

## Wide Temperature Range Fan

40×40×28 mm

San Ace 40T 9GT type   

勝特力電材超市-龍山店 886-3-5773766  
 勝特力電材超市-光復店 886-3-5729570  
 勝特力電子(上海) 86-21-34970699  
 勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>



## 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 85°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. 580.
- 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 ..... -40 to +85°C (Non-condensing)
- Lead wire .....  Red  Black  Yellow  Brown
- Mass ..... 55 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]           |
|---------------|-------------------|-----------------------------|--------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|--------------|----------------------------|-----------------------------|
| 9GT0412P3J001 | 12                | 10.2 to 13.8                | 100                | 0.31              | 3.72            | 11700                            | 0.52 18.4                                | 206 0.827                                        | 48           | -4C to +85                 | 40000/85°C<br>(162000/40°C) |
|               |                   |                             | 30                 | 0.08              | 0.96            | 4100                             | 0.18 6.36                                | 25.2 0.1                                         | 21           |                            |                             |
| 9GT0424P3J001 | 24                | 20.4 to 27.6                | 100                | 0.15              | 3.6             | 11700                            | 0.52 18.4                                | 206 0.827                                        | 48           |                            |                             |
|               |                   |                             | 30                 | 0.05              | 1.2             | 4100                             | 0.18 6.36                                | 25.2 0.1                                         | 21           |                            |                             |

\* 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.

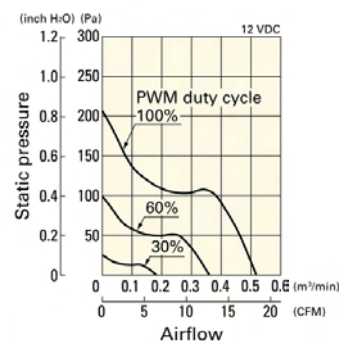
Note 1: Sensor and control options are available for selection. Refer to the table on p. 611.

Note 2: The  mark indicates Short LeadTime Service applicable models. See p. 630 for details.

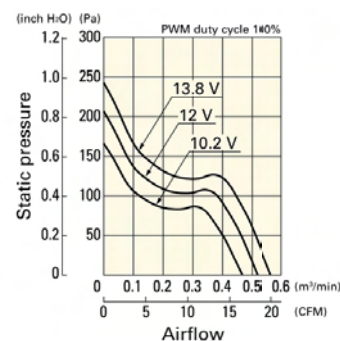
## Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GT0412P3J001 With pulse sensor with PWM control function

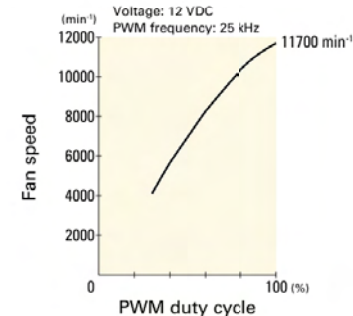
PWM duty cycle



Operating voltage range



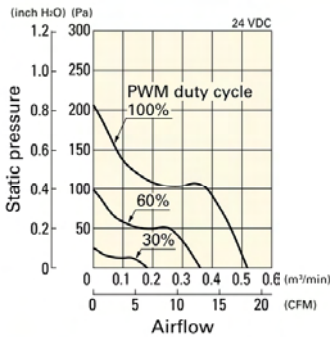
PWM duty - Speed characteristics example



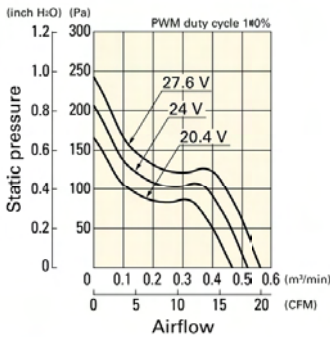
■ Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GT0424P3J001 With pulse sensor with PWM control function

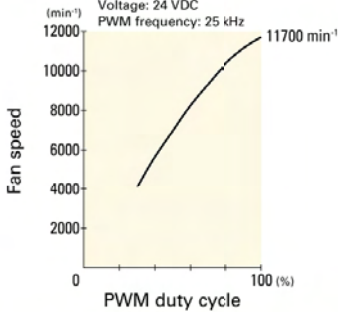
PWM duty cycle



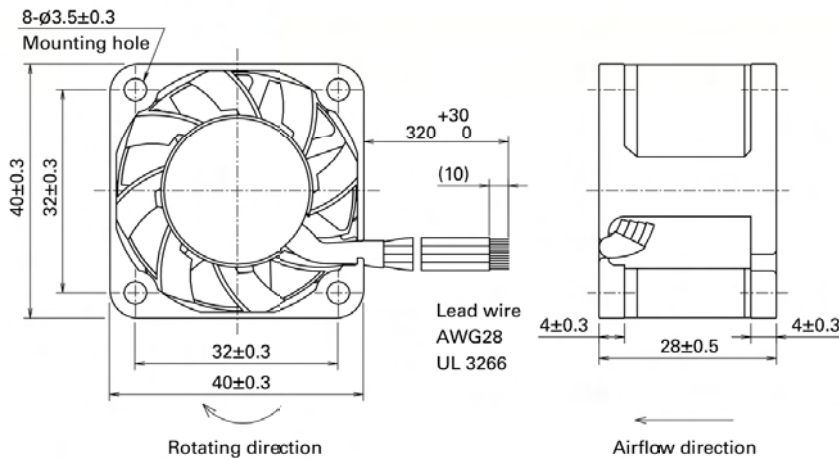
Operating voltage range



PWM duty - Speed characteristics example

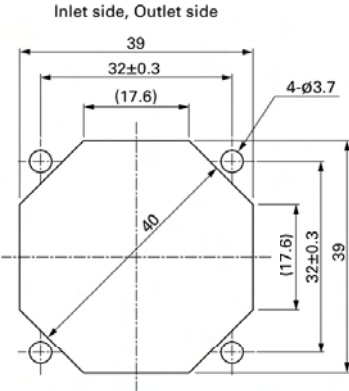


■ Dimensions (unit: mm)



DC  
Wide Temperature Range Fan 40 mm sq.

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



■ Options

Finger guards

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Model no.: 109-059, 109-059H