

40mm sq.**San Ace 40**

10mm thick, 15mm thick (GA type), 15mm thick,
20mm thick (GA type), 20mm thick
28mm thick (GA type), 28mm thick (GE type)
28mm thick (GV type), 28mm thick

**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) (With PWM control function) brown
- Storage Temperature -30°C to +70°C (Non-condensing)

40×40×15mm [Mass : 28g] **GA type** **High Air Flow 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. Air Flow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life ^{Note2)} [h]
9GA0412P7G001	12	10.2 to 13.8	100	0.17	2.04	13,100	0.36 12.7	192 0.77	42	-10 to +70	40,000/60°C (70,000/40°C)

Note 1: Fan does not rotate when PWM duty cycle is 0%.

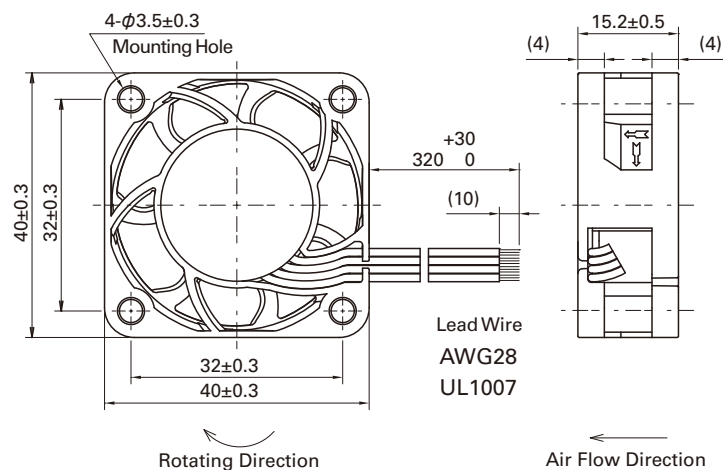
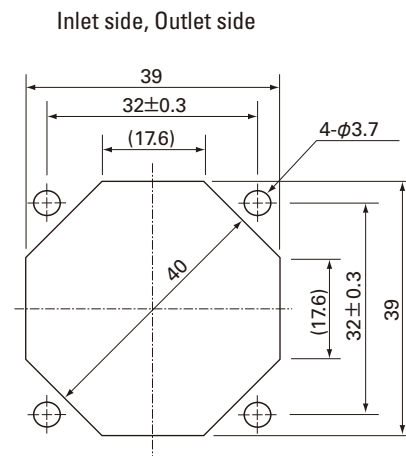
Note 2: Expected life at 40°C ambient is just reference value.

※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. Air Flow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life ^{Note1)} [h]
9GA0412G7001	12	7 to 13.8	0.17	2.04	13,100	0.36 12.7	192 0.77	42	-10 to +70	40,000/60°C (70,000/40°C)
9GA0412H7001			0.06	0.72	7,300	0.2 7.1	59.6 0.24	28		

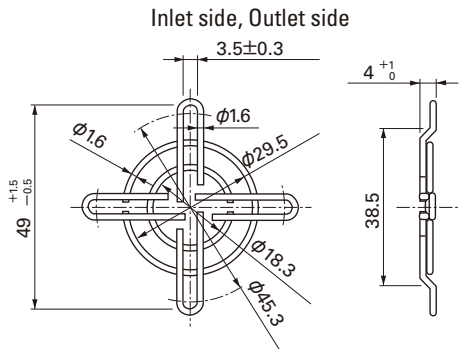
Note 1: Expected life at 40°C ambient is just reference value.

Available options: ⇒ **Without Sensor** **Lock Sensor**Please inquire as the availability of these functions depend on the model. ⇒ **PWM Control****Dimensions (Unit : mm)** (With PWM speed control function · With pulse sensor)**Reference dimension of mounting holes and vent opening (Unit : mm)**

Options (Unit : mm)

Finger guards

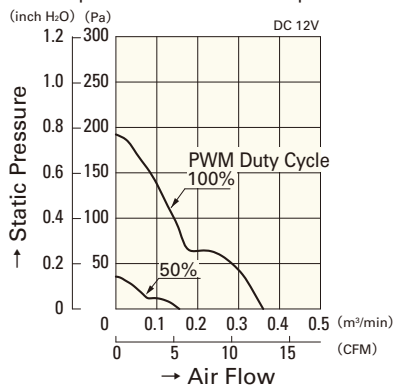
Model : 109-059 Surface treatment : Nickel-chrome plating (silver) Color



Air Flow - Static Pressure Characteristics

PWM Duty Cycle

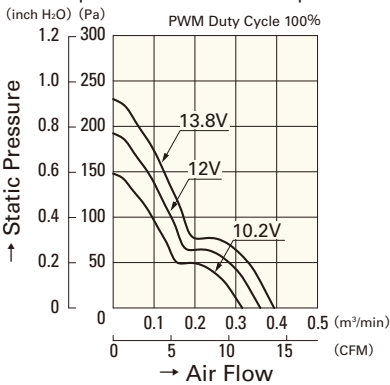
With PWM speed control function · With pulse sensor



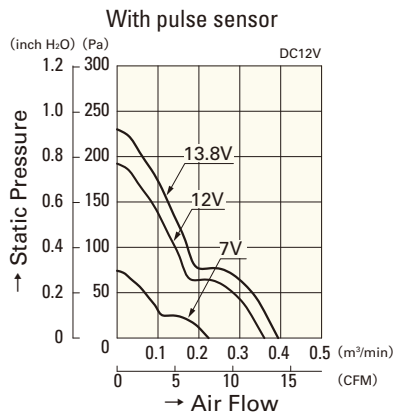
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Operating Voltage Range

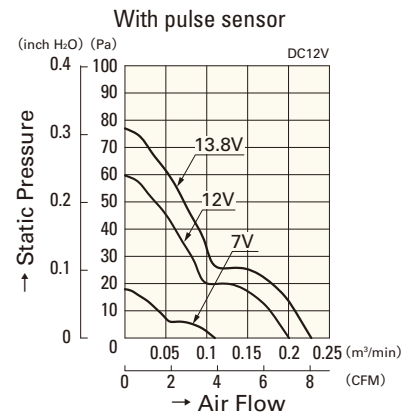
With PWM speed control function · With pulse sensor



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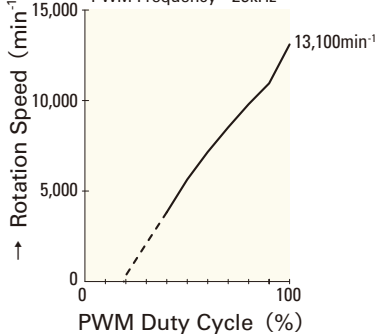


9GA0412H7001

PWM Duty - Speed Characteristics Example

With PWM speed control function · With pulse sensor

Voltage : 12V DC
PWM Frequency : 25kHz



9GA0412P7G001