

## DC Fan

# 60×60×38 mm

## San Ace 60 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)  
Expected life at 40°C is for reference only.
- Motor protection function ..... Locked rotor burnout protection, Reverse polarity protection  
For details, please refer to p. 616.
- Dielectric strength ..... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance ..... 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) ..... A-weighted 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 ..... 130 g

### Specifications

The models listed below **have ribs and a pulse sensor with PWM control**. 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 <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]          |
|--------------|-------------------|-----------------------------|--------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|--------------|----------------------------|----------------------------|
| 9GV0612P1G03 | 12                | 8.0 to 13.8                 | 100                | 2.8               | 33.6            | 16000                            | 2.37 84                                  | 751 3.02                                         | 66           | -20 to +70                 | 40000/60°C<br>(70000/40°C) |
|              |                   |                             | 0                  | 0.12              | 1.5             | 3100                             | 0.44 15                                  | 26 0.10                                          | 25           |                            |                            |
| 9GV0624P1G03 | 24                | 20.4 to 27.6                | 100                | 1.4               | 33.6            | 16000                            | 2.37 84                                  | 751 3.02                                         | 66           |                            |                            |
|              |                   |                             | 0                  | 0.12              | 2.88            | 6000                             | 0.89 31                                  | 105 0.42                                         | 38           |                            |                            |

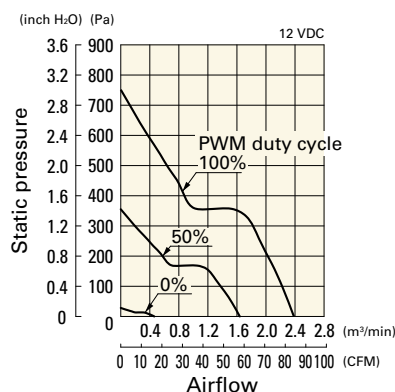
\* PWM frequency is 25 kHz. Models without ratings for 0% PWM duty cycle have zero speed at 0%. When control terminal is open, speed is the same as at 100% duty cycle.

Note: Sensor and control options are available for selection. Refer to the table on p. 651.

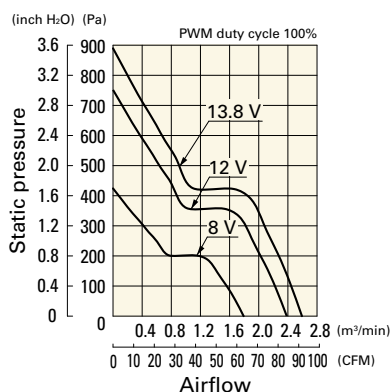
### Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

**9GV0612P1G03** With pulse sensor with PWM control

PWM duty cycle



Operating voltage range



PWM duty - Speed characteristics example

