



**THE DATASHEET OF**  
**9GA0924P4J03**



# 92x92x25 mm

## San Ace 92 9GA type Low Power Consumption Fan



### 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  
(For models without PWM control function, there is no speed control wiring.)
- Mass ..... 125 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 <sup>-1</sup> ]	Max. airflow [m <sup>3</sup> /min] [CFM]		Max. static pressure [Pa] [inchH <sub>2</sub> O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9GA0912P4J03	12	10.2 to 13.8	100	0.39	4.68	5000	2.2	77.7	105	0.42	43	-20 to +70	60000/60°C
			0	0.06	0.72	1500	0.65	23.3	9.4	0.04	14		
9GA0912P4G03			100	0.28	3.36	4400	1.93	68.2	81	0.33	39		
			0	0.06	0.72	1500	0.65	23.3	9.4	0.04	14		
9GA0912P4S03			100	0.2	2.4	3800	1.67	59.0	60.6	0.24	35		
			0	0.06	0.72	1500	0.65	23.3	9.4	0.04	14		
9GA0924P4J03	24	20.4 to 27.6	100	0.2	4.8	5000	2.2	77.7	105	0.42	43		
			0	0.04	0.96	1500	0.65	23.3	9.4	0.04	14		
9GA0924P4G03			100	0.15	3.6	4400	1.93	68.2	81	0.33	39		
			0	0.04	0.96	1500	0.65	23.3	9.4	0.04	14		
9GA0924P4S03			100	0.12	2.88	3800	1.67	59.0	60.6	0.24	35		
			0	0.04	0.96	1500	0.65	23.3	9.4	0.04	14		

\* PWM frequency: 25 kHz

The following sensor and control options are available for selection.

Available for all models. **Without sensor** **Pulse sensor**

Differs according to the model. Refer to the table on p. 572. **Lock sensor**

The models listed below **have ribs and pulse sensors**. For models without ribs, append "1" to the end of model numbers.

Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min <sup>-1</sup> ]	Max. airflow [m <sup>3</sup> /min] [CFM]		Max. static pressure [Pa] [inchH <sub>2</sub> O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9GA0912H401	12	10.2 to 13.8	0.19	2.28	3300	1.45	51.2	45.6	0.18	31	-20 to +70	60000/60°C
9GA0912F401			0.14	1.68	2800	1.23	43.5	32.9	0.13	28		
9GA0912M401			0.11	1.32	2400	1.05	37.1	24	0.096	24		
9GA0912L401			0.09	1.08	2000	0.87	30.7	16.7	0.067	21		
9GA0912W401			0.19	2.28	3300	1.45	51.2	45.6	0.18	31		
9GA0924H401	24	20.4 to 27.6	0.09	2.16	3300	1.45	51.2	45.6	0.18	31		
9GA0924F401		16 to 27.6	0.08	1.92	2800	1.23	43.5	32.9	0.13	28		
9GA0924M401		14 to 27.6	0.05	1.2	2400	1.05	37.1	24	0.096	24		
9GA0924L401			0.03	0.72	2000	0.87	30.7	16.7	0.067	21		
9GA0924W401		12 to 28.8	0.09	2.16	3300	1.45	51.2	45.6	0.18	31		

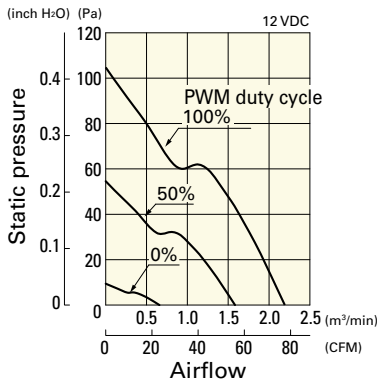
The following sensor and control options are available for selection.

Available for all models. **Without sensor** **Lock sensor**

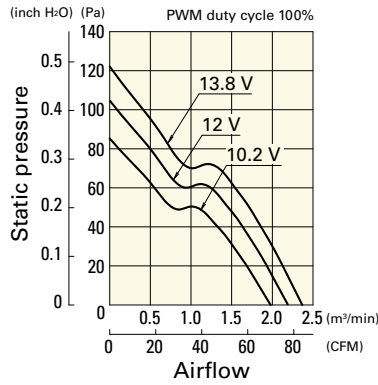
# Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

## 9GA0912P4J03 With pulse sensor with PWM control function

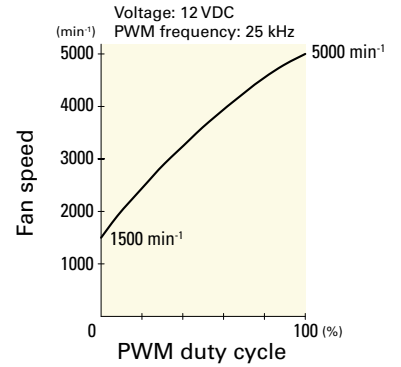
PWM duty cycle



Operating voltage range

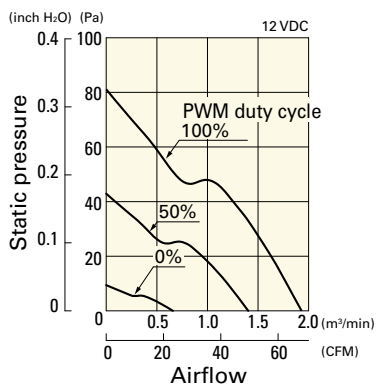


PWM duty - Speed characteristics example

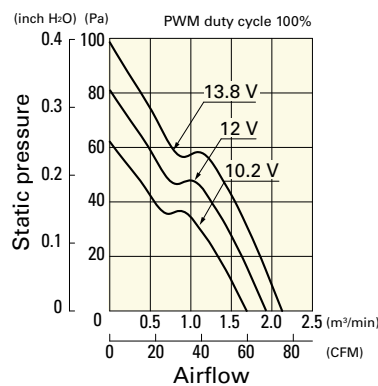


## 9GA0912P4G03 With pulse sensor with PWM control function

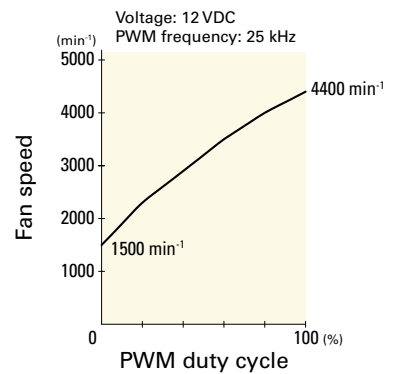
PWM duty cycle



Operating voltage range

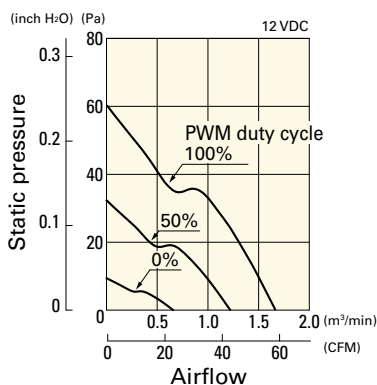


PWM duty - Speed characteristics example

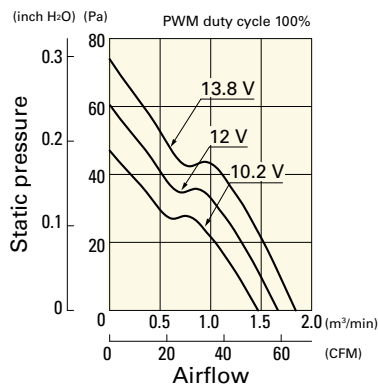


## 9GA0912P4S03 With pulse sensor with PWM control function

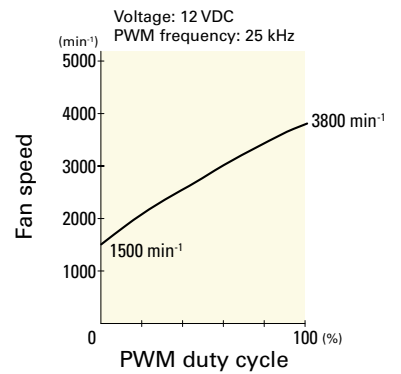
PWM duty cycle



Operating voltage range

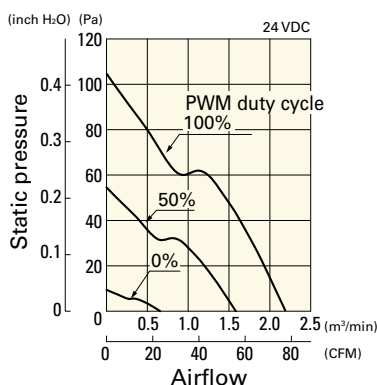


PWM duty - Speed characteristics example

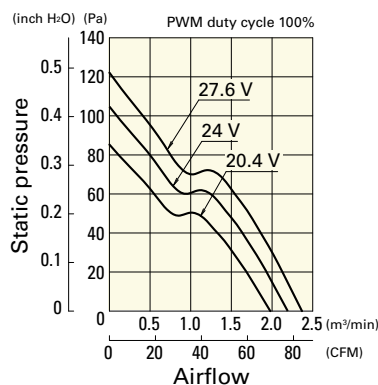


## 9GA0924P4J03 With pulse sensor with PWM control function

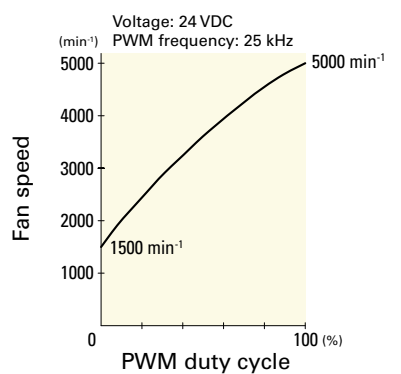
PWM duty cycle



Operating voltage range



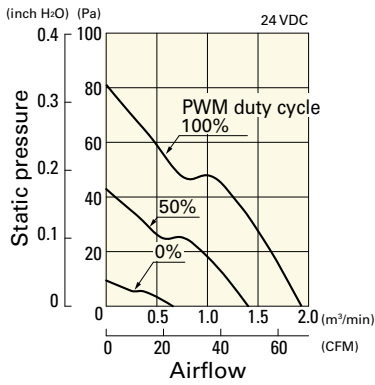
PWM duty - Speed characteristics example



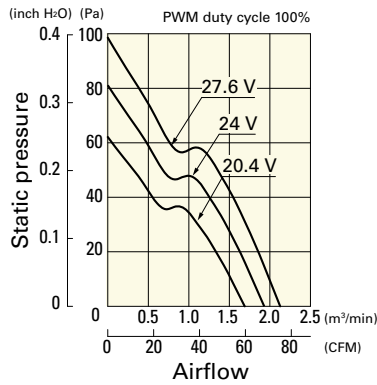
# Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

**9GA0924P4G03** With pulse sensor with PWM control function

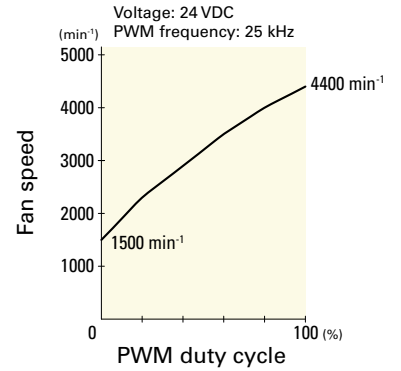
PWM duty cycle



Operating voltage range

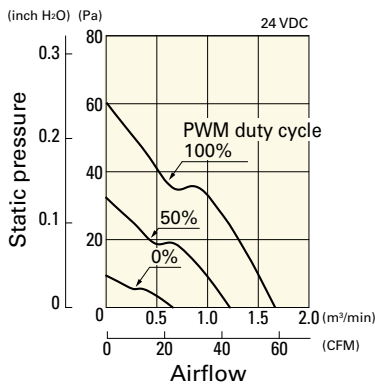


PWM duty - Speed characteristics example

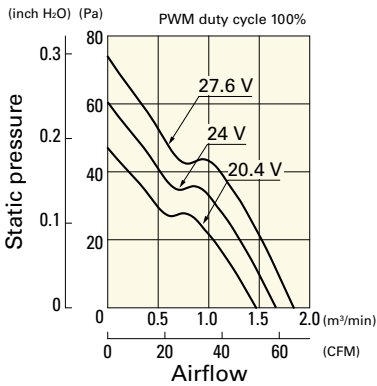


**9GA0924P4S03** With pulse sensor with PWM control function

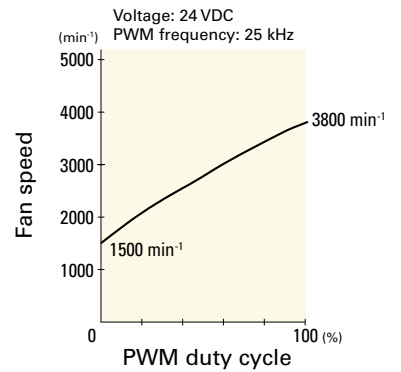
PWM duty cycle



Operating voltage range

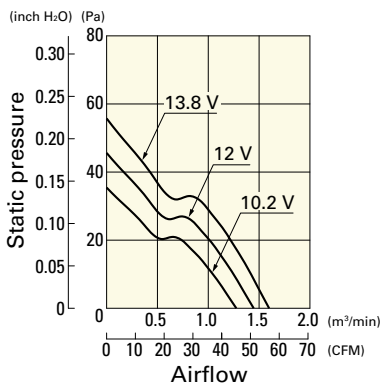


PWM duty - Speed characteristics example



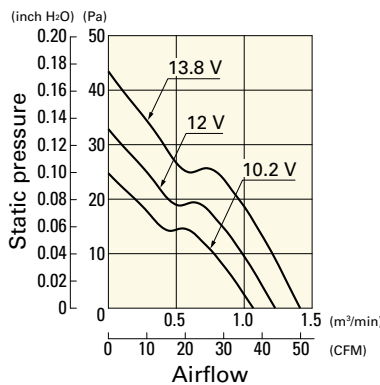
**9GA0912H401** With pulse sensor

Operating voltage range



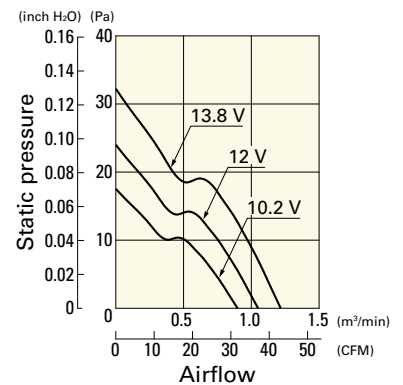
**9GA0912F401** With pulse sensor

Operating voltage range



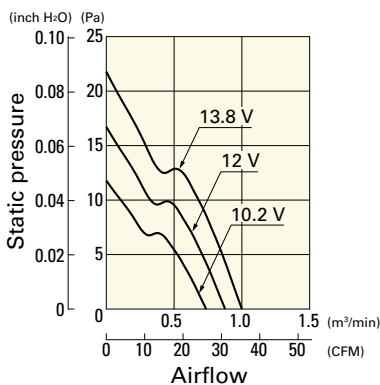
**9GA0912M401** With pulse sensor

Operating voltage range



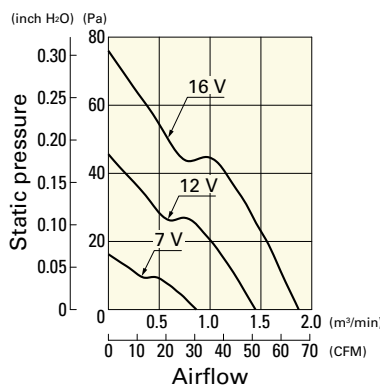
**9GA0912L401** With pulse sensor

Operating voltage range



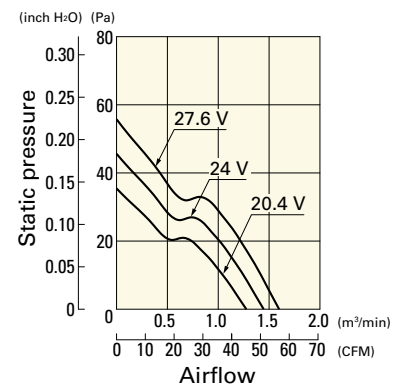
**9GA0912W401** With pulse sensor

Operating voltage range



**9GA0924H401** With pulse sensor

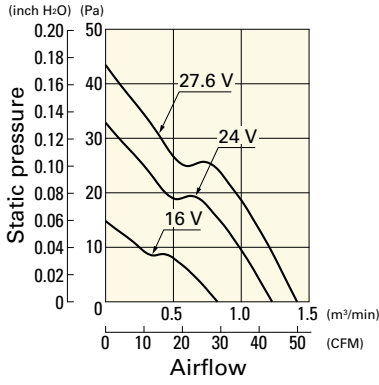
Operating voltage range



**Airflow - Static Pressure Characteristics**

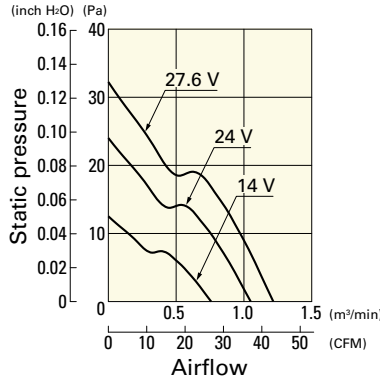
**9GA0924F401** With pulse sensor

Operating voltage range



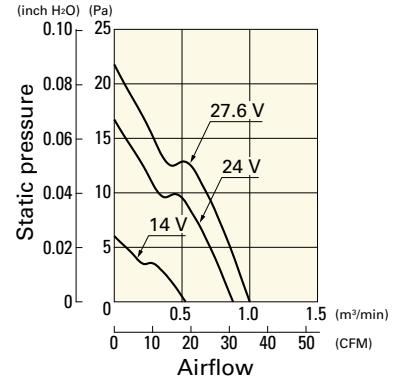
**9GA0924M401** With pulse sensor

Operating voltage range



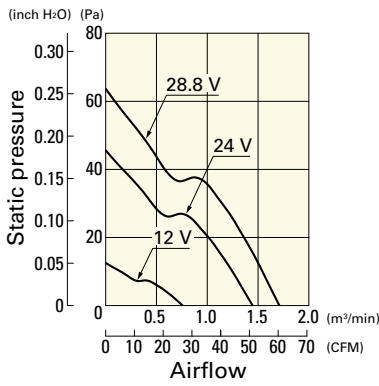
**9GA0924L401** With pulse sensor

Operating voltage range

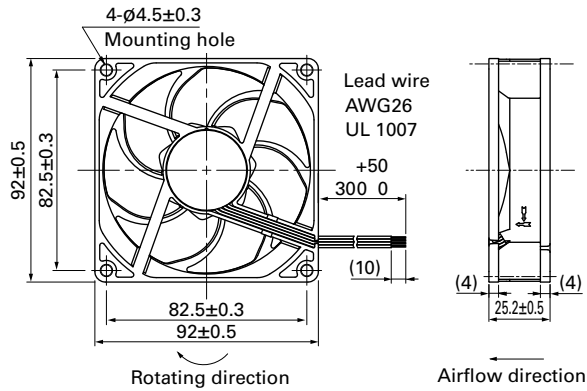


**9GA0924W401** With pulse sensor

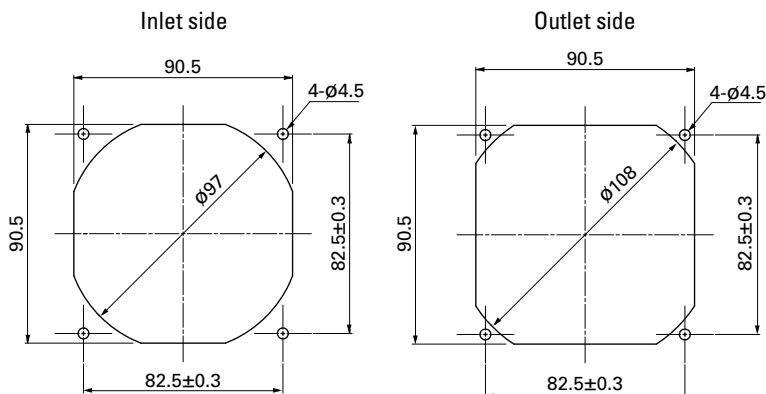
Operating voltage range



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



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



## Options

---

### Finger guards

page: p. 532

Model no.: 109-099E, 109-099H, 109-099C

### Resin finger guards

page: p. 539

Model no.: 109-1001G

### Resin filter kits

page: p. 540

Model no.: 109-1001F13 (13PPI), 109-1001F20 (20PPI),  
109-1001F30 (30PPI), 109-1001F40 (40PPI)

# Mouser Electronics

Authorized Distributor

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

## Sanyo Denki:

[9GA0912P4G03](#) [9GA0912P4J03](#) [9GA0924P4J03](#) [9GA0912P4S03](#) [9GA0912P4J031](#) [9GA0912P4G031](#)  
[9GA0924P4J031](#) [9GA0924P4G031](#) [9GA0912P4S031](#) [9GA0924P4S031](#) [9GA0924P4G03](#) [9GA0924P4S03](#)  
[9GA0924J401](#) [9GA0924G401](#) [9GA0924S401](#) [9GA0924J402](#) [9GA0912J401](#) [9GA0912J4011](#) [9GA0912G402](#)  
[9GA0912J402](#) [9GA0912J4021](#) [9GA0912J4D01](#) [9GA0912S402](#) [9GA0912L4021](#) [9GA0912W4D011](#) [9GA0912J4D011](#)  
[9GA0912G401](#) [9GA0912G4011](#) [9GA0912G4021](#) [9GA0912G4D01](#) [9GA0924S402](#) [9GA0924S4021](#)  
[9GA0924G4021](#) [9GA0924G4D01](#) [9GA0924J4011](#) [9GA0924J4021](#) [9GA0924J4D01](#) [9GA0924S4011](#) [9GA0912S401](#)  
[9GA0912S4011](#) [9GA0912S4021](#) [9GA0924G4011](#) [9GA0924G402](#) [9GA0924L4011](#) [9GA0912S4D01](#)  
[9GA0912S4D011](#)

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View 9GA0924P4J03 on WIN SOURCE](#)
- [Sanyo Denki America Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management