

DC Fan

40 mm sq.

San Ace 40

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

General Specifications

With a pulse sensor

With PWM speed control function

- Material Frame: Aluminum, Impeller: Plastics (Flammability: UL94V-0)
- Life Expectancy Varies for each model (L10: Survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)
- Lead Wire \oplus red \ominus black \square Sensor yellow \square Control brown
- Storage Temperature -30°C to +70°C (Non-condensing)



40×40×28mm (Mass : 55g)

Low vibration GE type

Specifications

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle※ [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min⁻¹]	Air Flow [m³/min] [CFM]	Static Pressure [Pa] [inchH₂O]	SPL [dB(A)]	Operating Temperature [°C]	Life Expectancy [h]
9GE0412P3J03	12	10.8 to 13.2	100	0.65	7.8	15,000	0.69 24.4	343.0 1.378	56	-10 to +60	40,000

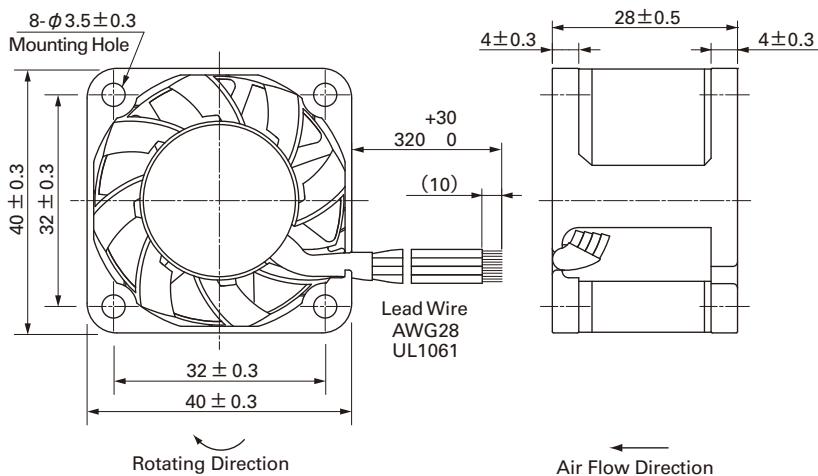
※PWM Frequency : 25kHz

Without Sensor Pulse Sensor PWM Control Available in all models.

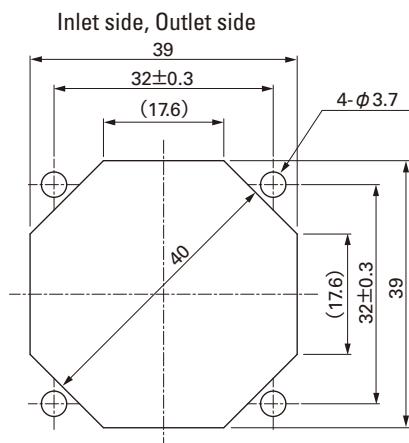
Lock Sensor

Please inquire as the availability of these functions depend on the model.

Dimensions (Unit : mm)



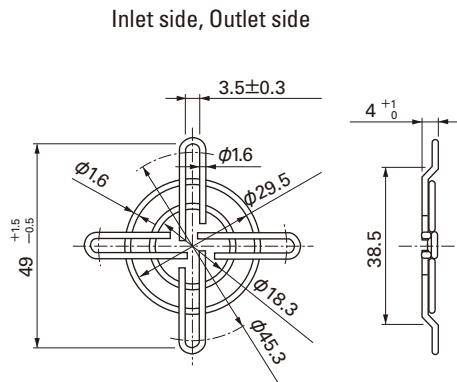
Reference dimension of mounting holes and vent opening (Unit : mm)



Options (Unit : mm)

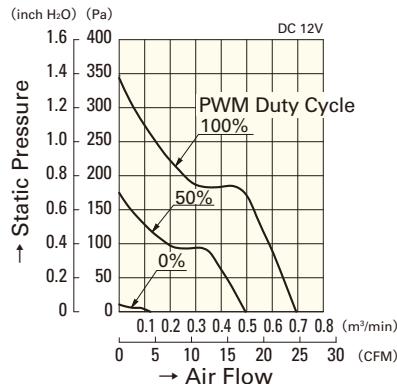
Finger guards

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



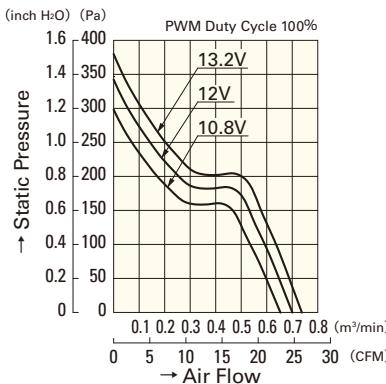
Air Flow and Static Pressure Characteristics

PWM Duty Cycle



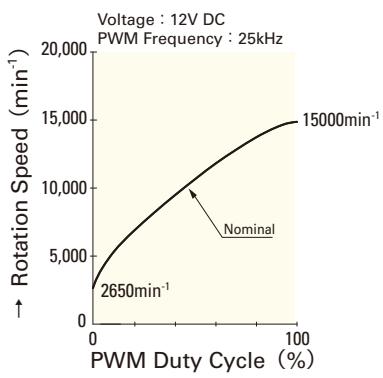
9GE0412P3J03

Operating Voltage Range



9GE0412P3J03

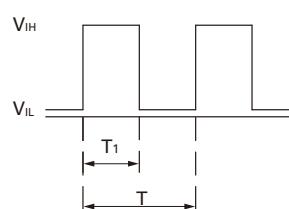
PWM Duty - Speed Characteristics Example



9GE0412P3J03

PWM Input Signal Example

Input Signal Wave Form

 $V_{IH}=2.8V \text{ to } 3.8V$ $V_{IL}=0V \text{ to } 0.4V$ PWM Duty Cycle (%) = $\frac{T_1}{T} \times 100$ PWM Frequency 25 (kHz) = $\frac{1}{T}$ Source Current (I_{source}) : 2mA Max. at control voltage 0VSink Current (I_{sink}) : 2mA Max. at control voltage 3.8V

Control Terminal Voltage : 3.8V Max. (Open Circuit)

When the control lead wire is no connecting, the speed is the same speed as at 100% of PWM duty cycle.

This fan speed should be controlled by PWM input signal of either TTL input or open collector, drain input.

Connection Schematic

