# 60×60×38 mm



# San Ace 60 9HV type 🛕 c 🖫 us

#### General Specifications

· Material ...... Frame: Plastic (Flammability: UL 94V-0), 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. 614. · 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)

#### • Mass ...... 135 g

#### Specifications

The models listed below have ribs and a pulse sensor with PWM control. For models without ribs, append "1" to the end of model numbers.

	Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]			Max. stat	ic pressure (inchH2O)	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]		
0	9HV0612P1J001	12	10.8 to 12.6	100	2.7	32.4	21700	1.88	66.4	1750	7.0	68	-20 to +70	40000/60°C
				20	0.17	2.04	5300	0.43	15.2	102	0.41	34		(70000/40°C)

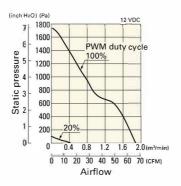
<sup>\*</sup> PWM frequency is 25 kHz. Models without ratings for 0 % PWM duty cycle have zero speed at 0%. When control terminal is open, speed is the same as at 100% duty cycle.

Note: The 😥 mark indicates Short Lead Time Service applicable models. See p. 668 for details.

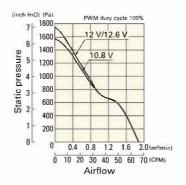
#### Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

#### 9HV0612P1J001 With pulse sensor with PWM control

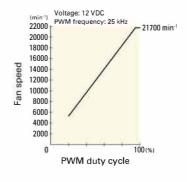
PWM duty cycle



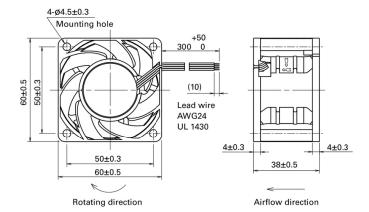
#### Operating voltage range



#### PWM duty - Speed characteristics example

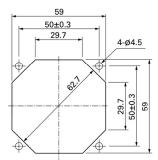


### Dimensions (unit: mm) (With ribs)



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

Inlet side, Outlet side



# Options

Finger guards page: p. 598 Resin finger guards

page: p. 605

Model no.: 109-139E, 109-139H Model no.: 109-1003G

Resin filter kits page: p. 606

Model no.: 109-1003F13 (13PPI), 109-1003F20 (20PPI), 109-1003F30 (30PPI), 109-1003F40 (40PPI)