

40×40×28 mm

San Ace 40 9GAX type Low Power Consumption Fan 



DC

DC Fan 40 mm sq.

General Specifications

- Material Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
- Expected life See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)
- Motor protection function Locked rotor burnout protection, Reverse polarity protection
For details, please refer to p. 547.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance 10 MΩ or more with a 500 VDC megger (between lead wire conductors and frame)
- 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 53 g

Specifications

The models listed below **have ribs and pulse sensors with PWM control function**. 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]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]	
9GAX0412P3S001**	12	10.8 to 12.6	100	1.3	15.6	25000	0.9	31.8	1000	4.02	64	-20 to +60	30000/60°	
			20	0.07	0.84	4400	0.155	5.5	32	0.125	21.5			
9GAX0412P3S003				100	1.3	15.6	25000	0.9	31.8	1000	4.02			64
			0	0.11	1.32	7800	0.26	9.2	87	0.35	38			
9GAX0412P3K001**		10.8 to 13.2	100	0.92	11.04	22000	0.81	28.6	800	3.21	61			
			20	0.07	0.84	4200	0.15	5.3	28	0.11	21			
9GAX0412P3K003				100	0.92	11.04	22000	0.81	28.6	800	3.21			61
			0	0.1	1.2	6500	0.24	8.5	70	0.28	32			

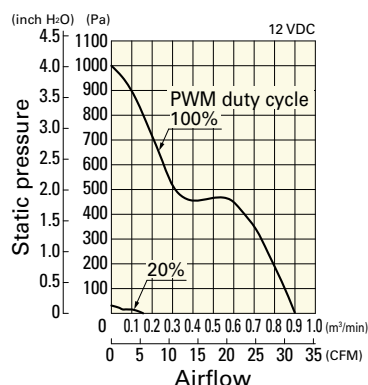
* PWM frequency: 25 kHz

** Fan does not rotate when PWM duty cycle is 0%.

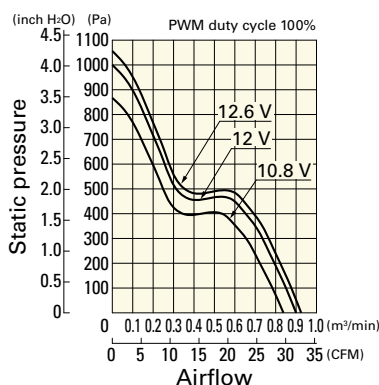
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GAX0412P3S001 With pulse sensor with PWM control function

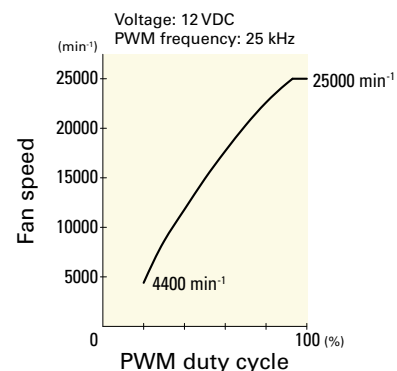
PWM duty cycle



Operating voltage range



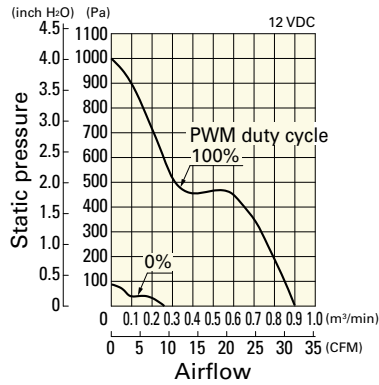
PWM duty - Speed characteristics example



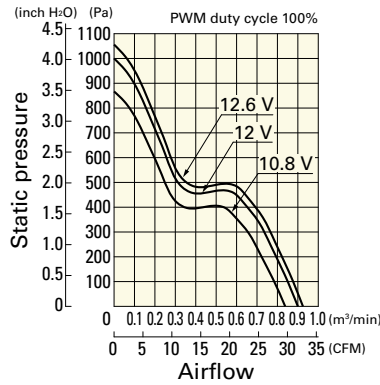
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GAX0412P3S003 With pulse sensor with PWM control function

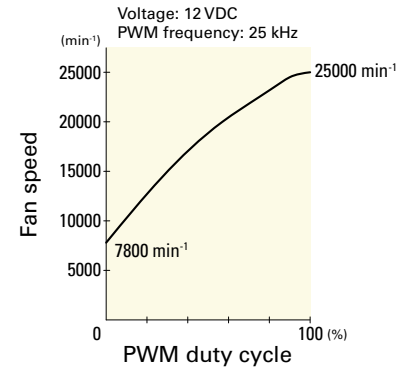
PWM duty cycle



Operating voltage range

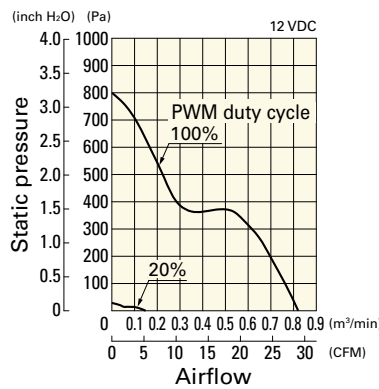


PWM duty - Speed characteristics example

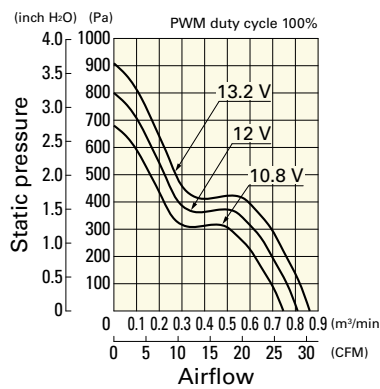


9GAX0412P3K001 With pulse sensor with PWM control function

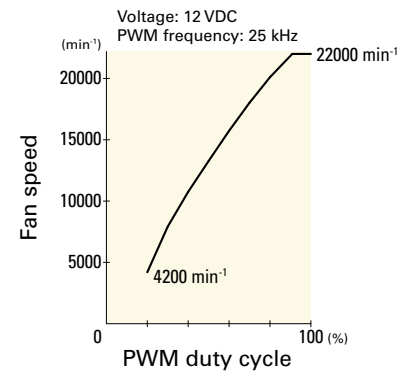
PWM duty cycle



Operating voltage range

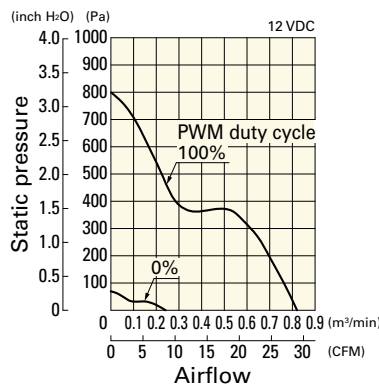


PWM duty - Speed characteristics example

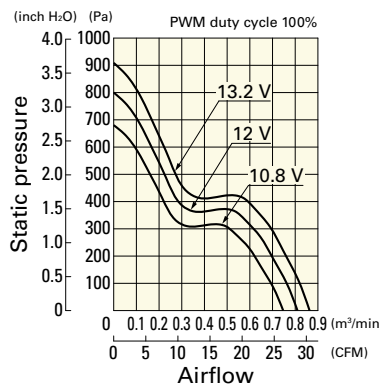


9GAX0412P3K003 With pulse sensor with PWM control function

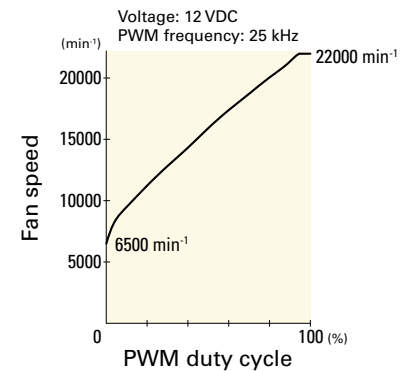
PWM duty cycle

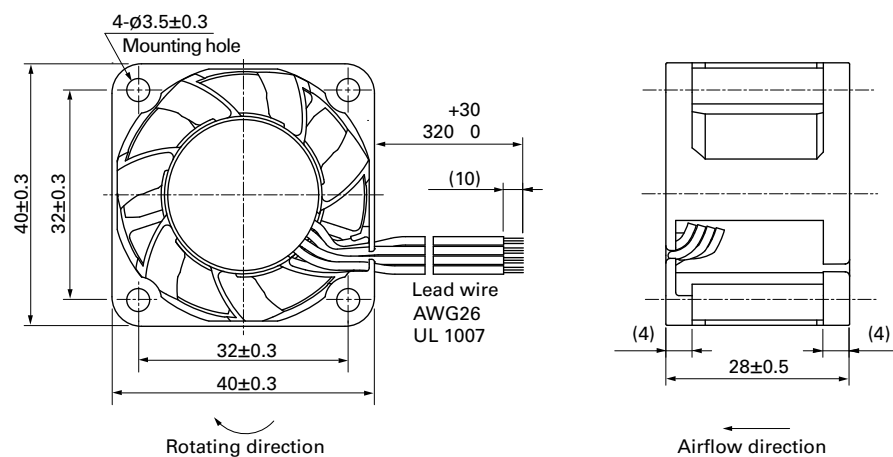
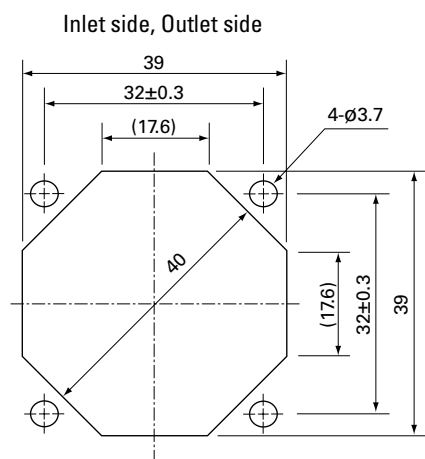


Operating voltage range



PWM duty - Speed characteristics example



Dimensions (unit: mm) (With ribs)**Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)****Options**

Finger guards

page: p. 532

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Sanyo Denki:

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[9GAX0412P3S0011](#) [9GAX0412P3K0031](#) [9GAX0412P3K0011](#)