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**40**mm sq.

# San Ace 40W



DC  
Splash Proof Fan 40mm

## General Specifications

- Material ..... Frame: Aluminum (Black coating),  
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life ..... Refer to specifications (Indoor, 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)

**40×40×28mm** (Mass : 70g) **IP 68** **9WL type** **High Airflow Long Life Fan**

## Specifications

The following nos. **have PWM controls and pulse sensors.**

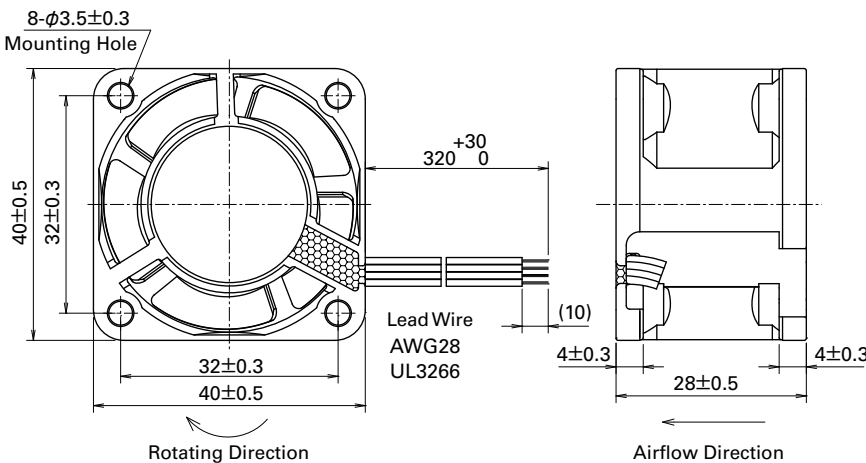
Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle [Hz] [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min <sup>-1</sup> ]	Max. Airflow [m <sup>3</sup> /min] [CFM]	Max. Static Pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
<b>9WL0412P3J001</b>	12	10.8 to 13.2	100	0.52	6.24	17,500	0.63 22.2	400 1.61	51	-20 to +70	150,000/60°C
			20	0.06	0.72	3,600	0.13 4.6	16.9 0.07	20		
<b>9WL0412P3G001</b>			100	0.40	4.80	15,500	0.56 19.7	310 1.24	47		
			20	0.06	0.72	3,300	0.12 4.2	14.0 0.06	18		
<b>9WL0424P3J001</b>	24	21.6 to 26.4	100	0.26	6.24	17,500	0.63 22.2	400 1.61	51		
			20	0.04	0.96	4,000	0.14 5.1	20.9 0.08	22		
<b>9WL0424P3G001</b>			100	0.20	4.80	15,500	0.56 19.7	310 1.24	47		
			20	0.04	0.96	3,000	0.11 3.8	11.6 0.05	16		

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

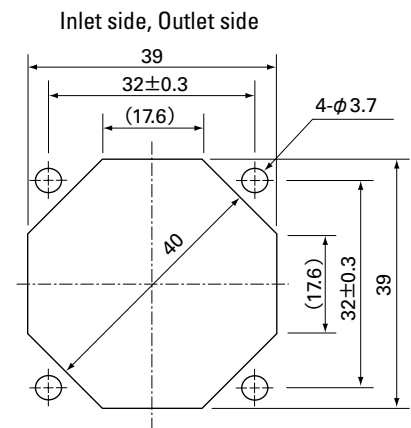
※PWM Frequency : 25kHz

Other sensor specifications are available as options. Please refer to the index (p. 511).

## Dimensions (unit: mm)



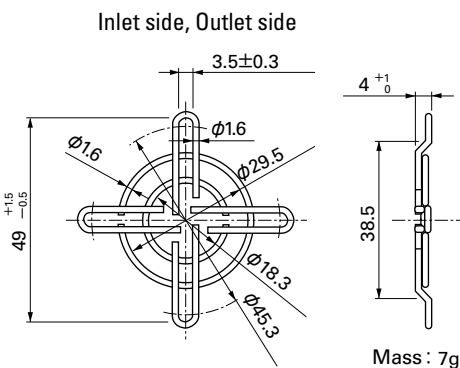
## Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



## Options (unit: mm)

### Finger Guards

Model : 109-059 Surface treatment : Nickel-chrome plating (silver)  
: 109-059H : Cation electropainting (black)



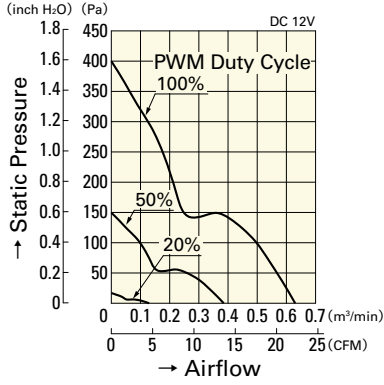
**40**mm sq.

# San Ace 40W

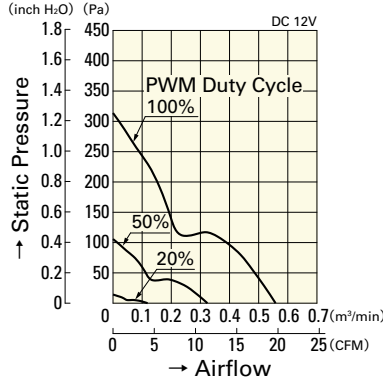
**40×40×28**mm [Mass : 70g]

## Airflow - Static Pressure Characteristics

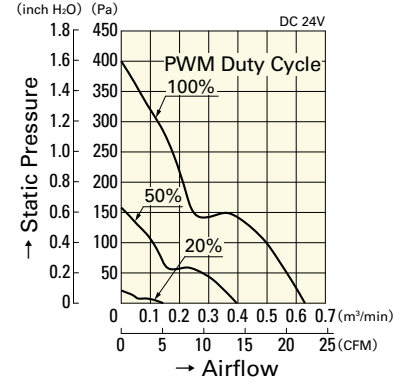
### PWM Duty Cycle



**9WL0412P3J001**

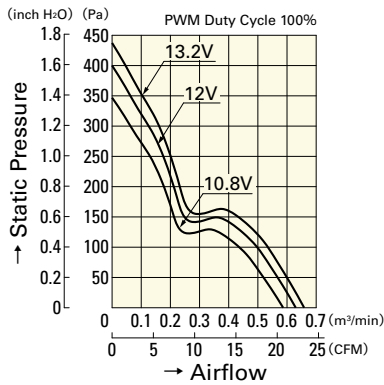


**9WL0412P3G001**

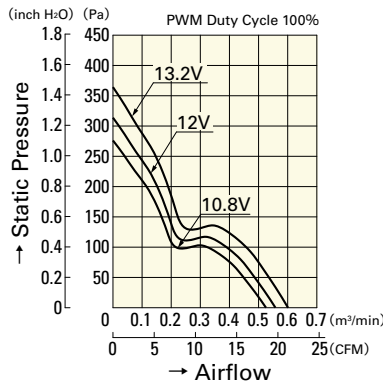


**9WL0424P3J001**

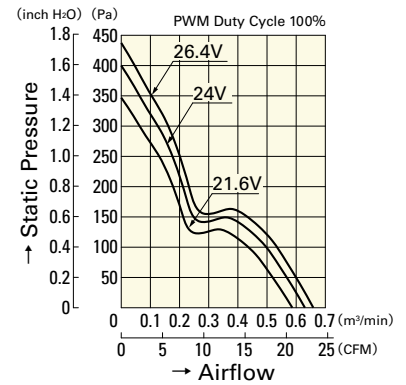
### Operating Voltage Range



**9WL0412P3J001**

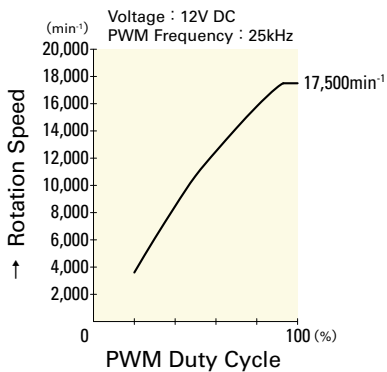


**9WL0412P3G001**

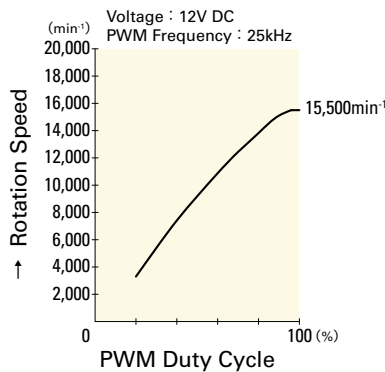


**9WL0424P3J001**

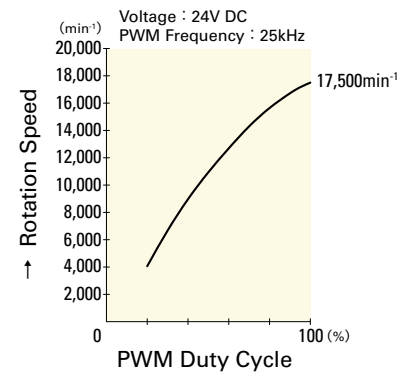
## PWM Duty - Speed Characteristics Example



**9WL0412P3J001**

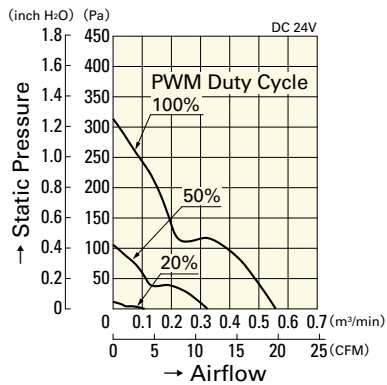


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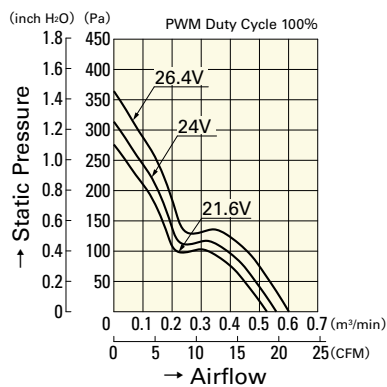


**9WL0424P3J001**

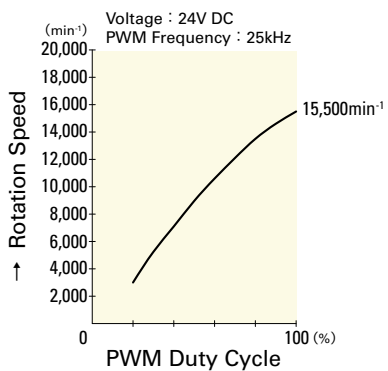




**9WL0424P3G001**



**9WL0424P3G001**



**9WL0424P3G001**