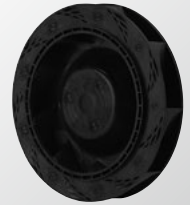


Ø150×35 mm

San Ace 150W 9W1T type  c  us



## General Specifications

- Material ..... Motor case: Aluminum (Black coating), Impeller: Plastic (Flammability: UL 94V-0)
- Expected life ..... See the table below. (L10 life: 90% survival rate for continuous operation in indoor 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 motor case)
- Insulation resistance ..... 10 MΩ or more with a 500 VDC megger (between lead wire conductors and motor case)
- 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 ..... 330 g
- Ingress protection ..... IP54

## Specifications

When the optional inlet nozzle (109-1081) is mounted.

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

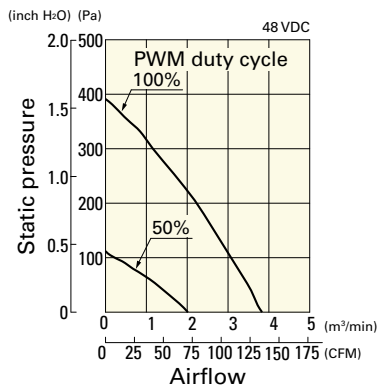
| Model no.    | Rated voltage [V] | Operating voltage range [V] | PWM duty cycle* [%] | Rated current [A] | Rated input [W] | Rated speed [min <sup>-1</sup> ] | Max. airflow [m <sup>3</sup> /min] [CFM] | Max. static pressure [Pa] [inchH <sub>2</sub> O] | SPL [dB (A)] | Operating temperature [°C] | Expected life [h]          |
|--------------|-------------------|-----------------------------|---------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|--------------|----------------------------|----------------------------|
| 9W1TN48P1H01 | 48                | 36.0 to 55.2                | 100                 | 0.32              | 15.4            | 3800                             | 3.83 135                                 | 390 1.57                                         | 59           | -20 to +70                 | 40000/60°C<br>(70000/40°C) |

\* PWM frequency: 25 kHz. Fan does not rotate when PWM duty cycle is 0%.  
Max input is 22 W at rated voltage.

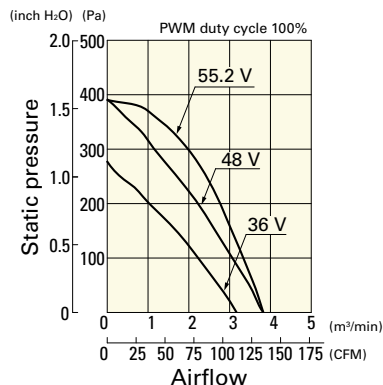
## Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

**9W1TN48P1H01** With pulse sensor with PWM control function

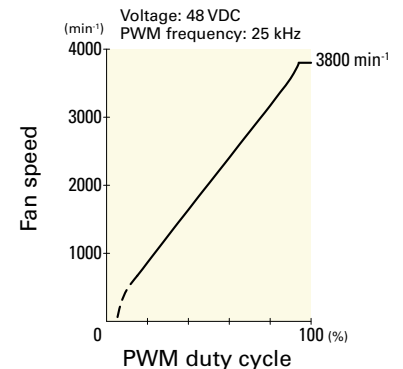
PWM duty cycle



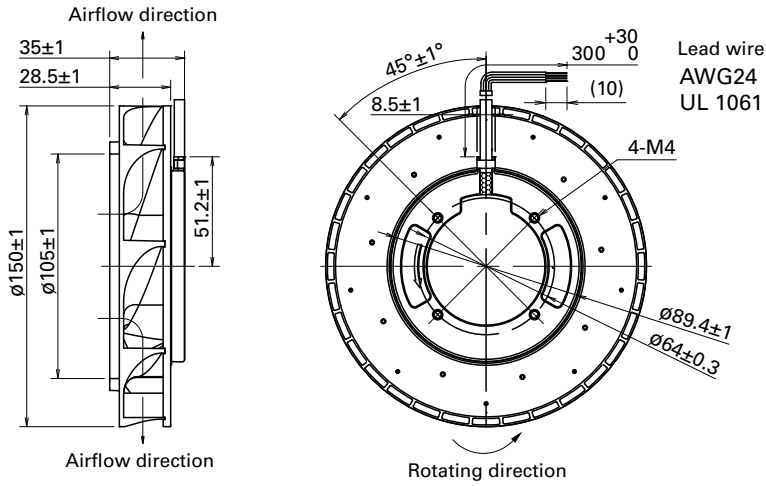
Operating voltage range



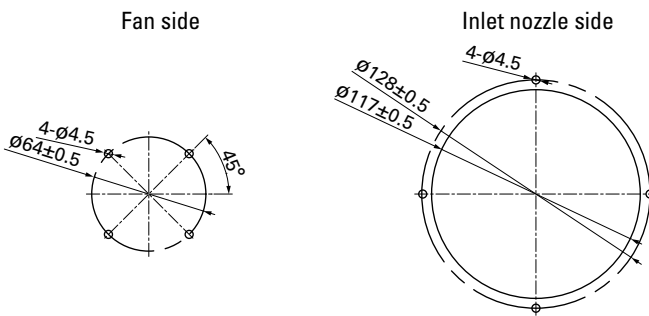
PWM duty - Speed characteristics example



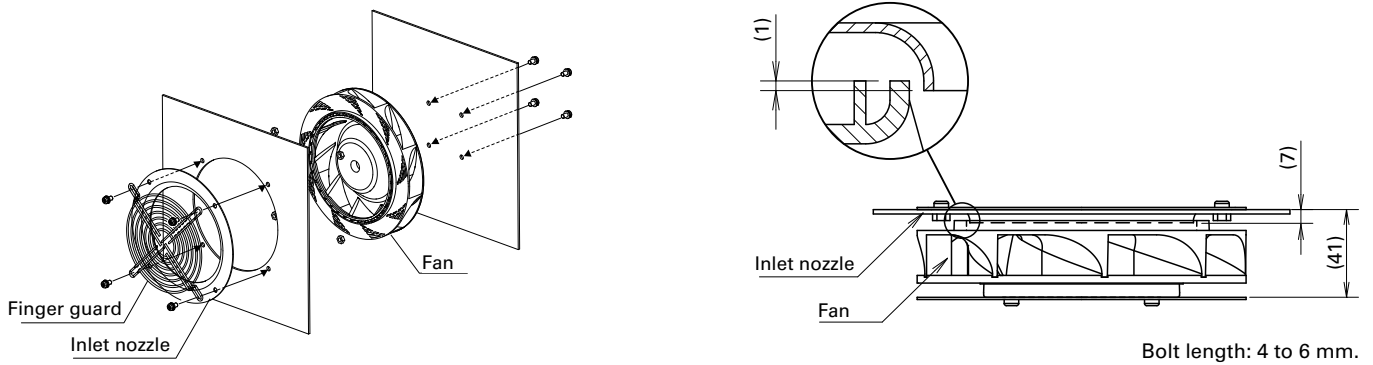
## Dimensions (unit: mm)



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



## Reference Diagram for Mounting



## Options

### Finger guards

page: p. 533

Model no.: 109-1104, 109-1104H

### Inlet nozzle

page: p. 537

Model no.: 109-1081, 109-1081H