

**92×92×38 mm****San Ace 92T 9GT** type  **c**  **US**

## General Specifications

- Material ..... Frame: Aluminum, 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. 529.
- 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 ..... -40 to +85°C (Non-condensing)
- Lead wire ..... ⊕Red ⊖Black Sensor Yellow Control Brown
- Mass ..... 270 g

## Specifications

The models listed below **have pulse sensors with PWM control function.**

| 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] |
|----------------------|-------------------|-----------------------------|---------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|--------------|----------------------------|-------------------|
| <b>9GT0912P1M001</b> | 12                | 10.2 to 13.8                | 100                 | 1.5               | 18.0            | 8100                             | 3.3 116.6                                | 315 1.26                                         | 58           | -40 to +85                 | 40000/85°C        |
|                      |                   |                             | 30                  | 0.3               | 3.6             | 3750                             | 1.5 53.0                                 | 72.0 0.29                                        | 37           |                            |                   |
| <b>9GT0924P1M001</b> | 24                | 20.4 to 27.6                | 100                 | 0.75              | 18.0            | 8100                             | 3.3 116.6                                | 315 1.26                                         | 58           |                            |                   |
|                      |                   |                             | 30                  | 0.15              | 3.6             | 3750                             | 1.5 53.0                                 | 72.0 0.29                                        | 37           |                            |                   |

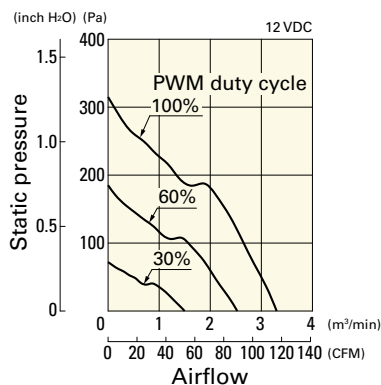
\* PWM frequency: 25 kHz. Fan does not rotate when PWM duty cycle is 0%.

Other sensor specifications are available as options. Refer to the index (p. 554).

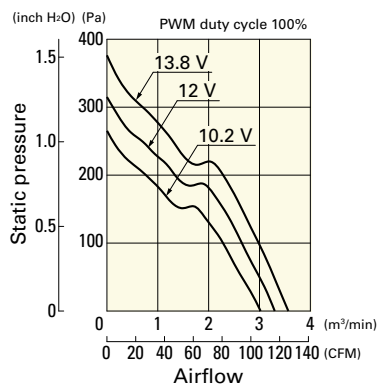
## Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

**9GT0912P1M001** With pulse sensor with PWM control function

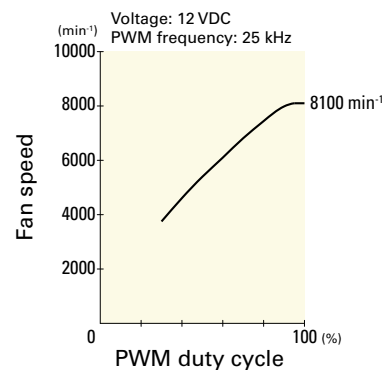
PWM duty cycle



Operating voltage range



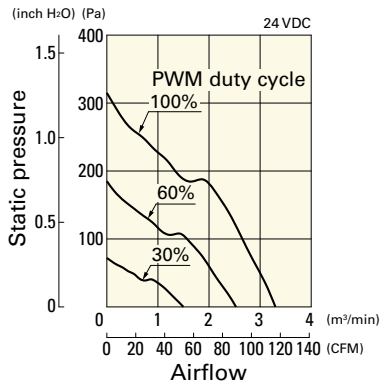
PWM duty - Speed characteristics example



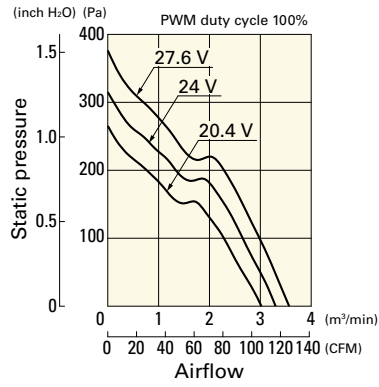
## Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

**9GT0924P1M001** With pulse sensor with PWM control function

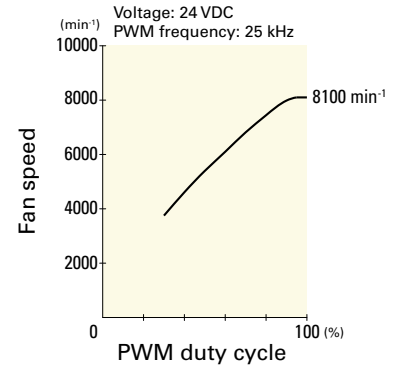
PWM duty cycle



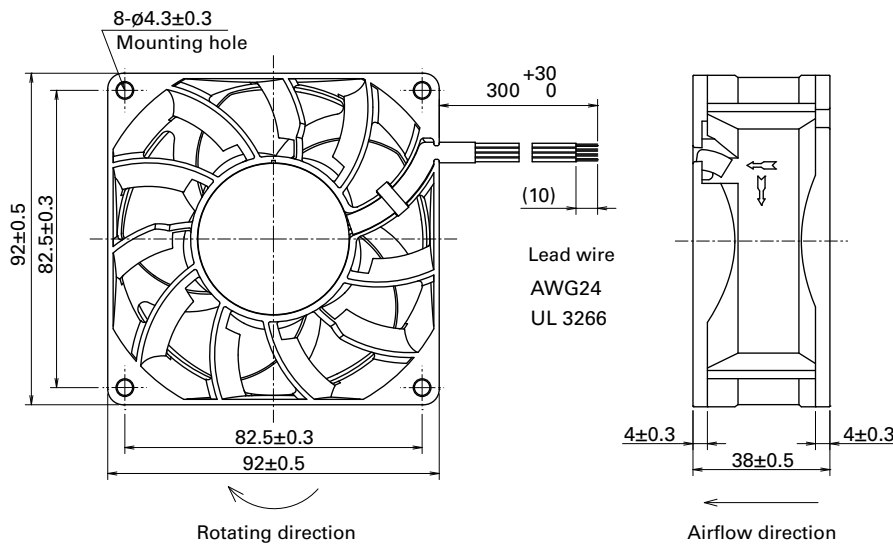
Operating voltage range



PWM duty - Speed characteristics example

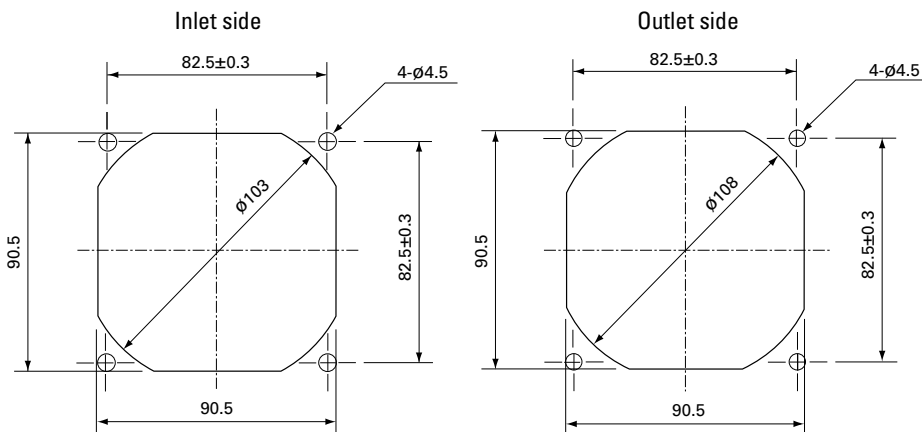


## Dimensions (unit: mm)



DC  
Wide Temperature Range Fan 92 mm sq.

## Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



## Options

Finger guards

page: p. 513

Model no.: 109-099C, 109-099E, 109-099H