# 40×40×28 mm



# San Ace 40 9HV type 🛕 🖫 us

## General Specifications

· Material ...... Frame: Aluminum, Impeller: Plastic (Flammability: UL 94V-0)

Expected life at 40°C is for reference only.

· Motor protection function ...... Locked rotor burnout protection, Reverse polarity protection

For details, please refer to p. 580.

· Dielectric strength ...... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)

· Sound pressure level (SPL) ...... A-weighted sound pressure level (SPL) at 1 m away from the air inlet.

· Storage temperature ...... -30 to +70°C (Non-condensing)

· Lead wire ...... ⊕Red ⊝Black Sensor Yellow Control Brown

· Mass ..... 60 g

## Specifications

#### The models listed below have pulse sensors with PWM control function.

	Model no.	Rated voltage	Operating voltage range	PWM duty	Rated current	Rated input	Rated speed	Max. airflow		Max. static pressure		SPL	Operating temperature	Expected life
		[V]	[V]	cycle* [%]	[A]	[W]	[min <sup>-1</sup> ]	[m³/min]	[CFM]	[Pa]	[inchH <sub>2</sub> 0]	[dB (A)]	[°C]	[h]
<b>②</b>	9HV0412P3K001	12	10.8 to 12.6	100	1.52	18.3	25000	0.83	29.3	1100	4.42	65	-20 to +60	40000/60°C
				0	0.2	2.4	7500	0.25	8.8	99	0.4	37		(70000/40°C)

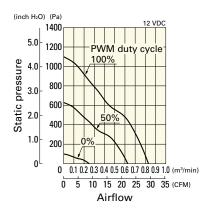
<sup>\*</sup> PWM frequency is 25 kHz. Models without ratings for 0% PWM duty cycle have zero speed at 0%. When control terminal is open, speed is the same as at 100% duty cycle.

Note: The Note: The mark indicates Short Lead Time Service applicable models. See p. 630 for details.

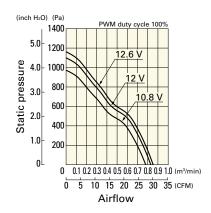
## Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

#### 9HV0412P3K001 With pulse sensor with PWM control function

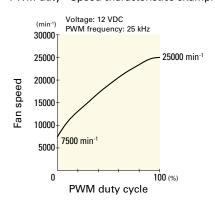
#### PWM duty cycle

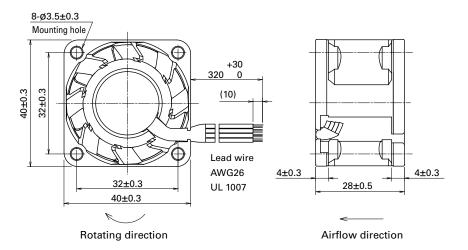


## Operating voltage range



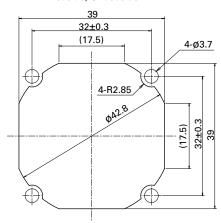
#### PWM duty - Speed characteristics example





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

Inlet side, Outlet side



# Options

Finger guards

page: p. 564

Model no.: 109-059, 109-059H