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**Nominal data**

<b>Type</b>	<b>W2G115-AG71-12</b>	
<b>Motor</b>	<b>M2G045-BA</b>	
Nominal voltage	VDC	24
Nominal voltage range	VDC	16 .. 28
Method of obtaining data		fa
Status		prelim.
Speed (rpm)	min <sup>-1</sup>	4050
Power consumption	W	12
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	72

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
 Subject to change



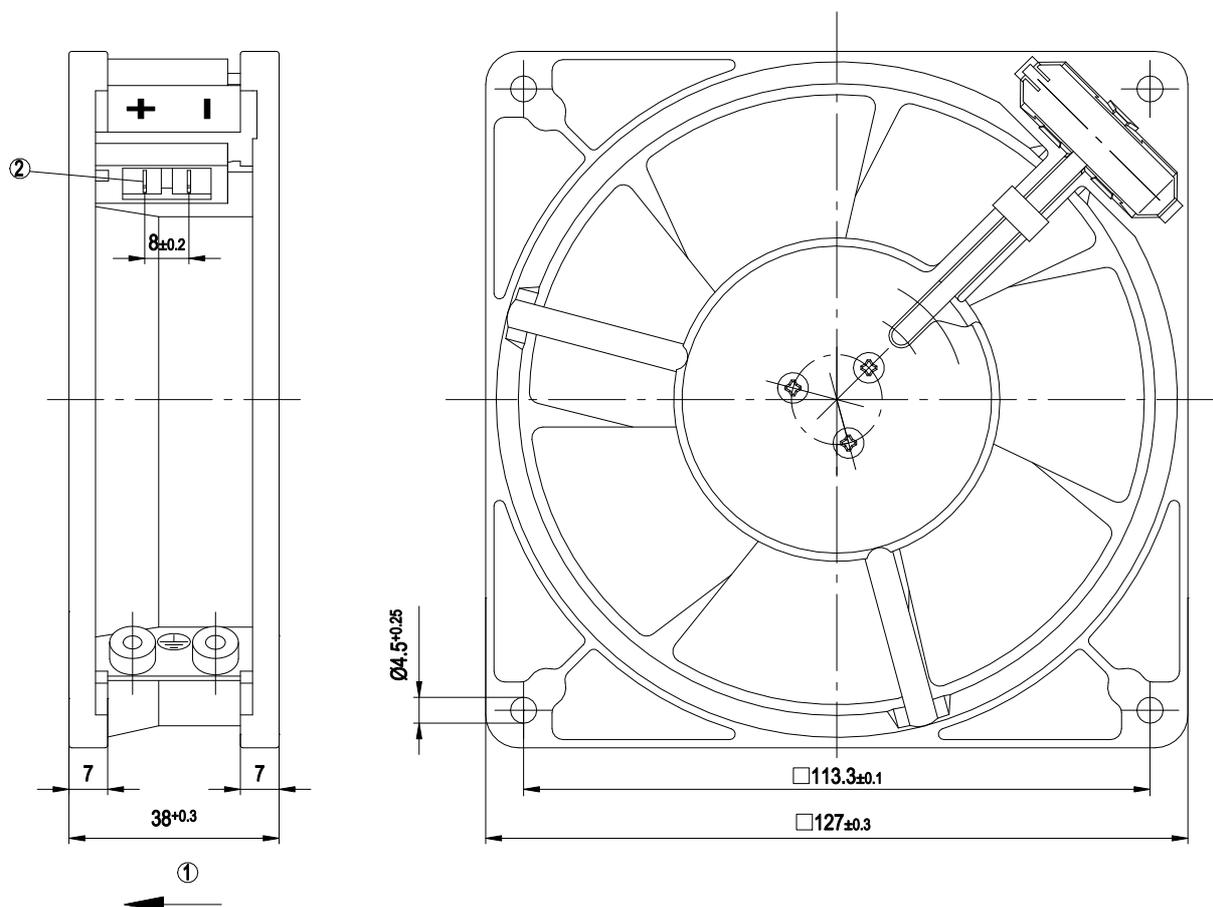
## Technical description

<b>Weight</b>	0.55 kg
<b>Fan size</b>	115 mm
<b>Rotor surface</b>	Painted black
<b>Blade material</b>	Sheet steel, painted black
<b>Fan housing material</b>	Die-cast aluminum, painted black
<b>Number of blades</b>	7
<b>Airflow direction</b>	"V"
<b>Direction of rotation</b>	Counterclockwise, viewed toward rotor
<b>Degree of protection</b>	IP22
<b>Insulation class</b>	"B"
<b>Max. permitted ambient temp. for motor (transport/storage)</b>	+ 80 °C
<b>Min. permitted ambient temp. for motor (transport/storage)</b>	- 40 °C
<b>Installation position</b>	Any
<b>Condensation drainage holes</b>	On rotor side
<b>Mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Electrical hookup</b>	With plug
<b>Motor protection</b>	Reverse polarity and locked-rotor protection

# EC axial compact fan

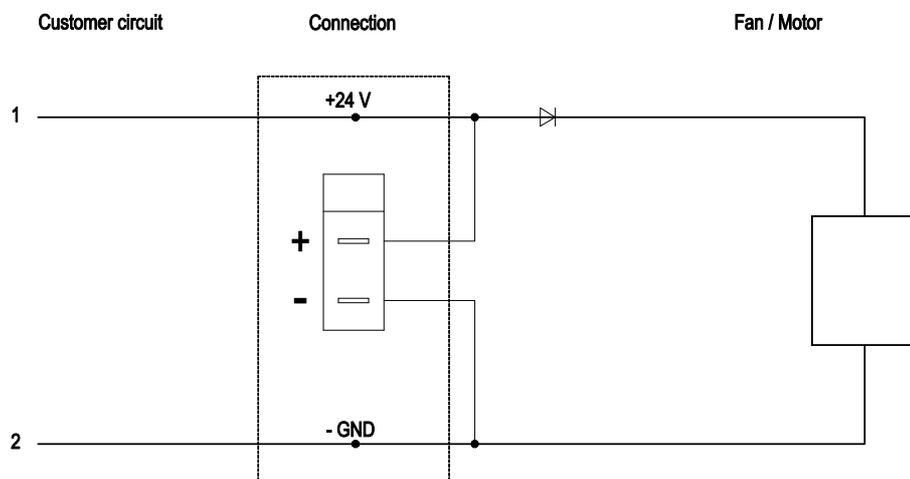
straight blades (A series)

## Product drawing



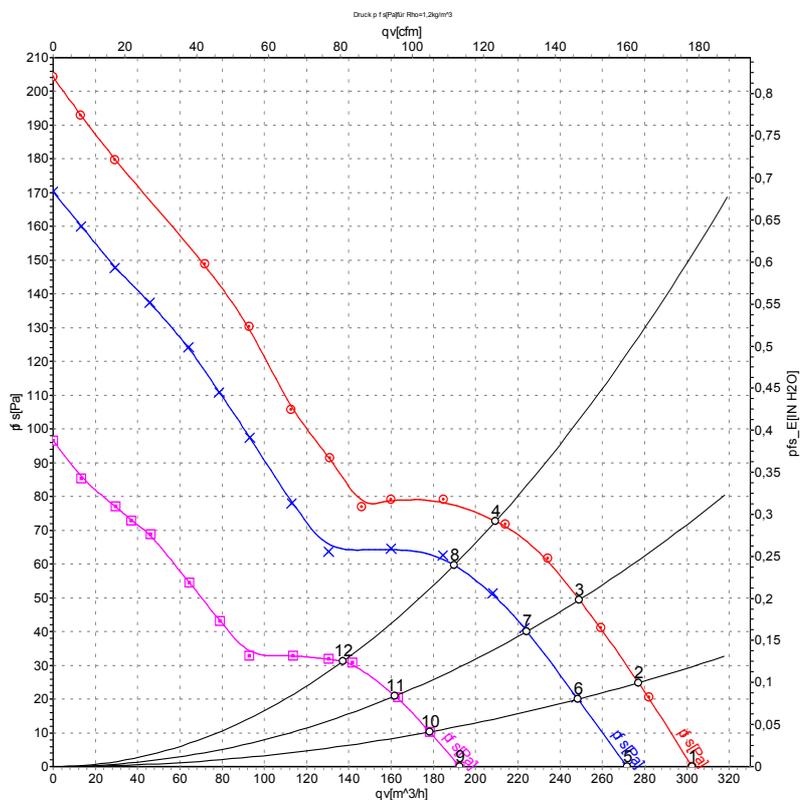
- |   |   |
|---|---|
| 1 | Direction of air flow "V"                 |
| 2 | 2x flat plug 2.8 x 0.5 (AMP no. 170058-2) |

## Connection diagram



No.	Conn.	Designation	Color	Function/assignment
1	1	UN +24V	red	Power supply +24 V / see nameplate for voltage range, maximum ripple $\pm 3.5\%$
1	2	GND	blue	Reference ground

## Curves: Air performance



Measurement: LU-17909-1  
 Measurement: LU-17908-1  
 Measurement: LU-17910-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebmpapst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

## Measured values

	U	n	P <sub>ed</sub>	I	qv	p <sub>fs</sub>	qv	p <sub>fs</sub>
	V	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa	CFM	inH <sub>2</sub> O
1	28	4490	17	0.60	300	0	180	0.00
2	28	4370	17	0.60	275	25	165	0.10
3	28	4245	19	0.66	250	49	145	0.20
4	28	4150	17	0.59	210	73	125	0.29
5	24	4050	12	0.51	270	0	160	0.00
6	24	3955	12	0.52	250	20	145	0.08
7	24	3855	14	0.56	225	40	130	0.16
8	24	3750	14	0.58	190	60	110	0.24
9	16	2930	4.3	0.27	195	0	115	0.00
10	16	2860	5.0	0.31	180	10	105	0.04
11	16	2800	4.6	0.29	160	21	95	0.08
12	16	2750	5.4	0.34	135	31	80	0.12

U = Power supply · n = Speed (rpm) · P<sub>ed</sub> = Power consumption · I = Current draw · qv = Air flow · p<sub>fs</sub> = Pressure increase

