

# Centrifugal Fan

Cooling fan blows air in a centrifugal course. It features high static pressure.

Related product: Splash Proof Centrifugal Fan p. 299

**Model Numbering System** Not every combination of the following codes or characters is available. Contact us for an available combination.

<b>9T</b>	<b>M</b>	<b>48</b>	<b>P</b>	<b>4</b>	<b>H</b>	<b>01</b>
Type name	Impeller size	Voltage	PWM control function	Thickness	Speed code	Individual customer's spec. (2 to 3 digits)

Bracket-mounted Centrifugal Fan

<b>9B1T</b>	<b>P</b>	<b>48</b>	<b>P</b>	<b>0</b>	<b>H</b>	<b>001</b>
Type name	Impeller size	Voltage	PWM control function	Thickness	Speed code	Individual customer's spec. (3 digits)

Type name	9B1T 9T														
Impeller size (mm)	<table border="1"> <tr> <td>D</td> <td>G, GA</td> <td>J</td> <td>M</td> <td>N</td> <td>P</td> <td>S</td> </tr> <tr> <td>∅70</td> <td>∅175</td> <td>∅133</td> <td>∅100</td> <td>∅150</td> <td>∅221</td> <td>∅225</td> </tr> </table>	D	G, GA	J	M	N	P	S	∅70	∅175	∅133	∅100	∅150	∅221	∅225
D	G, GA	J	M	N	P	S									
∅70	∅175	∅133	∅100	∅150	∅221	∅225									
Voltage (V)	<table border="1"> <tr> <td>12</td> <td>24</td> <td>48</td> </tr> <tr> <td>12</td> <td>24</td> <td>48</td> </tr> </table>	12	24	48	12	24	48								
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Thickness (mm)	<table border="1"> <tr> <td>0</td> <td>1</td> <td>4</td> <td>6</td> </tr> <tr> <td>69 min., 99, 119</td> <td>35</td> <td>25</td> <td>20</td> </tr> </table>	0	1	4	6	69 min., 99, 119	35	25	20						
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69 min., 99, 119	35	25	20												
Speed code	H G etc.														

**How to Read Specifications (DC fan)** The following is a sample. See respective product pages for detailed information.

Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min <sup>-1</sup> ]	Max. airflow [m <sup>3</sup> /min] [CFM]	Max. static pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
<b>9GA0412G7001</b>	12	7 to 13.8	0.17	2.04	13100	0.36 12.7	192 0.77	42	-20 to +70	40000/60°C (70000/40°C)

- Rated voltage ..... This is the necessary voltage to drive the fan. E.g.) 12 VDC, 24 VDC, 48 VDC
- Operating voltage range ..... The voltage range over which fan operation is guaranteed.
- Rated current ..... The current when the fan is operating at rated voltage (at free air).
- Rated input ..... The power value when the fan is operating at rated voltage (at free air).
- Rated speed ..... The speed when the fan is operating at rated voltage (at free air).
- Max. airflow ..... The airflow at 0 Pa static pressure when the fan is operating at rated voltage. (Measured using the double chamber method)
- Max. static pressure ..... The static pressure at 0 m<sup>3</sup>/min airflow when the fan is operating at rated voltage. (Measured using the double chamber method)
- SPL ..... A-weighted sound pressure level (SPL) when the fan operates at the rated speed.  
For the measurement method, see the Technical Materials section in the catalog.
- Operating temperature ..... The temperature range over which fan operation is guaranteed (Non-condensing).
- Expected life ..... Service life hours that 90% of bearings will survive without failing when continuously operated at the rated voltage and 60°C temperature. Expected life at 40°C is for reference only.  
For more information, please refer to the technical material section.