



92x92x38 mm

San Ace 92 9GV type

General Specifications

- Material Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-1)
- Expected life See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)
- Motor protection function Locked rotor burnout protection, Reverse polarity protection
For details, please refer to p. 547.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance 10 MΩ or more with a 500 VDC megger (between lead wire conductors and frame)
- Sound pressure level (SPL) At 1 m away from the air inlet
- Storage temperature -30 to +70°C (Non-condensing)
- Lead wire ⊕Red ⊖Black (Sensor) Yellow (Control) Brown
- Mass 250 g

Specifications

The models listed below **have ribs and pulse sensors with PWM control function.** For models without ribs, append "1" to the end of model numbers.

| Model no. | Rated voltage [V] | Operating voltage range [V] | PWM duty cycle* [%] | Rated current [A] | Rated input [W] | Rated speed [min ⁻¹] | Max. airflow [m ³ /min] [CFM] | Max. static pressure [Pa] [inchH ₂ O] | SPL [dB (A)] | Operating temperature [°C] | Expected life [h] | |
|--------------|-------------------|-----------------------------|---------------------|-------------------|-----------------|----------------------------------|--|--|--------------|----------------------------|-------------------|------------|
| 9GV0912P1G03 | 12 | 10.8 to 13.2 | 100 | 4.1 | 49.2 | 9000 | 5.35 189.0 | 430.0 1.73 | 68 | -20 to +70 | 40000/60°C | |
| | | | 0 | 0.33 | 4.0 | 2900 | 1.72 60.8 | 44.6 0.18 | 37 | | | |
| 10.2 to 13.8 | | 100 | 3.5 | 42.0 | 8500 | 5.05 178.0 | 385.0 1.55 | 64 | -10 to +70 | | | |
| | | 0 | 0.29 | 3.5 | 2700 | 1.6 56.5 | 38.8 0.16 | 34 | | | | |
| 9GV0912P1F03 | | 48 | 40.8 to 55.2 | 100 | 1.9 | 22.8 | 7000 | 4.15 146.6 | 261 1.05 | 59 | | -20 to +70 |
| | | | | 0 | 0.16 | 1.92 | 2200 | 1.3 45.9 | 25.7 0.1 | 31 | | |
| 9GV0948P1H03 | 48 | | 40.8 to 55.2 | 100 | 0.82 | 39.4 | 8500 | 5.05 178.0 | 385.0 1.55 | 64 | -20 to +70 | |
| | | | | 0 | 0.14 | 6.7 | 4000 | 2.37 83.7 | 85.2 0.34 | 45 | | |
| 9GV0948P1F03 | | | 48 | 40.8 to 55.2 | 100 | 0.48 | 23.04 | 7000 | 4.15 146.6 | 261 1.05 | 59 | -10 to +70 |
| | | | | | 0 | 0.12 | 5.76 | 3500 | 2.07 73.1 | 65.2 0.26 | 42 | |

* PWM frequency: 25 kHz

The following sensor and control options are available for selection.

Differs according to the model. Refer to the table on p. 574. Without sensor Pulse sensor Lock sensor

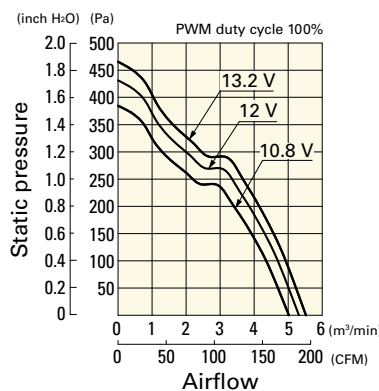
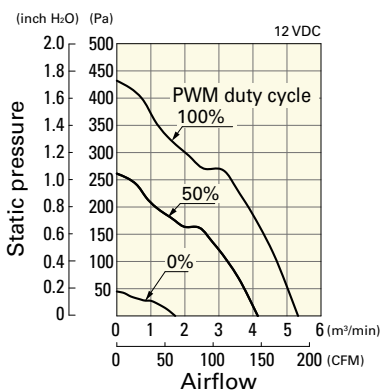
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GV0912P1G03 With pulse sensor with PWM control function

PWM duty cycle

Operating voltage range

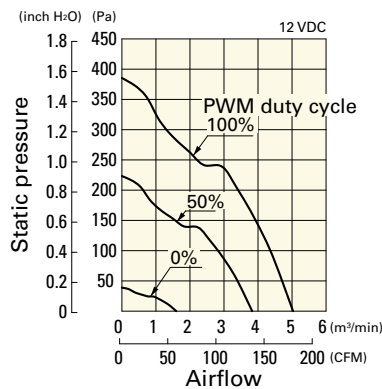
PWM duty - Speed characteristics example



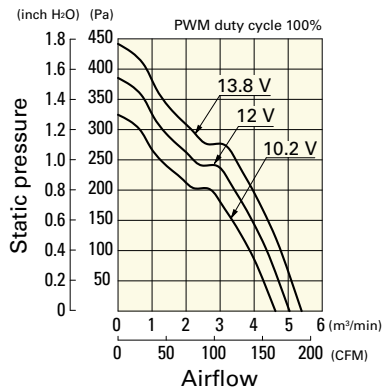
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GV0912P1H03 With pulse sensor with PWM control function

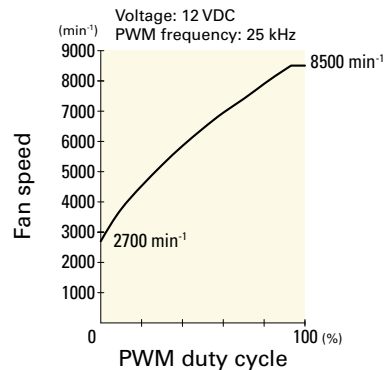
PWM duty cycle



Operating voltage range

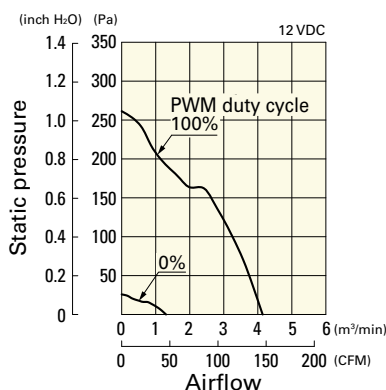


PWM duty - Speed characteristics example

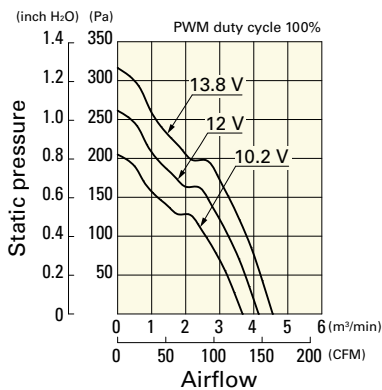


9GV0912P1F03 With pulse sensor with PWM control function

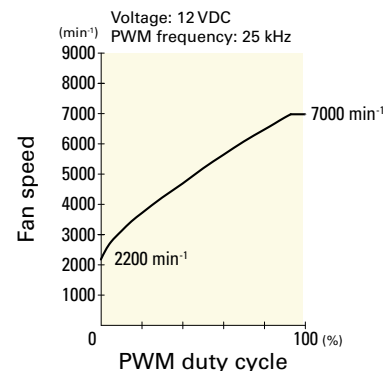
PWM duty cycle



Operating voltage range

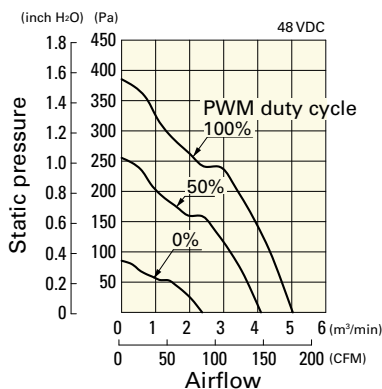


PWM duty - Speed characteristics example

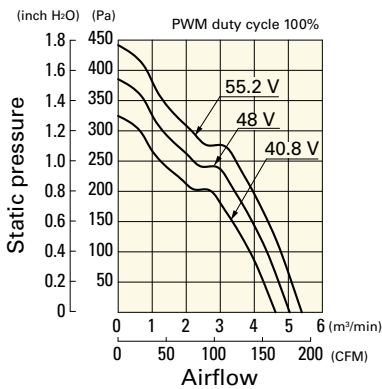


9GV0948P1H03 With pulse sensor with PWM control function

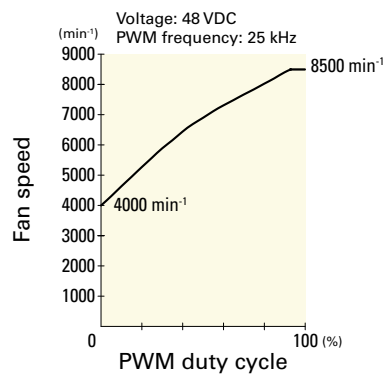
PWM duty cycle



Operating voltage range

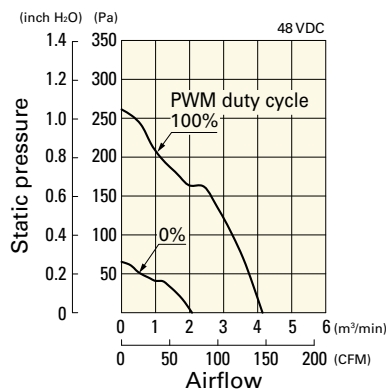


PWM duty - Speed characteristics example

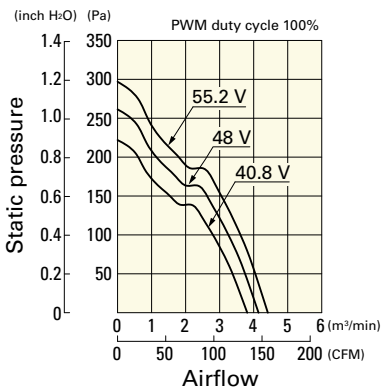


9GV0948P1F03 With pulse sensor with PWM control function

PWM duty cycle



Operating voltage range



PWM duty - Speed characteristics example

