

92mm sq.**San Ace 92**

25mm thick (GA type), 25mm thick (S type)
 25mm thick, 25mm thick (San Cooler)
 32mm thick (G type), 38mm thick (GA type)
 38mm thick (GV type), 38mm thick (G type)

**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
- Storage Temperature -30°C to +70°C (Non-condensing)

92×92×38mm [Mass : 240g] **GA type** **Low Power Consumption Fan****Specifications** The following nos. **have PWM controls, pulse sensors, and ribs.** For ribless, append "1" to the model no. (9GA0948P1H03 is with ribs only)

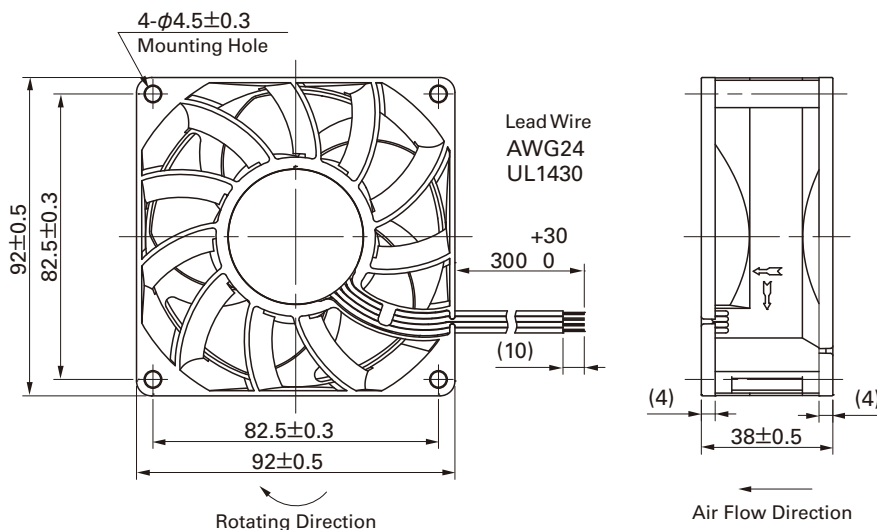
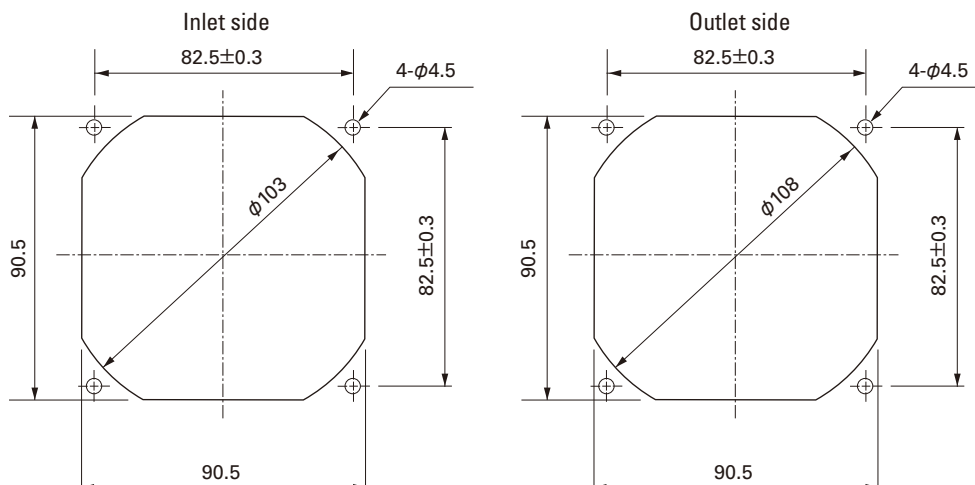
Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle* [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Air Flow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life ^(Note) [h]
9GA0912P1H03	12	10.2 to 13.8	100	2.10	25.2	9,700	4.00 141	500 2.01	63	-20 to +70	40,000/60°C (70,000/40°C)
			0	0.16	1.92	2,500	0.97 34.3	33.0 0.13	29		
9GA0948P1H03 (Note 1)	48	40.8 to 55.2	100	0.55	26.4	9,700	4.00 141	500 2.01	63		

Note 1: Rated voltage 48V fans do not rotate when PWM duty cycle is 0%.

Note 2: Expected life at 40°C ambient is just reference value.

※PWM Frequency : 25kHz

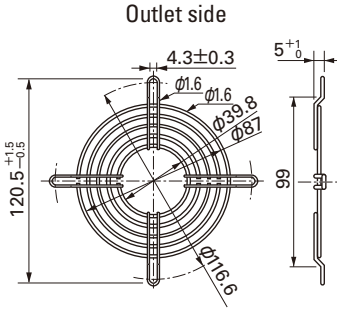
- Available options: ⇒ **Without Sensor** **Pulse Sensor**

Dimensions (Unit : mm) (With ribs)**Reference dimension of mounting holes and vent opening (Unit : mm)**

Options (Unit : mm)

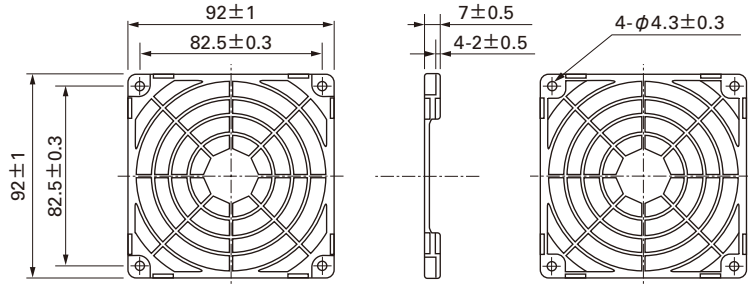
Finger guards

Model : 109-099C Color : Nickel-chrome plating (silver)



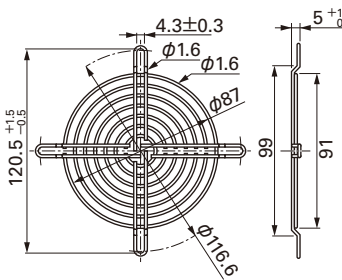
Resin finger guards

Model : 109-1001G



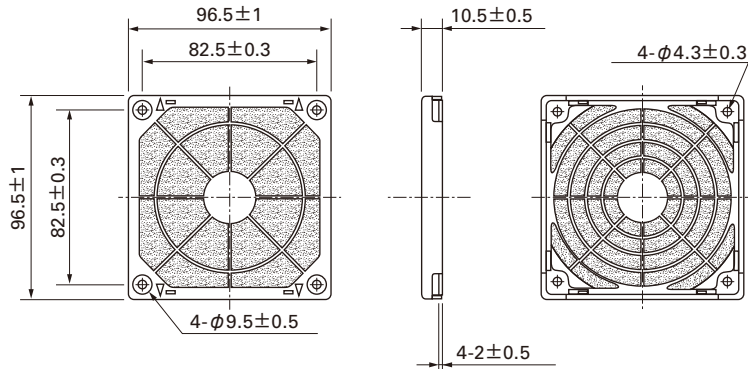
Model : 109-099E Surface treatment : Nickel-chrome plating (silver)
: 109-099H : Cation electropainting (black)

Inlet side, Outlet side



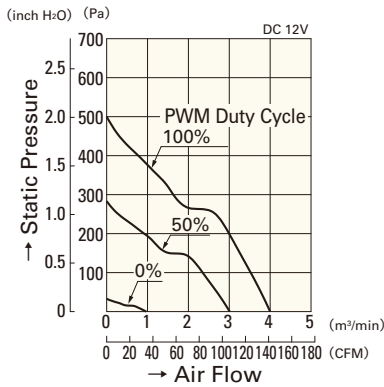
Resin filter kits

Model : 109-1001F13 (13PPI), 109-1001F20 (20PPI)
: 109-1001F30 (30PPI), 109-1001F40 (40PPI)



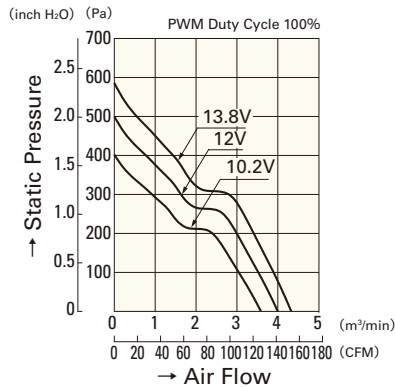
Air Flow - Static Pressure Characteristics

PWM Duty Cycle



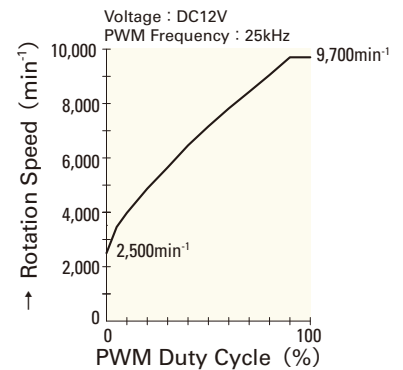
9GA0912P1H03

Operating Voltage Range

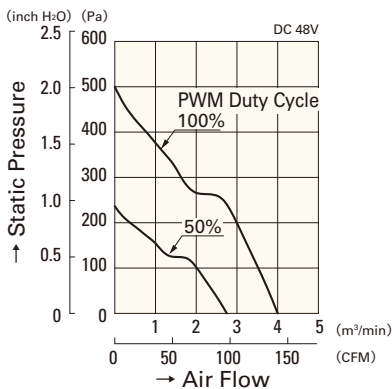


9GA0912P1H03

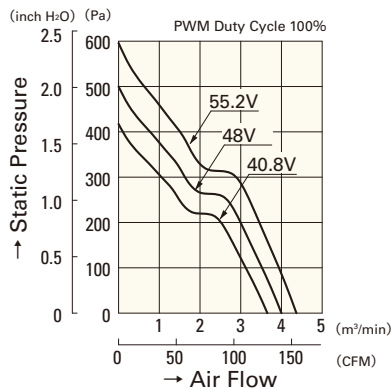
PWM Duty - Speed Characteristics Example



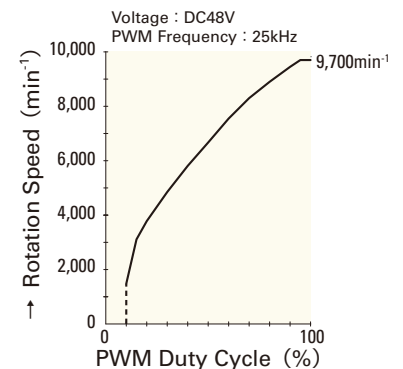
9GA0912P1H03



9GA0948P1H03



9GA0948P1H03



9GA0948P1H03