

**φ 175<sub>mm</sub>**

# San Ace 175W



## General Specifications

- Material..... Motor case: Aluminum (Black coating),  
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life ..... Refer to specifications (Indoor, L10:Survival rate: 90% at 60°C ,  
rated voltage, and continuously run in a free air state)
- Lead Wire ..... ⊕red ⊖black (Sensor) yellow (Control) brown
- Storage Temperature ..... -30°C to +70°C (Non-condensing)

**φ 175mm × 69mm** (Mass : 760g) **IP 54 9W<sub>type</sub>**

## Specifications

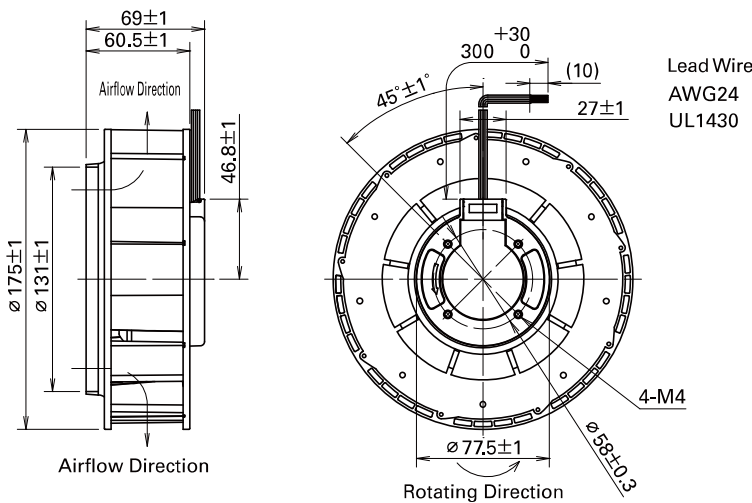
When inlet nozzle [Option (Model : 109-1073)] is mounted. The following nos. **have PWM controls and pulse sensors.**

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle <sup>*)</sup> [%]	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 <sup>*)</sup> [h]
9W1TG48P0H61	48	36 to 60	100	0.65	31.2	3,100	9.0 318	360 1.44	64	-20 to +70	40,000/60°C (70,000/40°C)

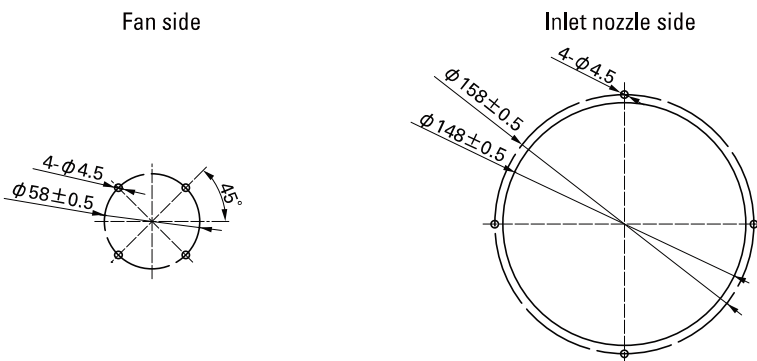
Note 1: Fan does not rotate when PWM duty cycle is 0%.  
Note 2: Expected life at 40°C ambient is just reference value.  
Max input is 60W at rated voltage.

\*)PWM Frequency : 25kHz

## Dimensions (unit: mm)



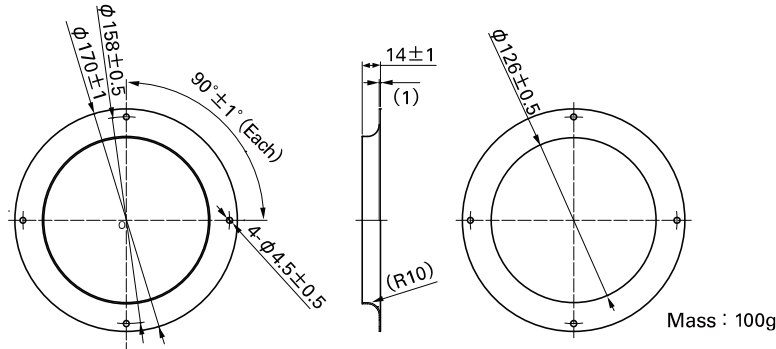
## Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



**Options (unit: mm)**

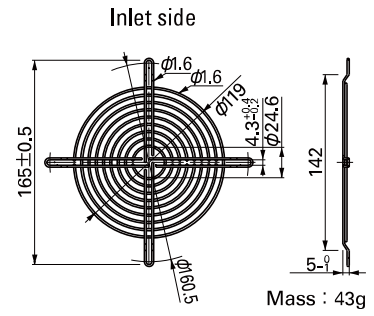
**Inlet Nozzle**

Model : 109-1073 Material : Steel sheet Surface treatment : Electro nickel plating (silver)  
 : 109-1073H : Steel sheet : Cation electropainting (black)



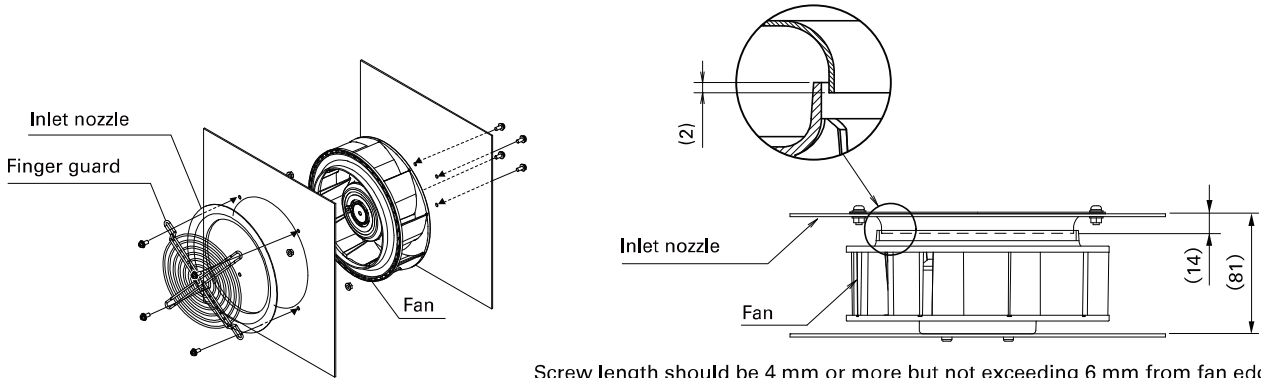
**Finger Guards**

Model : 109-722 Surface treatment : Nickel-chrome plating (silver) Color



Inlet nozzle : Nozzle mounted in fan inlet side to adjust the flow of introduced air

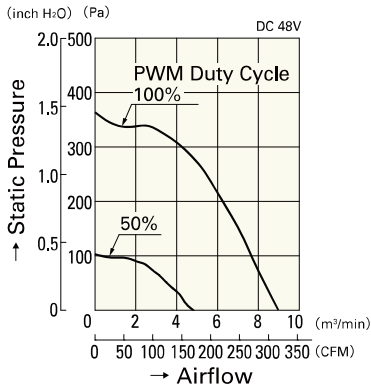
**Reference Diagram for Mounting**



Screw length should be 4 mm or more but not exceeding 6 mm from fan edge face. To prevent screw from loosening, use plain washer and spring washer.

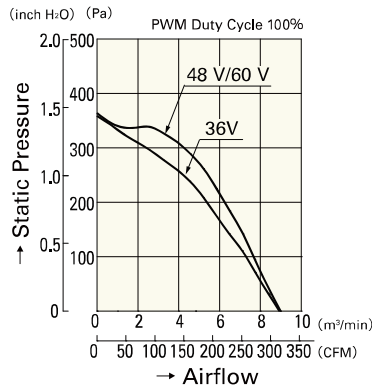
**Airflow - Static Pressure Characteristics**

**PWM Duty Cycle**



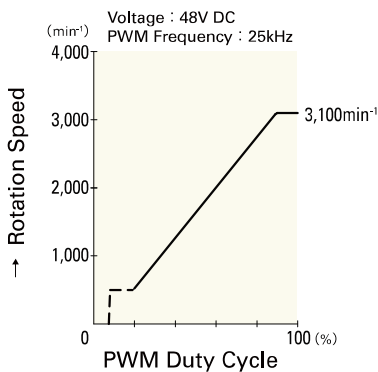
**9W1TG48P0H61**

**Operating Voltage Range**



**9W1TG48P0H61**

**PWM Duty Speed Characteristics Example**



**9W1TG48P0H61**