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Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	W2G115-AD15-13	
Motor	M2G045-BA	
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 16
Method of obtaining data		fa
Speed (rpm)	min ⁻¹	2800
Power consumption	W	4.5
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	72

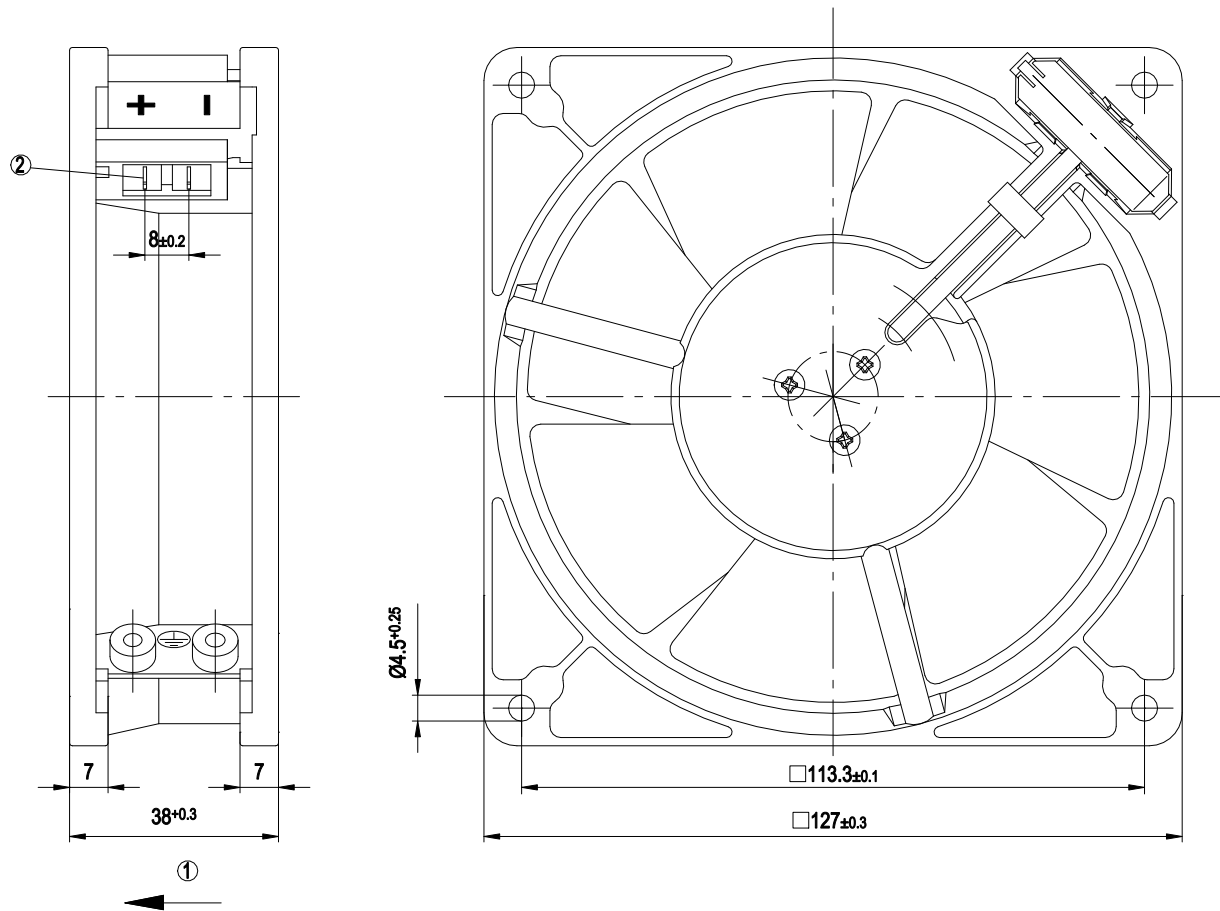
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
 Subject to change



Technical description

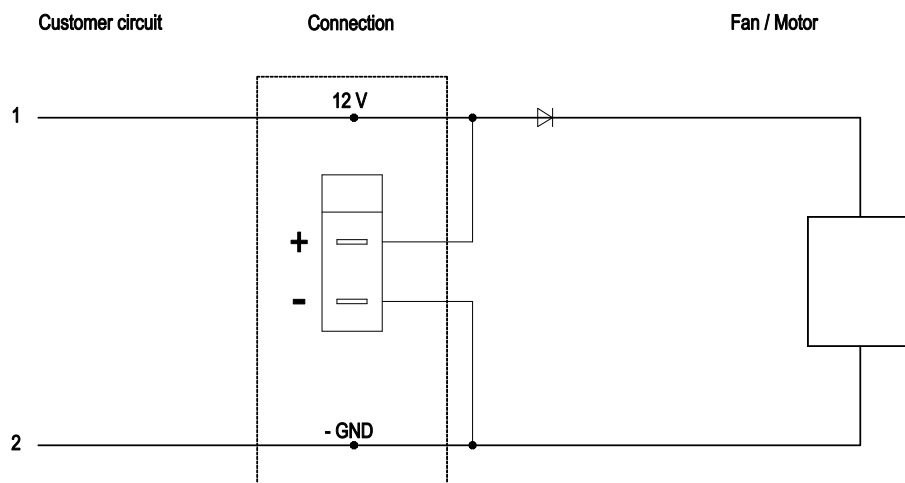
Weight	0.55 kg
Size	115 mm
Motor size	45
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum, painted black
Number of blades	7
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP22
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	-25 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor mounting	Ball bearing
Electrical hookup	Plug
Motor protection	Reverse polarity and locked-rotor protection
Conformity with standards	EN 60950-1
Approval	UL 507; EAC

Product drawing



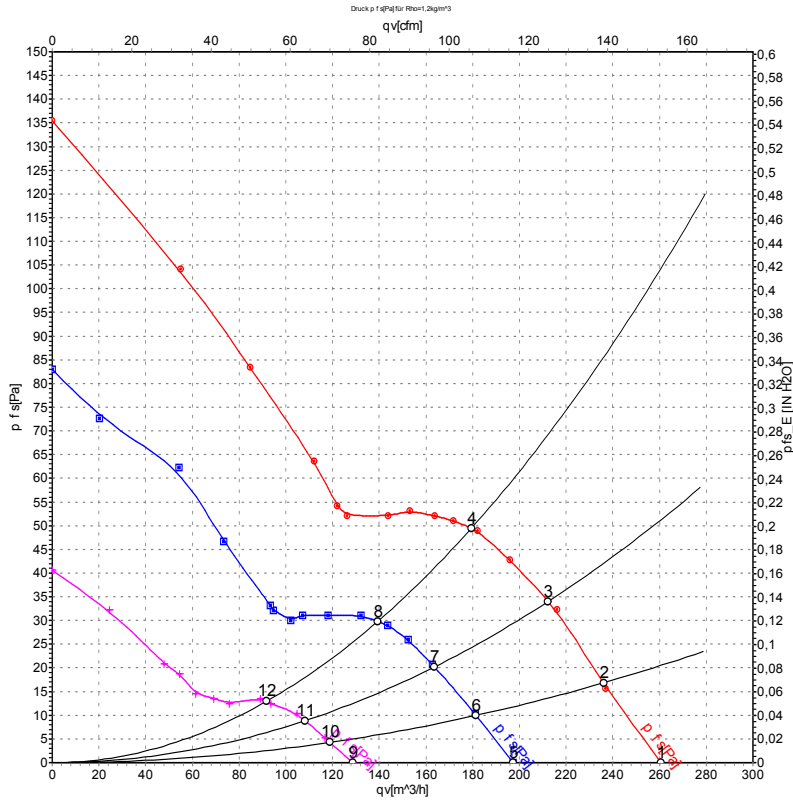
- | | |
|---|---|
| 1 | Direction of air flow "V" |
| 2 | 2x flat plug 2.8 x 0.5 (AMP no. 170058-2) |

Connection diagram



No.	Conn.	Designation	Color	Function/assignment
1	1	UN +12V	red	Power supply +12 V / see nameplate for voltage range, maximum ripple $\pm 3.5\%$
1	2	GND	blue	Reference ground

Curves: Air performance



Measurement: LU-9343-1
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Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. 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 _{ed}	I	q _v	p _{fs}	q _v	p _{fs}
	V	min ⁻¹	W	A	m ³ /h	Pa	cfm	in. wg
1	16	3690	8.9	0.56	260	0	155	0.00
2	16	3585	9.4	0.59	235	16	140	0.06
3	16	3495	10	0.63	210	34	125	0.14
4	16	3410	11	0.66	180	50	105	0.20
5	12	2870	4.5	0.37	195	0	115	0.00
6	12	2780	4.8	0.40	180	10	105	0.04
7	12	2720	4.9	0.41	165	20	95	0.08
8	12	2665	5.3	0.44	140	30	80	0.12
9	8	1855	1.80	0.23	130	0	75	0.00
10	8	1835	1.80	0.23	120	4	70	0.02
11	8	1800	2.01	0.25	110	9	65	0.04
12	8	1770	2.04	0.25	90	13	55	0.05

U = Power supply · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase

