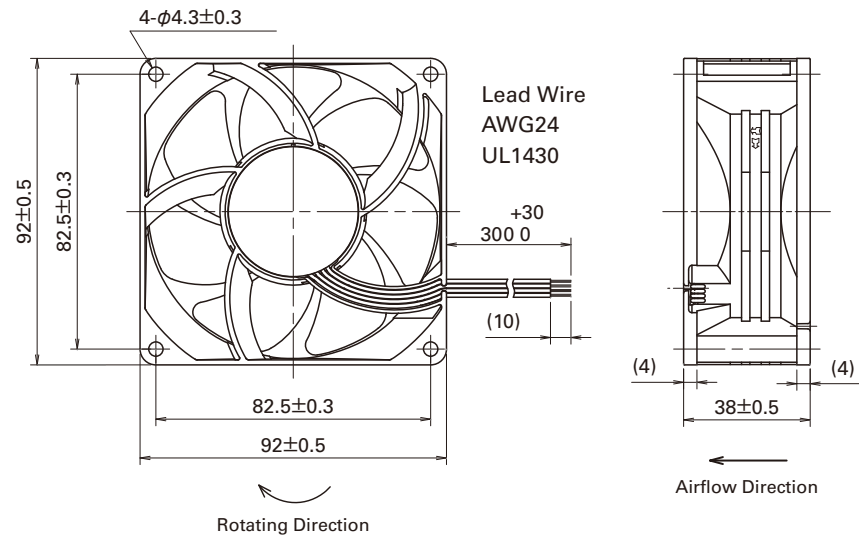


Dimensions (unit : mm)



# San Ace 92 GV type

Features

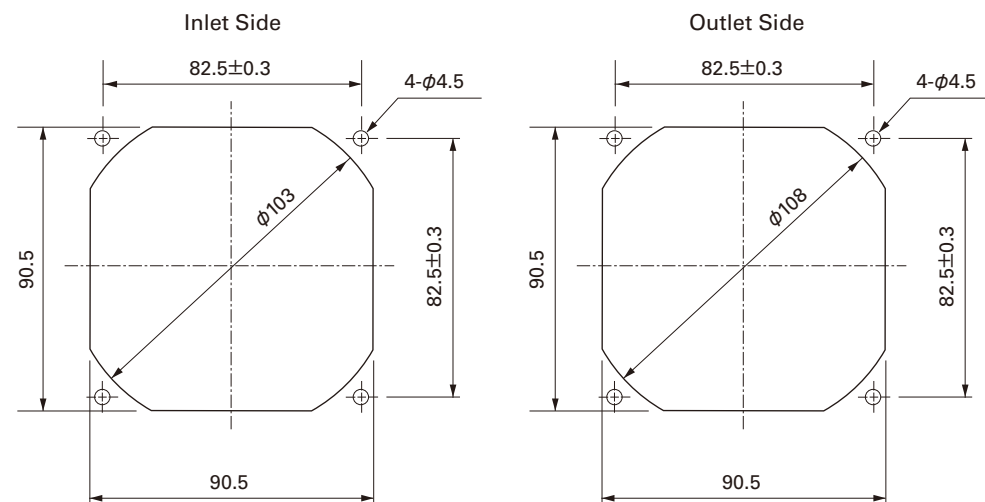
Large Air Flow

Maximum airflow is increased by approx. 73% compared with our conventional product\*.

\* Our conventional product is the DC cooling fan : 92 mm square x 38 mm thick fan "San Ace 92" (9G0912G102)



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



## 92mm square x 38mm thick

Specifications

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	PWM duty cycle* (%)	Rated Current (A)	Rated Input (W)	Rated Speed (min <sup>-1</sup> )	Air Flow (m <sup>3</sup> /min) (CFM)	Static Pressure (Pa) (inchH <sub>2</sub> O)	SPL (dB[A])	Operating Temperature Range (°C)	Life Expectancy (h)
9GV0912P1G03 (031)	12	10.8 to 13.2	100	4.10	49.2	9,000	5.35 189.0	430.0 1.73	68	-10 to +70	40,000
			0	0.33	4.0	2,900	1.72 60.8	44.6 0.18	37		
9GV0912P1H03 (031)	12	10.2 to 13.8	100	3.50	42.0	8,500	5.05 178.0	385.0 1.55	64		
			0	0.29	3.5	2,700	1.60 56.5	38.8 0.16	34		
9GV0948P1H03 (031)	48	40.8 to 55.2	100	0.82	39.4	8,500	5.05 178.0	385.0 1.55	64		
			0	0.14	6.7	4,000	2.37 83.7	85.2 0.34	45		

The numbers in ( ) represent ribless models.

※PWM Frequency:25kHz

Common Specifications

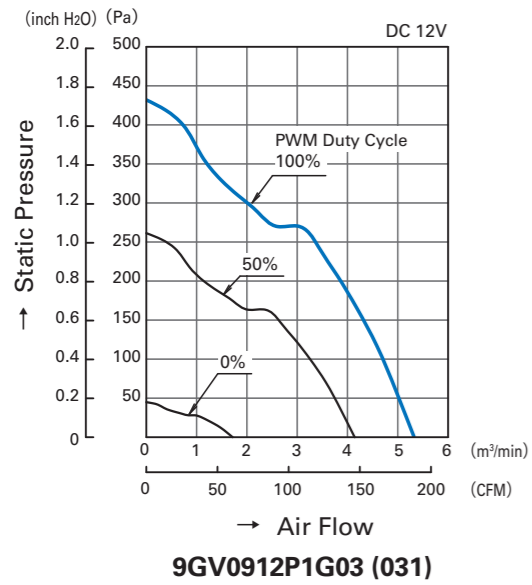
- Material ..... Frame: Plastics (Flammability: UL94V-0) , Impeller: Plastics (Flammability: UL94V-1)
- Life Expectancy ..... Varies for each model  
(L10: Survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)
- Motor Protection System ..... Current blocking function and Reverse polarity protection
- Dielectric Strength ..... 50/60 Hz, 500VAC, 1 minute (between lead conductor and frame)
- Sound Pressure Level (SPL) ..... Expressed as the value at 1m from air inlet side
- Operating Temperature Range ..... Varies for each model (Non-condensing)
- Lead Wire ..... ⊕red ⊖black Sensor: yellow Control: brown
- Mass ..... 250g

Notice

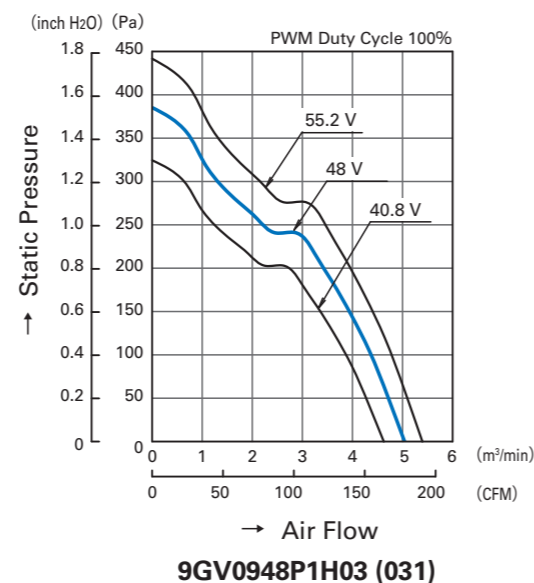
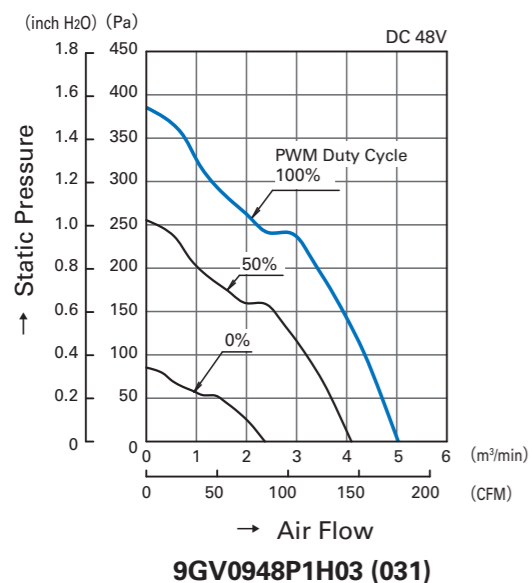
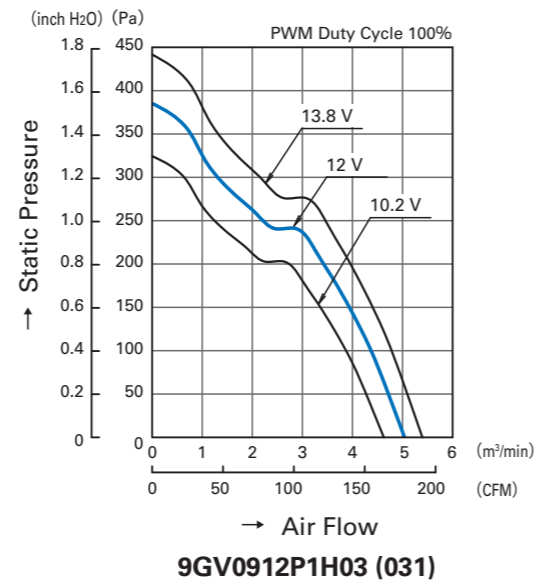
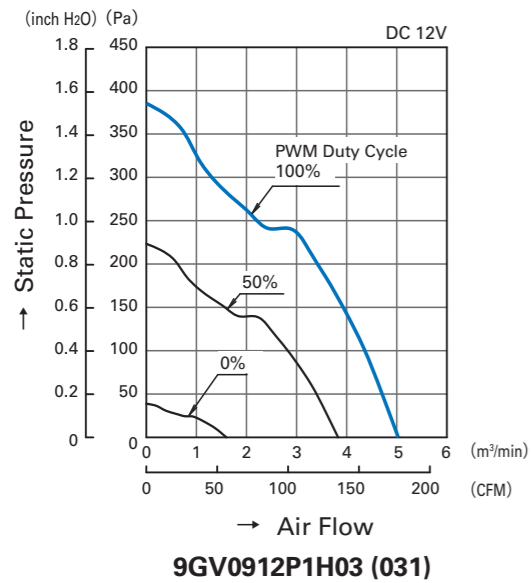
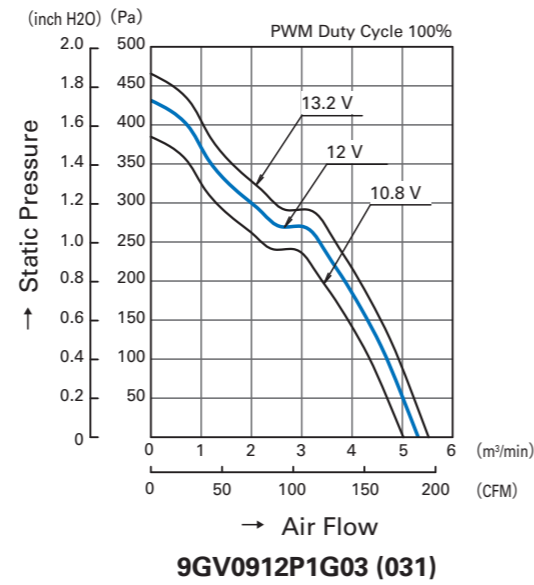
- The products shown in the catalog are subject to Japanese Export Control Law. Diversion contrary to the law of exporting country is prohibited.
- To protect against electrolytic corrosion that may occur in locations with strong electromagnetic noise, we provide fans that are unaffected by electrolytic corrosion.

## Air Flow and Static Pressure Characteristics

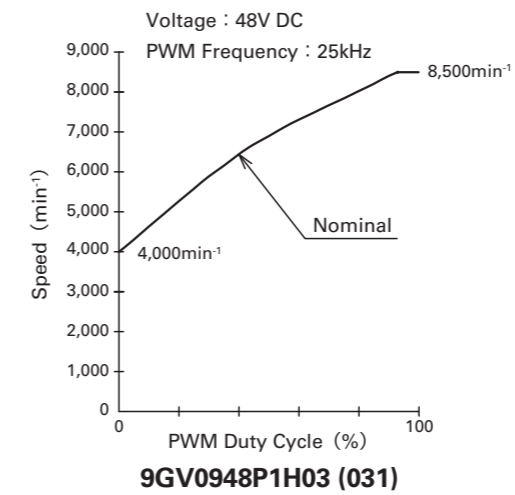
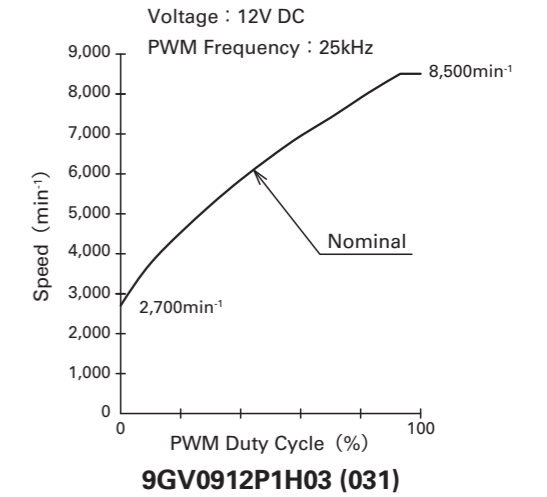
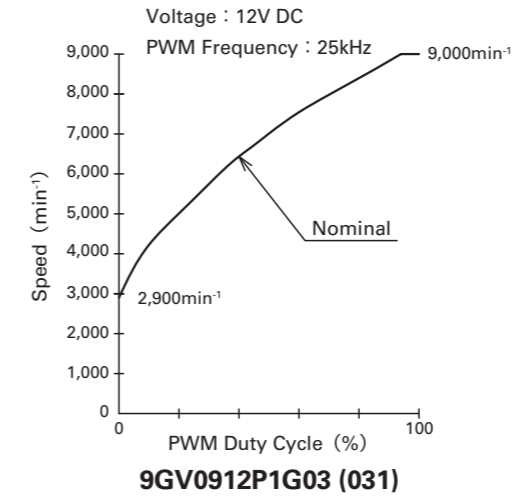
### • PWM Duty Cycle



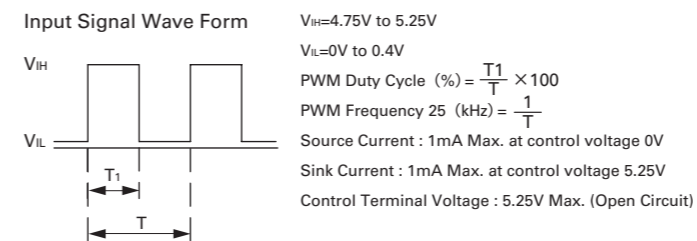
### • Operating Voltage Range



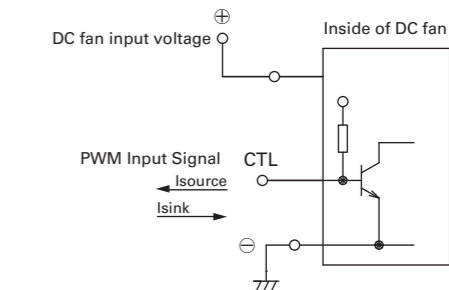
## PWM Duty - Speed Characteristics Example



## PWM Input Signal Example

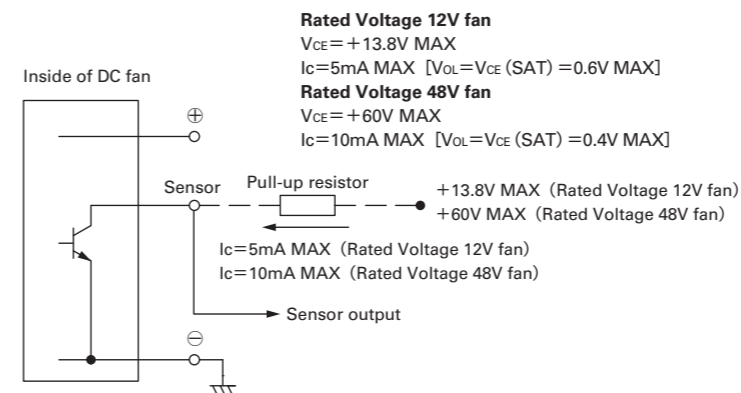


## Connection Schematic



## Specifications for Pulse Sensors

Output circuit : Open collector



Output waveform (Need pull-up resistor)

