

60mm sq.**San Ace 60****General Specifications**

- Material Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life Refer to specifications (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
(For models without PWM control function, there is no
speed control wiring.)
- Storage Temperature ... -30°C to +70°C (Non-condensing)

60×60×20mm [Mass : 70g] **9GA type** **Low Power Consumption Fan****Specifications** The following nos. **have PWM controls, pulse sensors, and ribs.**

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle ^{Note1)} [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Airflow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
9GA0612P6G001	12	10.8 to 13.2	100	0.26	3.12	6,850	0.88 31.1	125 0.50	43	-20 to +70	40,000/60°C (70,000/40°C)
9GA0612P6S001			100	0.15	1.80	5,500	0.70 24.7	81 0.33	36		
9GA0624P6G001	24	21.6 to 26.4	100	0.12	2.88	6,850	0.88 31.1	125 0.50	43		
9GA0624P6S001			100	0.07	1.68	5,500	0.70 24.7	81 0.33	36		

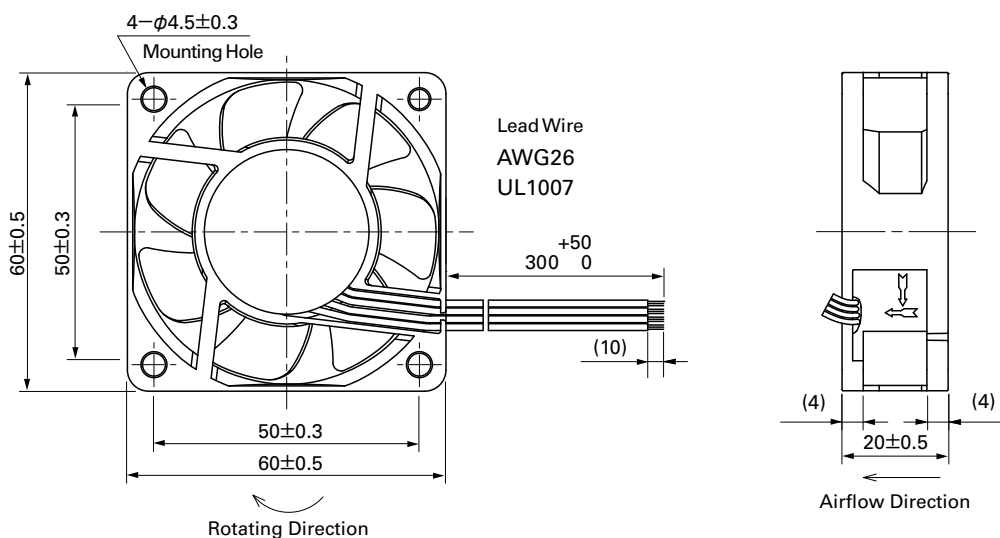
Note: Fan does not rotate when PWM duty cycle is 0%.

※PWM Frequency : 25kHz

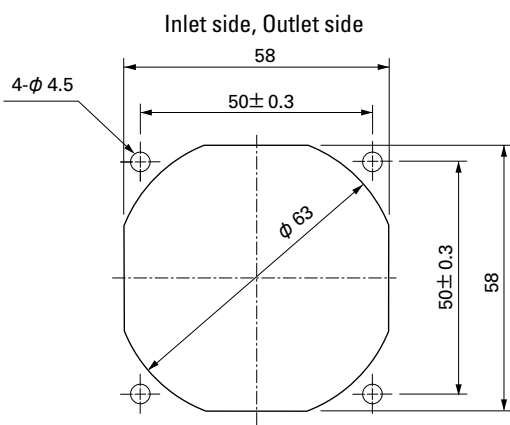
The following nos. **have pulse sensors and ribs.**

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Airflow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
9GA0612H6001	12	10.8 to 13.2	0.09	1.08	4,100	0.52 18.4	45 0.18	29	-20 to +70	60,000/60°C
9GA0612M6001			0.05	0.60	2,700	0.34 12.0	20 0.08	18		
9GA0624H6001	24	21.6 to 26.4	0.04	0.96	4,100	0.52 18.4	45 0.18	29		
9GA0624M6001			0.03	0.72	2,700	0.34 12.0	20 0.08	18		

Other sensor specifications are available as options. Please refer to the index (pp. 504 to 505).

Dimensions (unit: mm) (With PWM control function · With pulse sensor)

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



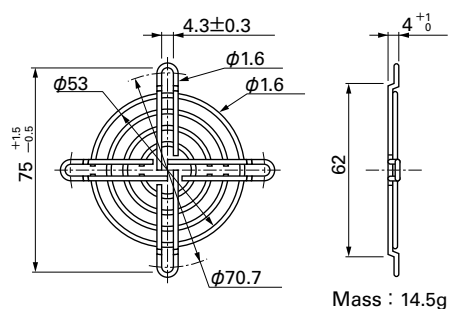
Options (unit: mm)

Finger Guards

Model : 109-139E Surface treatment : Nickel-chrome plating (silver)
 : 109-139H : Cation electropainting (black)

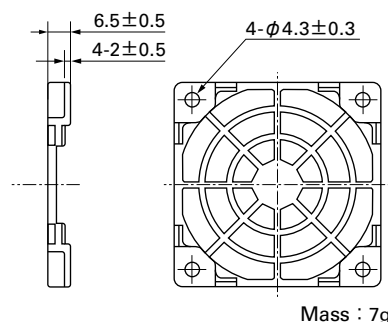
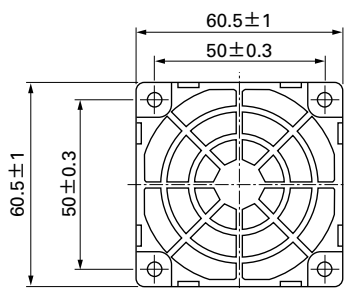
Color

Inlet side, Outlet side



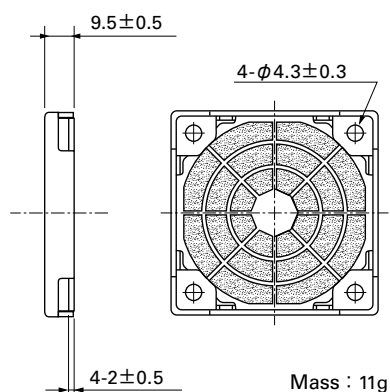
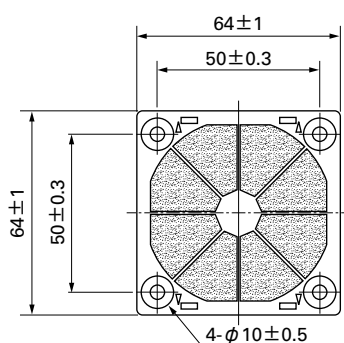
Resin Finger Guards

Model : 109-1003G



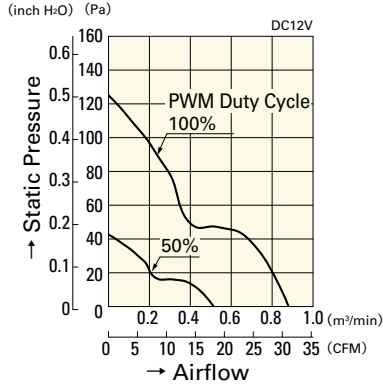
Resin Filter Kits

Model : 109-1003F13 (13PPI), 109-1003F20 (20PPI)
 : 109-1003F30 (30PPI), 109-1003F40 (40PPI)

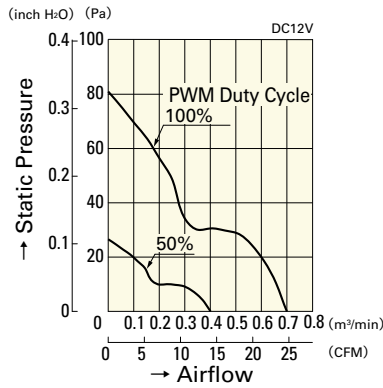


60mm sq.**San Ace 60****60×60×20mm** [Mass : 70g]**Airflow - Static Pressure Characteristics****PWM Duty Cycle**

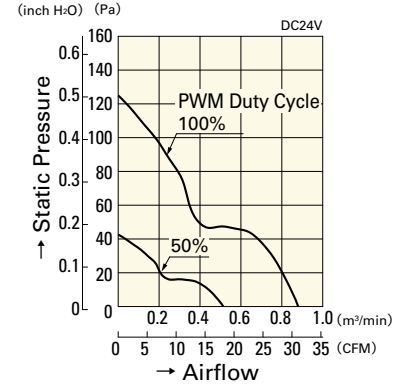
With PWM control function · With pulse sensor

**9GA0612P6G001**

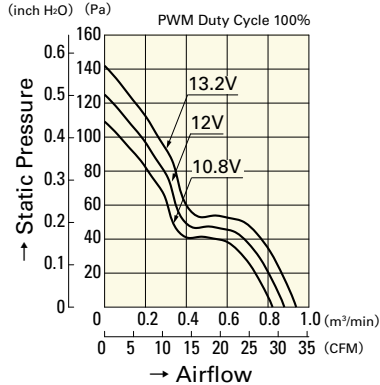
With PWM control function · With pulse sensor

**9GA0612P6S001**

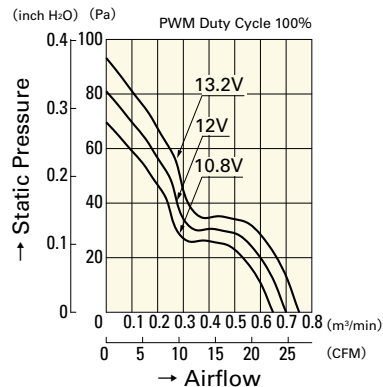
With PWM control function · With pulse sensor

**9GA0624P6G001****Operating Voltage Range**

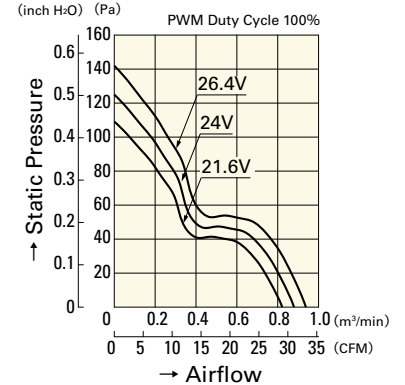
With PWM control function · With pulse sensor

**9GA0612P6G001**

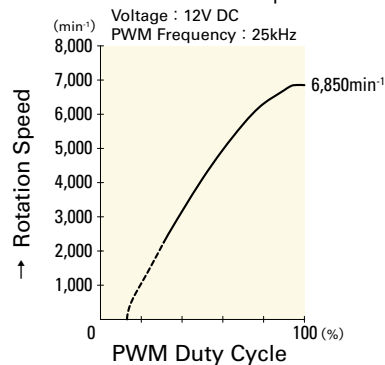
With PWM control function · With pulse sensor

**9GA0612P6S001**

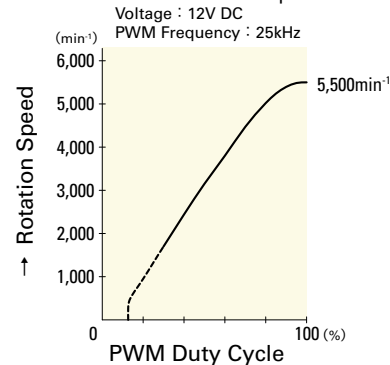
With PWM control function · With pulse sensor

**9GA0624P6G001****PWM Duty - Speed Characteristics Example**

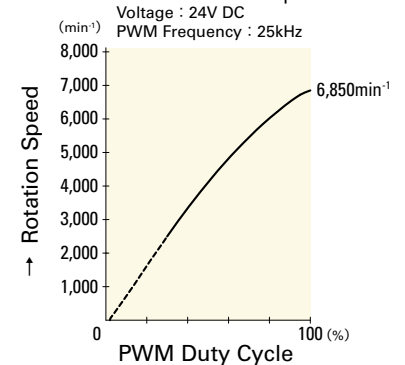
With PWM control function · With pulse sensor

**9GA0612P6G001**

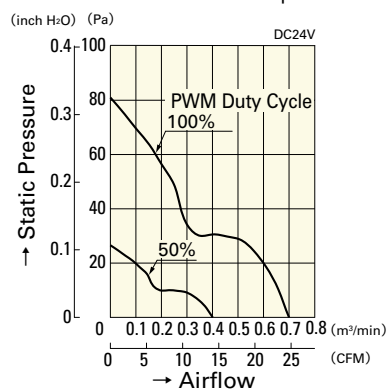
With PWM control function · With pulse sensor

**9GA0612P6S001**

With PWM control function · With pulse sensor

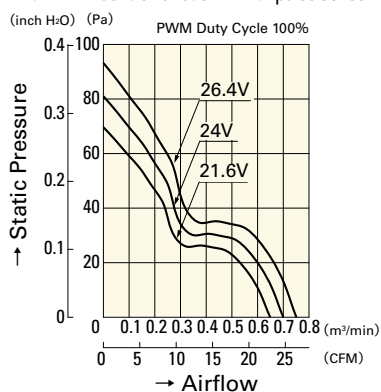
**9GA0624P6G001**

With PWM control function · With pulse sensor



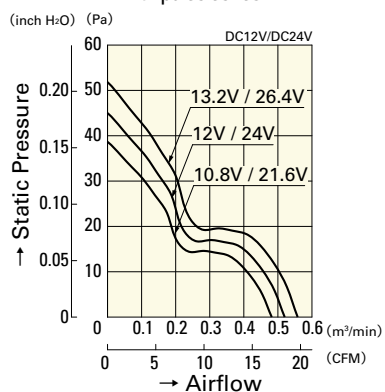
9GA0624P6S001

With PWM control function · With pulse sensor



9GA0624P6S001

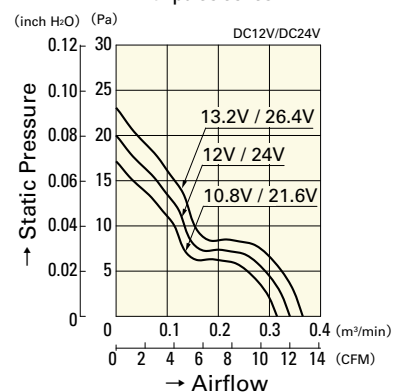
With pulse sensor



9GA0612H6001

9GA0624H6001

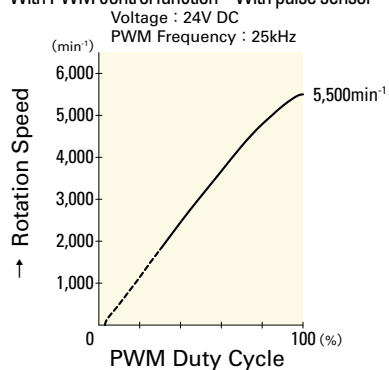
With pulse sensor



9GA0612M6001

9GA0624M6001

With PWM control function · With pulse sensor



9GA0624P6S001