

ASIA PACIFIC SHENGRUI LIMITED

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Nominal data

Type	W2G110-AK43-31	
Motor	M2G045-BA	
Nominal voltage	VDC	24
Nominal voltage range	VDC	16 .. 28
Type of data definition		fa
Speed	min ⁻¹	4400
Power input	W	15
Max. back pressure	Pa	100
Min. ambient temperature	°C	- 25
Max. ambient temperature	°C	+72

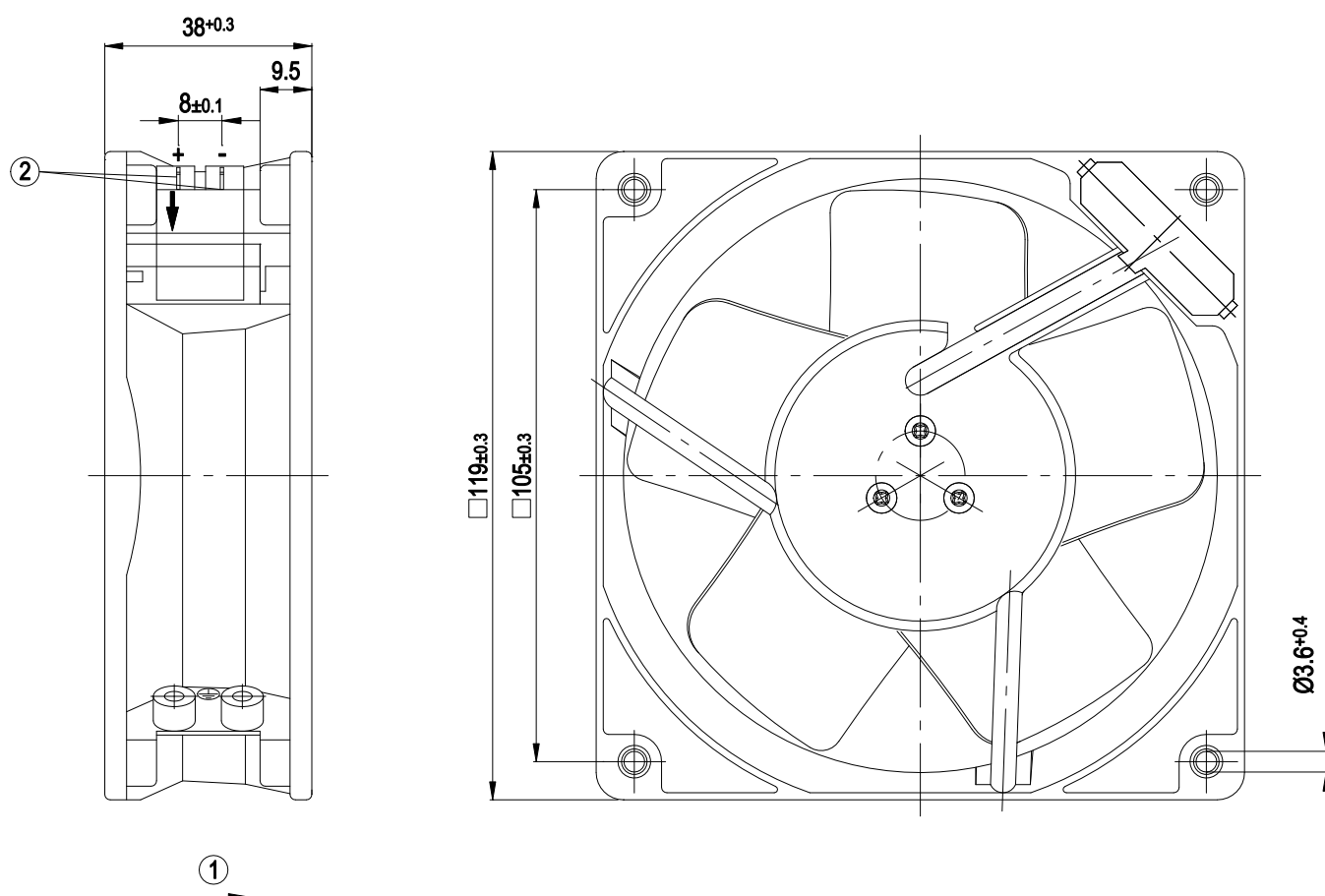
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

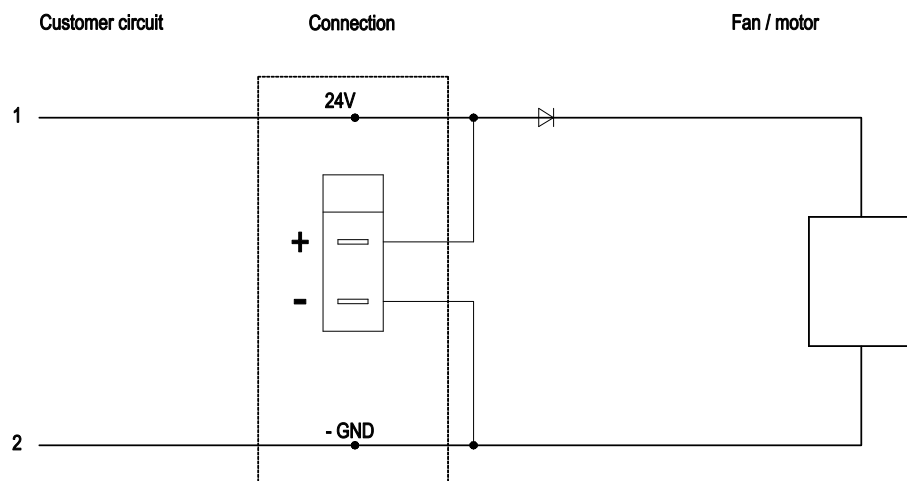
Mass	0.49 kg
Size	110 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22
Insulation class	"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
Electrical leads	With plug
Motor protection	Reverse polarity and locked-rotor protection
Product conforming to standard	EN 60950-1
Approval	CSA C22.2 Nr.113; UL 507

Product drawing



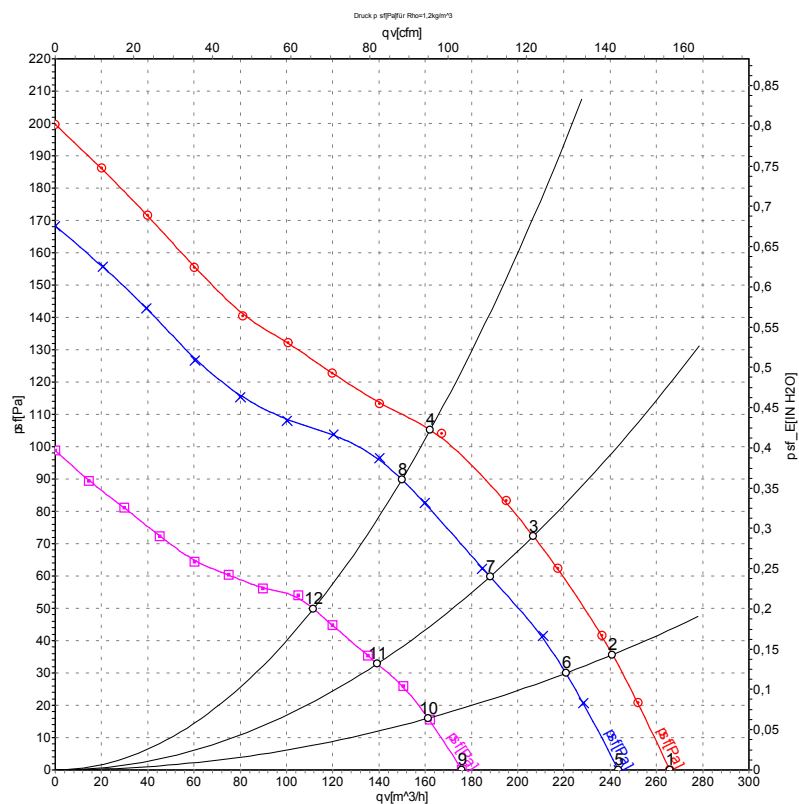
- | | |
|---|---|
| 1 | Direction of air flow "A" |
| 2 | 2 x flat plugs 2.8x0.5 (AMP no. 170058-2) |

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-77463
 Measurement: LU-77462
 Measurement: LU-77464

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: L_{WA} measured as per ISO 13347 /
 L_{pA} 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 _{st}
	V	min ⁻¹	W	A	m³/h	Pa
1	28	4755	21	0.83	265	0
2	28	4635	22	0.87	240	36
3	28	4485	23	0.90	205	72
4	28	4345	24	0.94	160	106
5	24	4400	15	0.62	245	0
6	24	4245	16	0.70	220	30
7	24	4110	17	0.75	190	60
8	24	3990	18	0.80	150	90
9	16	3230	6.3	0.41	175	0
10	16	3160	6.6	0.43	160	16
11	16	3075	6.9	0.45	140	33
12	16	2995	7.2	0.47	110	50