

60mm sq.

San Ace 60

15mm thick, 20mm thick, 25mm thick (G type)
 25mm thick, 25mm thick (San Cooler)
 38mm thick (GV type), 38mm thick (G type)



General Specifications With a pulse sensor Specifications for pulse sensors ⇨ Refer to Page 309

With PWM speed control function ⇨ Refer to Page 311

- Material Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-1)
- 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)

60×60×38mm [Mass : 130g]**GV type**

Specifications To order a ribless type, replace the last digits of a model number with digits in parenthesis.

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 [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature Range [°C]	Expected Life [h]
9GV0612P1G03(031)	12	8.0 to 13.8	100	2.8	33.6	16,000	2.37 84	751 3.02	66	-10 to +70	40,000
			0	0.12	1.5	3,100	0.44 15	26 0.10	25		
9GV0612P1H03(031)			100	2.0	24.0	14,500	2.15 76	617 2.48	63		
			0	0.1	1.2	2,700	0.40 14	21 0.09	22		
9GV0612P1M03(031)	12	8.0 to 13.8	100	1.5	18.0	13,000	1.93 68	496 1.99	60		
			0	0.08	1.0	2,500	0.38 13	18 0.07	19		
9GV0612P1L01(011) (Note)		10.8 to 13.8	100	0.7	8.4	10,000	1.49 52.6	293 1.17	52		
9GV0624P1G03(031)	24	20.4 to 27.6	100	1.4	33.6	16,000	2.37 84	751 3.02	66		
			0	0.12	2.88	6,000	0.89 31	105 0.42	38		
9GV0648P1H03(031)	48	38 to 57	100	0.5	24	14,500	2.15 76	617 2.48	63		
			0	0.08	3.84	6,000	0.89 31	105 0.42	38		

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

※PWM Frequency : 25kHz

Without Sensor

Pulse Sensor

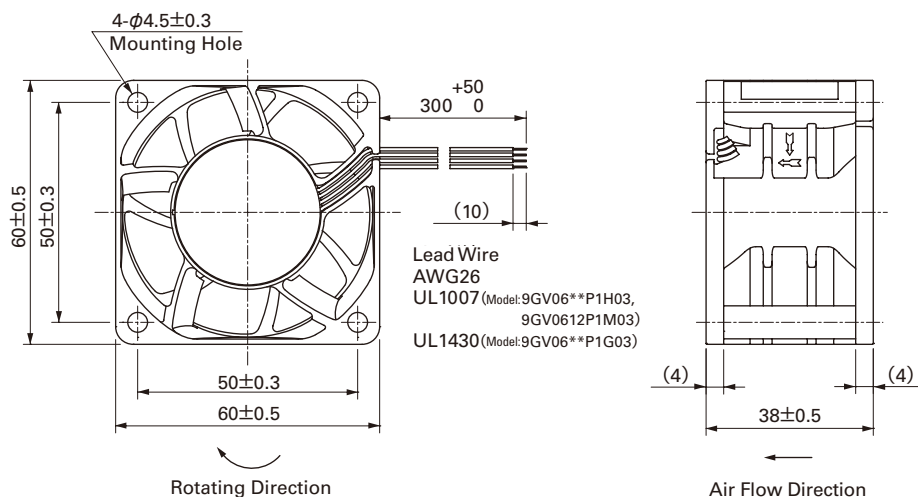
PWM Control

Available upon request for all the models above.

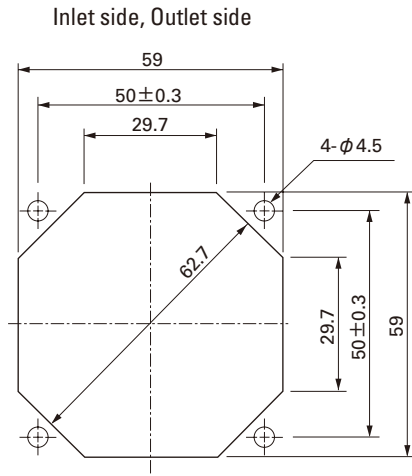
Lock Sensor

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

Dimensions (Unit : mm) (With ribs)



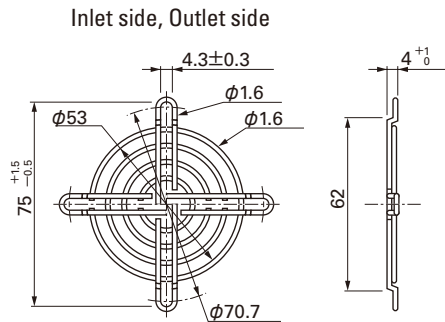
Reference dimension of mounting holes and vent opening (Unit : mm)



Options (Unit : mm)

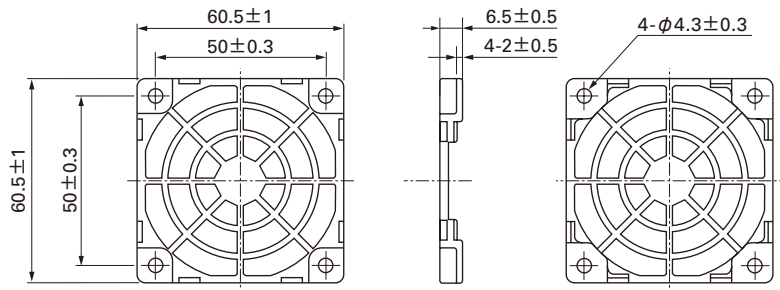
Finger guards

Model : 109-139E Surface treatment : Nickel-chrome plating (silver) Color : 109-139H : Cation electropainting (black)



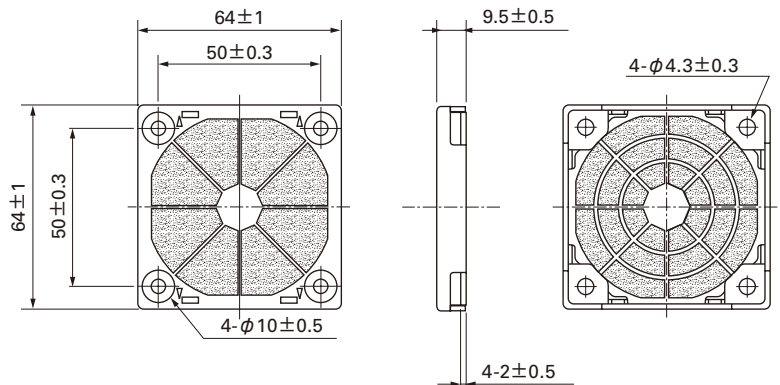
Resin finger guards

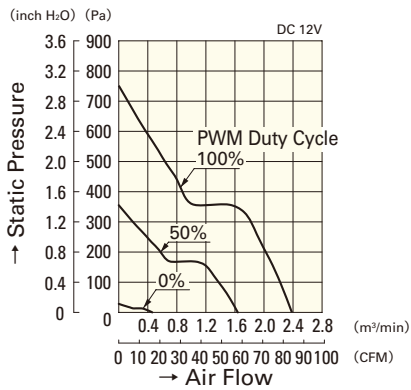
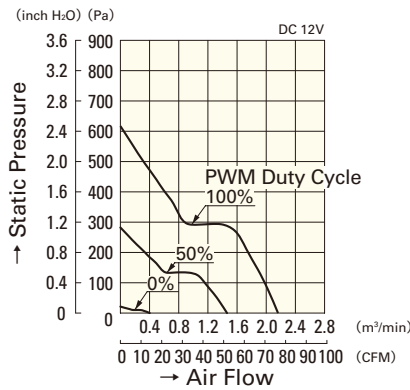
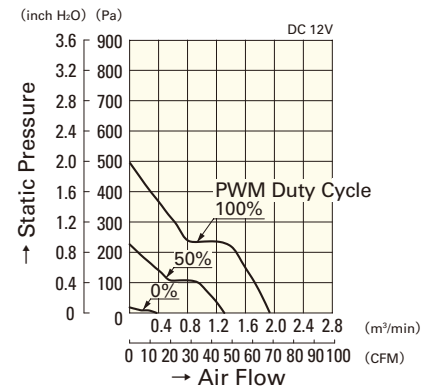
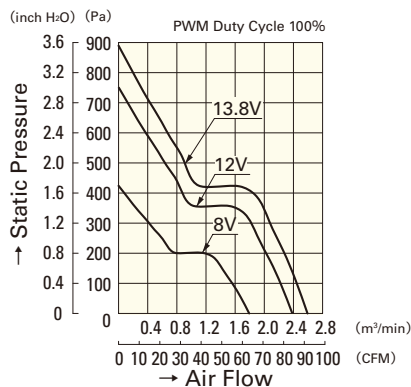
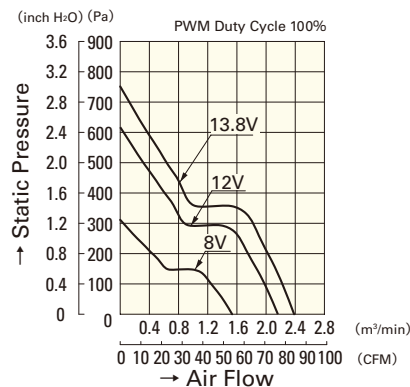
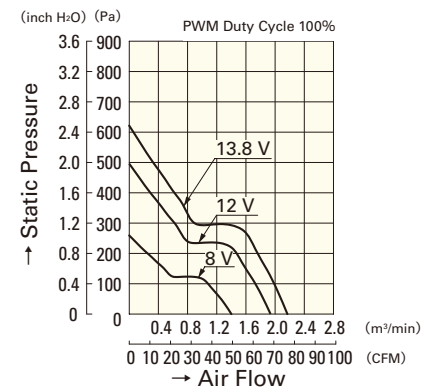
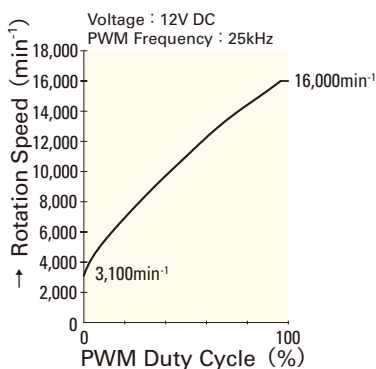
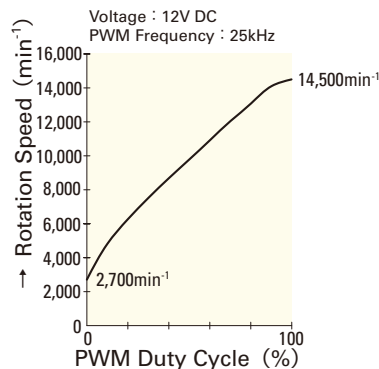
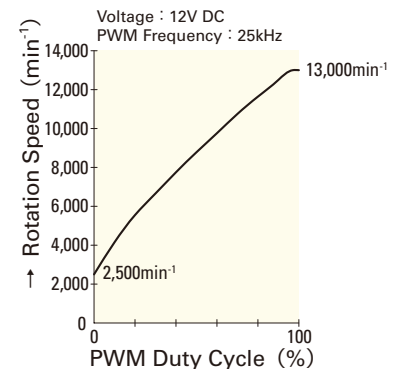
Model : 109-1003G

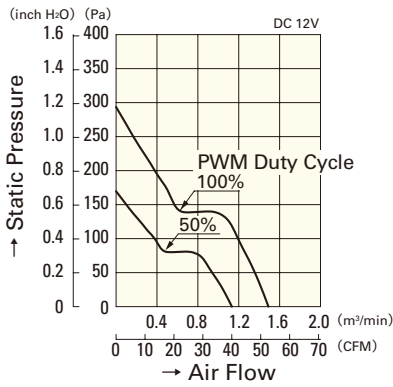


Resin filter kits

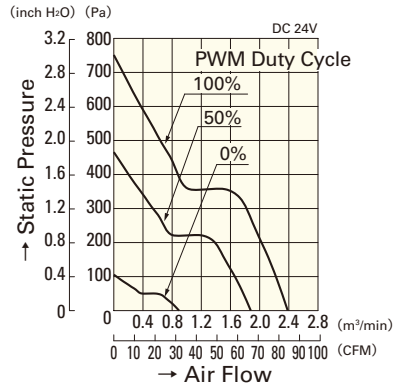
Model : 109-1003F13 (13PPI), 109-1003F20 (20PPI)
: 109-1003F30 (30PPI), 109-1003F40 (40PPI)



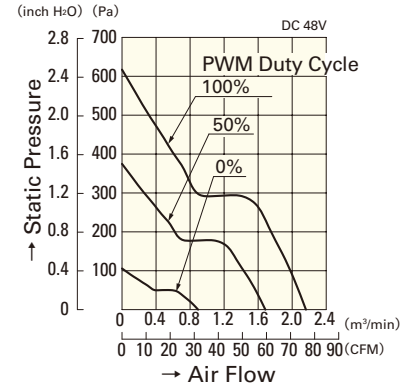
60mm sq.**San Ace 60****60×60×38mm** [Mass : 130g]**Air Flow - Static Pressure Characteristics****PWM Duty Cycle****9GV0612P1G03(031)****9GV0612P1H03(031)****9GV0612P1M03(031)****Operating Voltage Range****9GV0612P1G03(031)****9GV0612P1H03(031)****9GV0612P1M03(031)****PWM Duty - Speed Characteristics Example****9GV0612P1G03(031)****9GV0612P1H03(031)****9GV0612P1M03(031)**



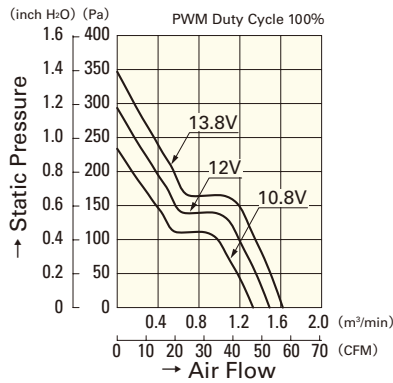
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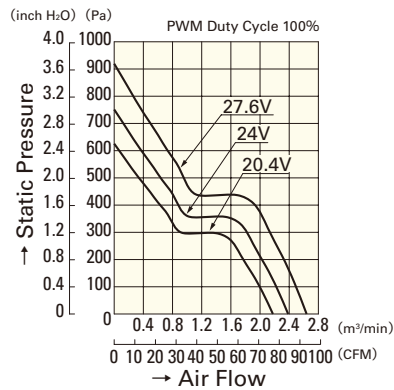
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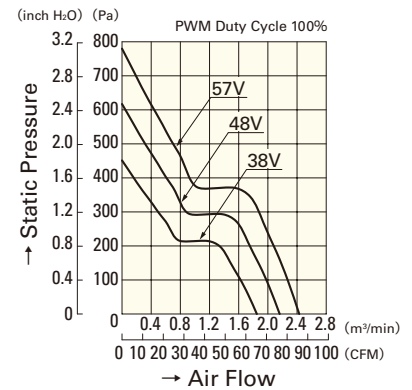
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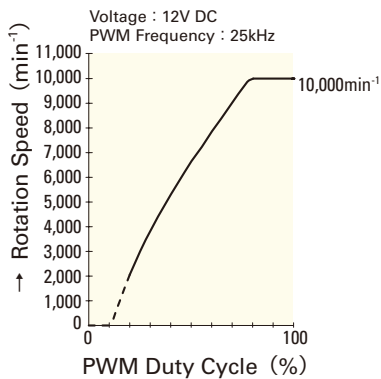
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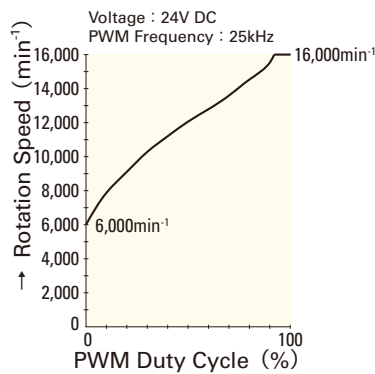
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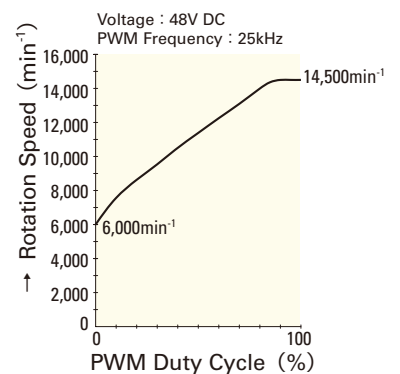
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9GV0612P1L01(011)



9GV0624P1G03(031)



9GV0648P1H03(031)