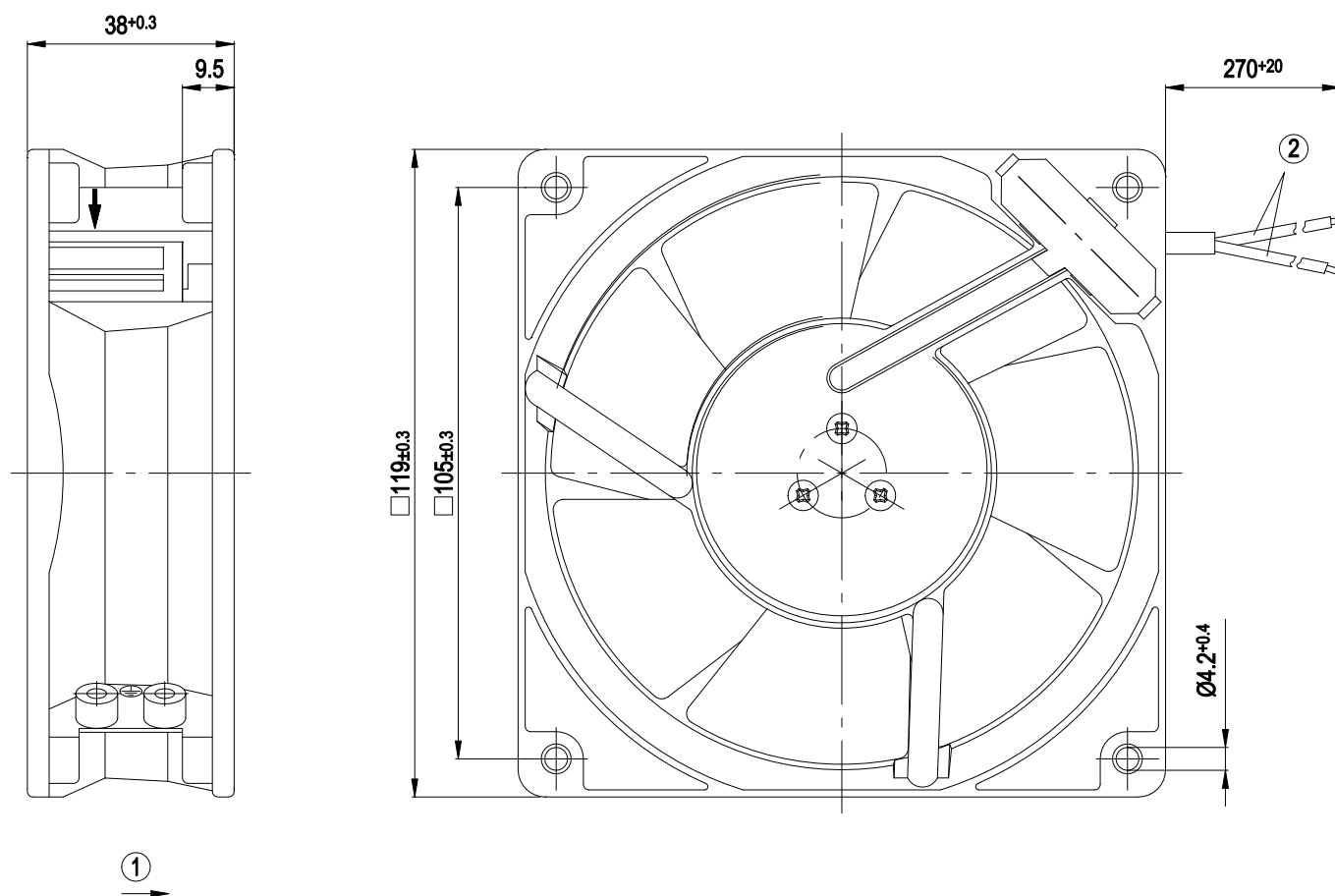
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

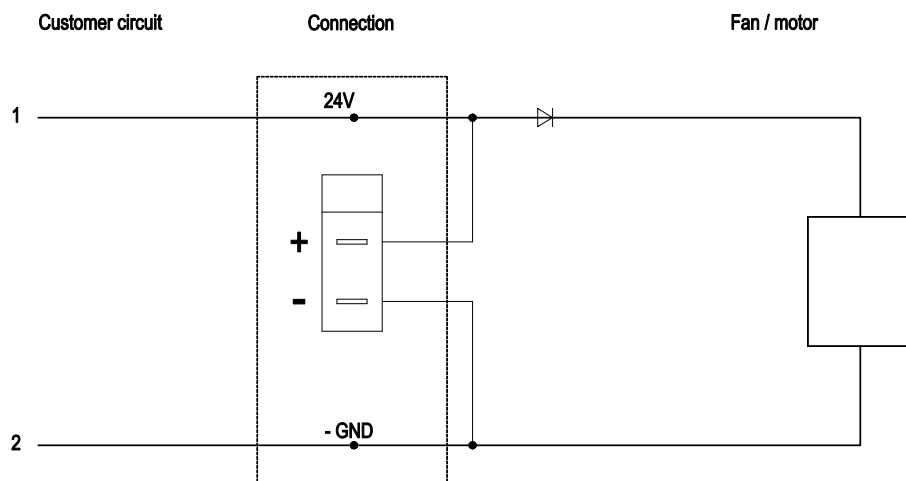
Mass	0.48 kg
Size	110 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminum, coated in black
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22
Insulation class	"B"
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-25 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Motor current limit
EMC interference immunity	Acc. to EN 61000-6-2
EMC interference emission	Acc. to EN 55022 (Class A)
Motor protection	Reverse polarity and locked-rotor protection
Product conforming to standard	EN 60950-1
Approval	CSA C22.2 Nr.113; VDE; UL 507

Product drawing



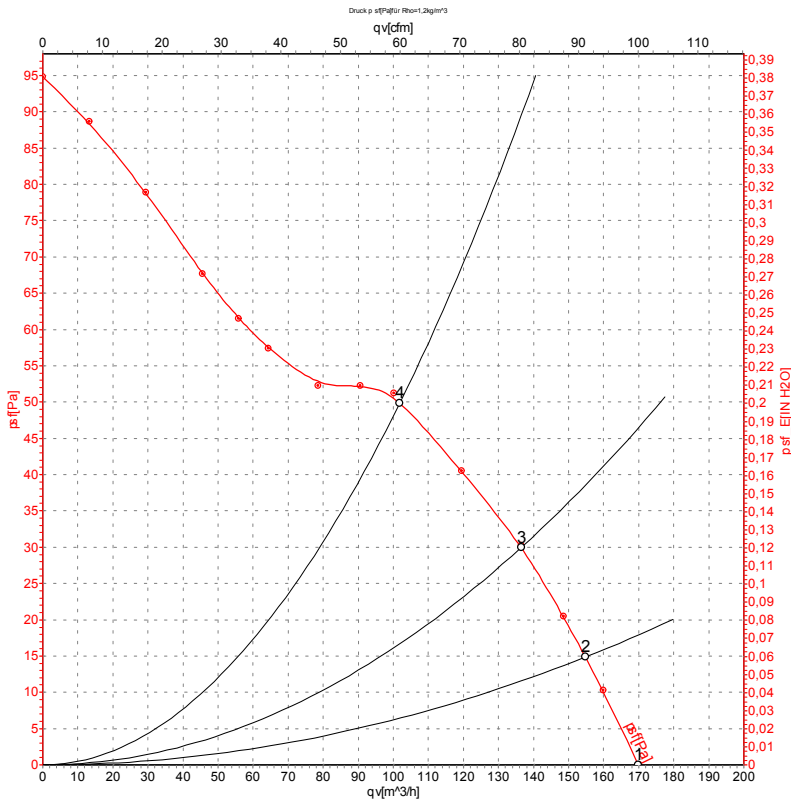
1	Direction of air flow "A"
2	Connection line 2 x AWG22-300 V: red = +, blue = -

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 $\pm 3.5\%$
1	2	GND	blue	Reference mass

Charts: Air flow



Measurement: LU-25406

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	Pe	I	qv	Psf
	V	min ⁻¹	W	A	m ³ /h	Pa
1	24	3130	6.4	0.27	170	0
2	24	3070	6.5	0.27	155	15
3	24	3010	6.9	0.29	135	30
4	24	2940	7.1	0.30	100	50

