

40mm sq.**San Ace 40**

20mm thick (GA type), 28mm thick (GA type)



■ **General Specifications** **With a pulse sensor** Specifications for pulse sensors ⇨ Refer to Page 297

With PWM speed control function ⇨ Refer to Page 299

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

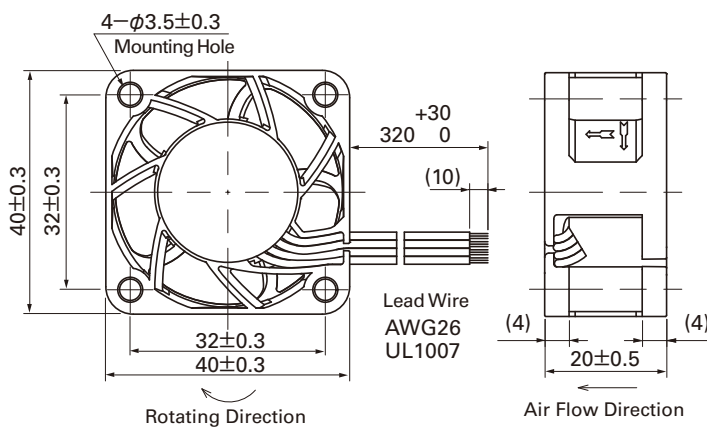
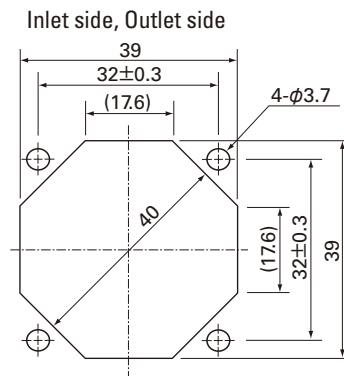
40×40×20mm (Mass : 35g)**GA type****High air flow**■ **Specifications**

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle* [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Air Flow [m³/min] [CFM]		Max. Static Pressure [Pa] [inchH ₂ O]		SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]		
9GA0405P6H001 ^(Note)	5	4.5 to 5.5	100	0.35	1.75	12,400	0.33	11.7	191	0.77	40	-10 to +70	40,000		
9GA0405P6F001 ^(Note)			100	0.18	0.9	8,000	0.21	7.4	79.5	0.32	28		60,000		
9GA0412P6G001	12	10.2 to 13.8	100	0.23	2.76	16,000	0.42	14.8	318	1.28	47		40,000		
			0	0.04	0.48	3,800	0.10	3.5	17.9	0.07	14		60,000		
9GA0412P6H001			100	0.14	1.68	12,400	0.33	11.7	191	0.77	40			60,000	
			0	0.04	0.48	3,800	0.10	3.5	17.9	0.07	14				60,000
9GA0412P6F001			100	0.08	0.96	8,000	0.21	7.4	79.5	0.32	28				
			0	0.03	0.36	2,200	0.06	2.1	6.0	0.02	10		60,000		
9GA0424P6G001 ^(Note)	24	20.4 to 27.6	100	0.13	3.12	16,000	0.42	14.8	318	1.28	47			40,000	
9GA0424P6H001 ^(Note)			100	0.08	1.92	12,400	0.33	11.7	191	0.77	40			60,000	
9GA0424P6F001 ^(Note)			100	0.04	0.96	8,000	0.21	7.4	79.5	0.32	28				

Note: Rated voltage 5V and 24V fans do not rotate when PWM duty cycle is 0%.

※PWM Frequency : 25kHz

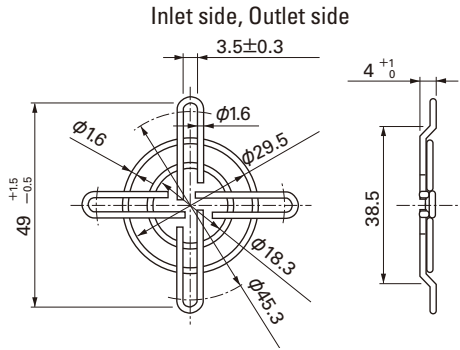
Without Sensor **Pulse Sensor** **PWM Control** Available in all models.

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

Options (Unit : mm)

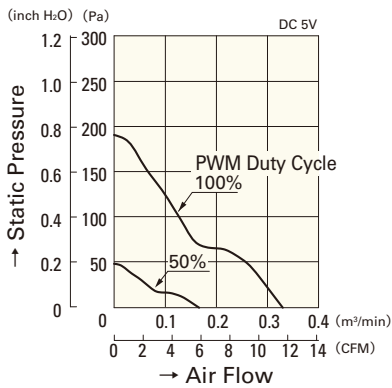
Finger guards

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

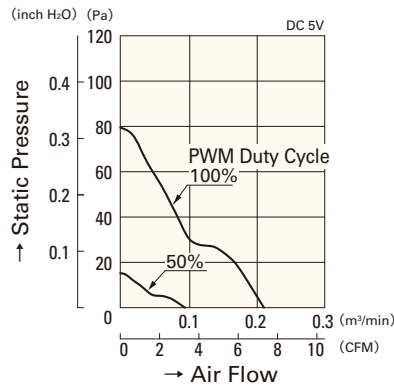


Air Flow - Static Pressure Characteristics

PWM Duty Cycle

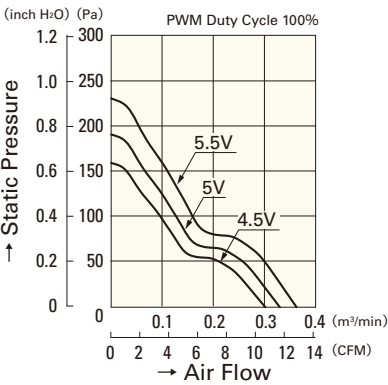


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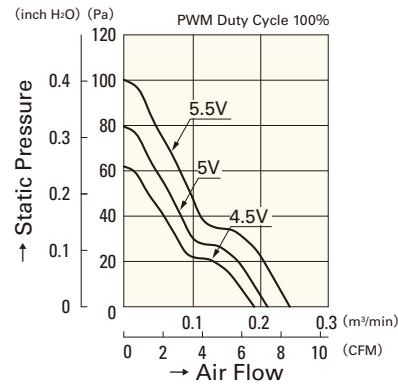


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Operating Voltage Range

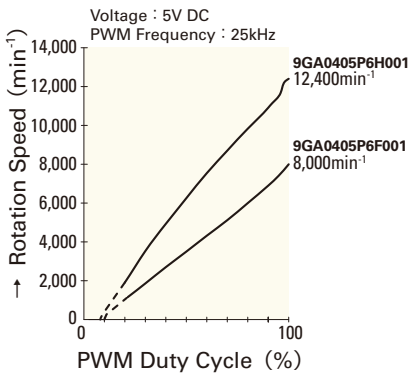


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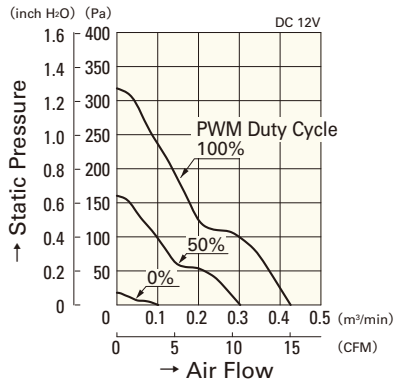
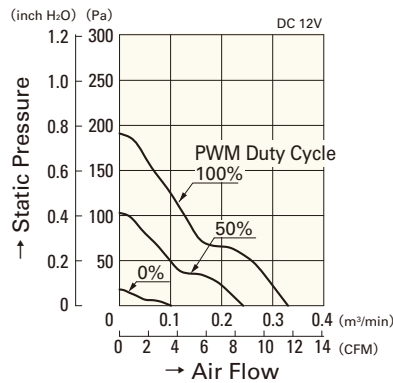
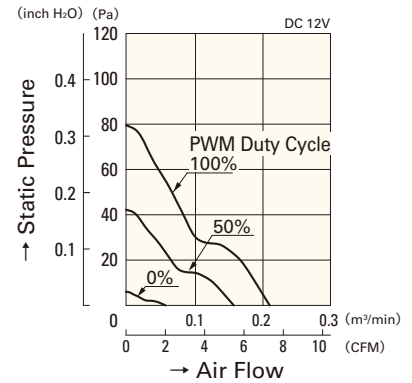
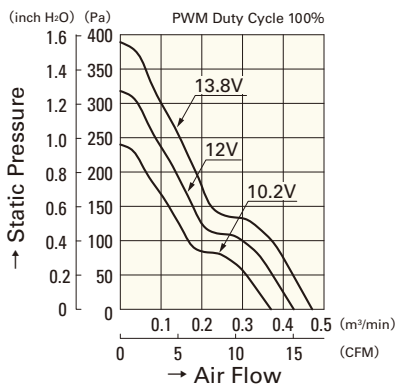
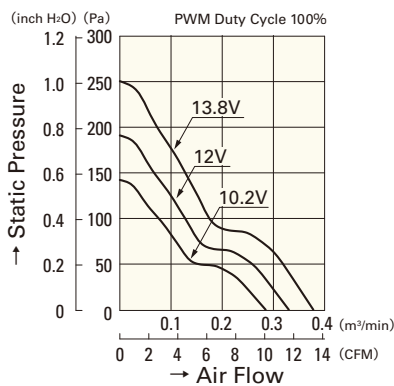
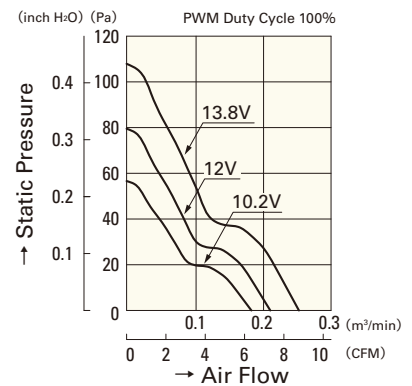
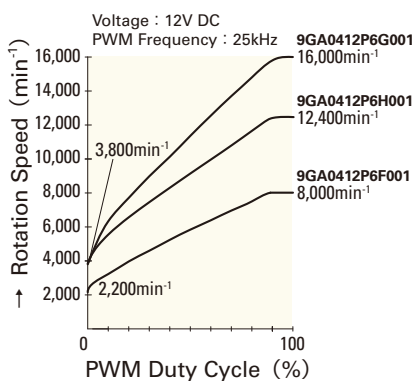
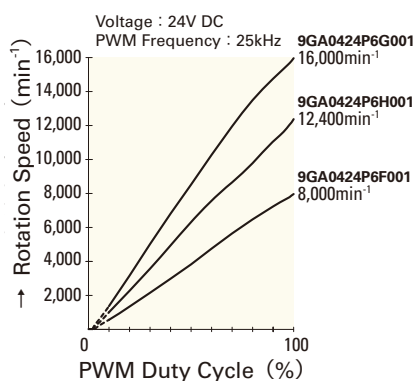
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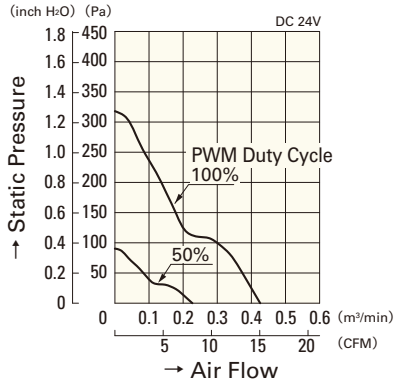
PWM Duty - Speed Characteristics Example



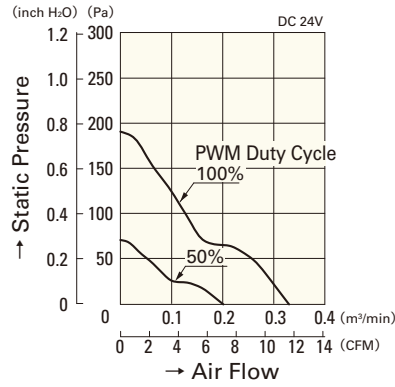
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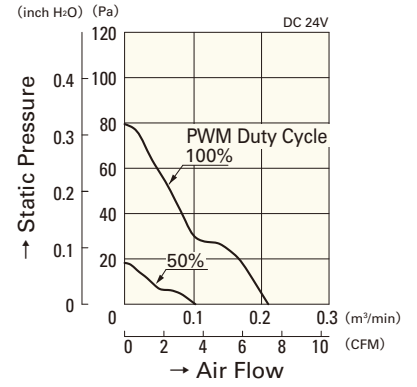
40mm sq.**San Ace 40****40×40×20mm** [Mass : 35g]**Air Flow - Static Pressure Characteristics****PWM Duty Cycle****9GA0412P6G001****9GA0412P6H001****9GA0412P6F001****Operating Voltage Range****9GA0412P6G001****9GA0412P6H001****9GA0412P6F001****PWM Duty - Speed Characteristics Example****9GA0412P6G001****9GA0412P6H001****9GA0412P6F001****9GA0424P6G001****9GA0424P6H001****9GA0424P6F001**



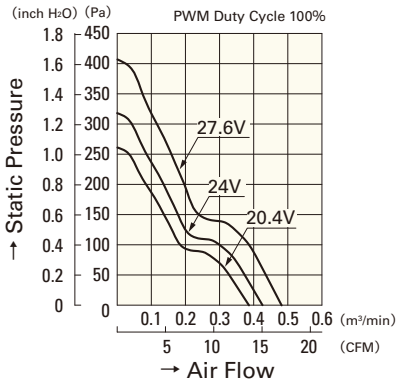
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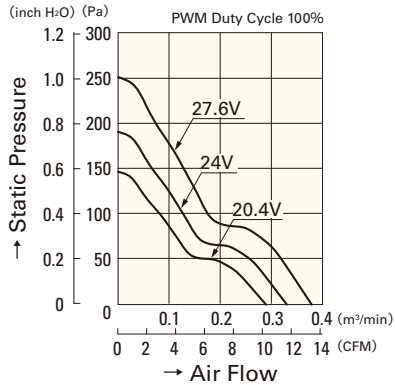
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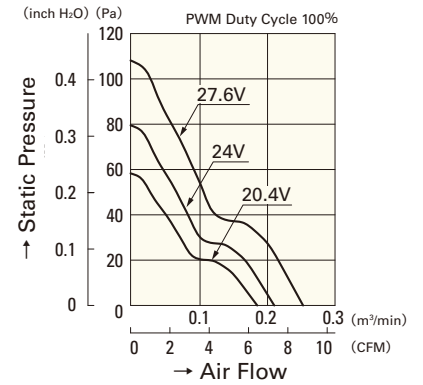
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9GA0424P6G001



9GA0424P6H001



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