

**40**mm sq.

# San Ace 40

48mm thick (9CRA type), **56mm thick (9CRB type)**  
 56mm thick (9CRF type), 56mm thick (9CRD type)  
 56mm thick (9CRE type)



## General Specifications

- Material ..... Frame: Plastics (Flammability: UL94V-0),  
 Impeller: Plastics (Flammability: UL94V-0)
- Expected Life ..... Refer to specifications (L10:Survival rate:90% at 60°C ,  
 rated voltage, and continuously run in a free air state)
- Lead Wire ..... Inlet ⊕red ⊖black (Sensor) yellow (Control) brown  
 Outlet ⊕orange ⊖gray (Sensor) purple (Control) white
- Storage Temperature ..... -30°C to +70°C (Non-condensing)

**40×40×56mm** (Mass : 100g) **9CRB type**

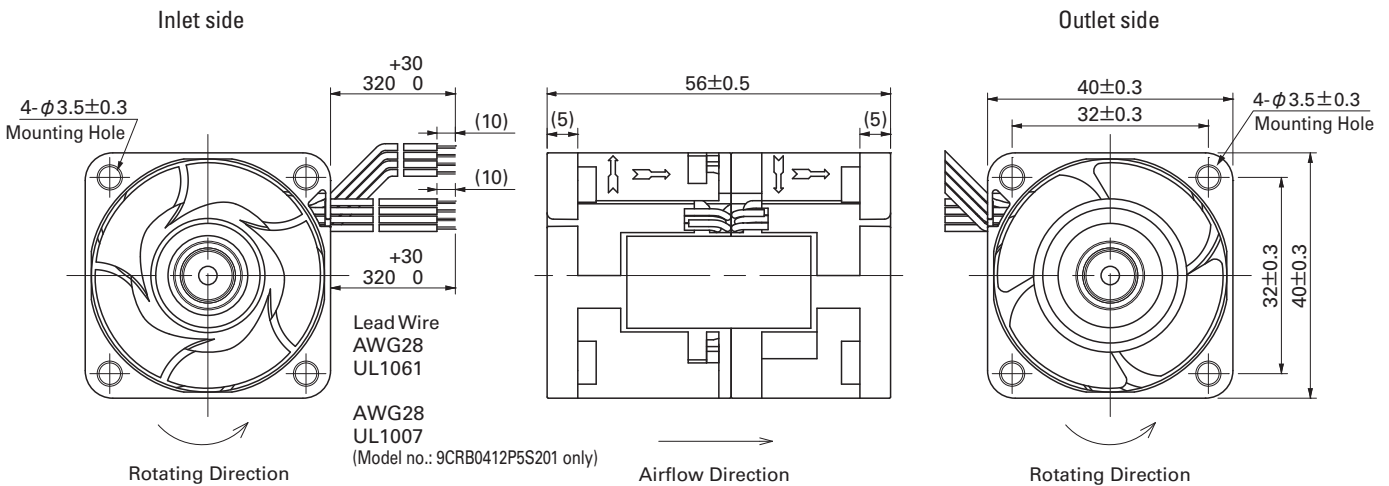
## Specifications

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

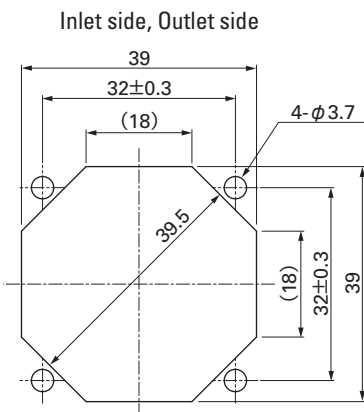
Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle※ [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min <sup>-1</sup> ]	Max. Airflow [m <sup>3</sup> /min] [CFM]	Max. Static Pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
9CRB0412P5S201	12	10.8 to 13.2	100	1.4	16.8	22,000 19,700	0.9 31.8	1,045 4.197	68	-20 to +70	30,000
			0	0.09	1.08	3,800 3,500	0.15 5.3	31 0.124	26		
9CRB0412P5K001			100	0.88	10.56	19,000 17,000	0.76 26.83	730 2.93	62		
			0	0.11	1.32	5,700 5,100	0.21 7.41	67 0.26	33		
9CRB0412P5J201			100	0.72	8.64	17,300 16,000	0.71 25.1	650 2.61	61		
			0	0.07	0.84	3,450 3,200	0.13 4.59	26 0.10	24		

※PWM Frequency : 25kHz

## Dimensions (unit : mm)



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

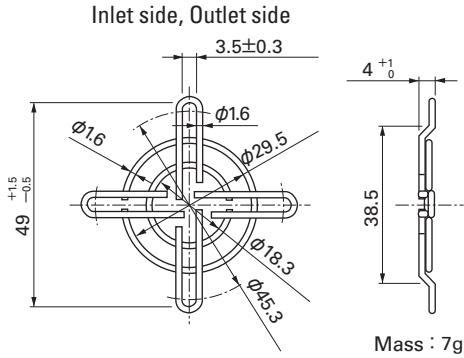


**Options (unit : mm)**

**Finger Guards**

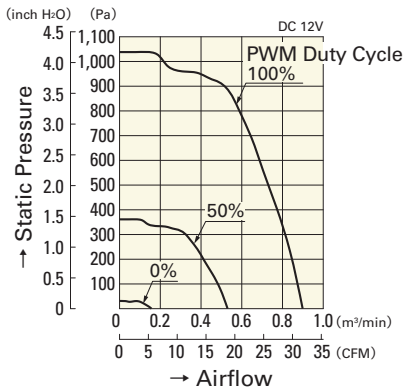
Model : 109-059 Surface treatment : Nickel-chrome plating (silver)  
 : 109-059H : Cation electropainting (black)

Color

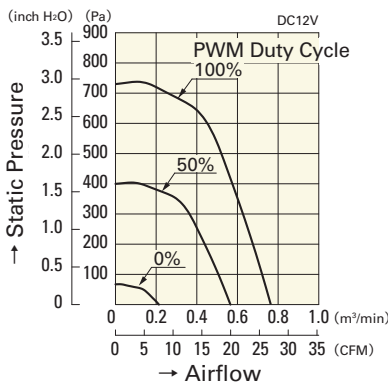


**Airflow - Static Pressure Characteristics**

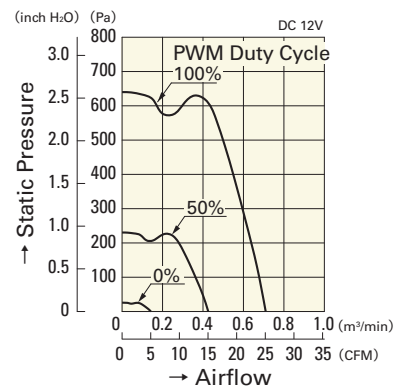
**PWM Duty Cycle**



**9CRB0412P5S201**

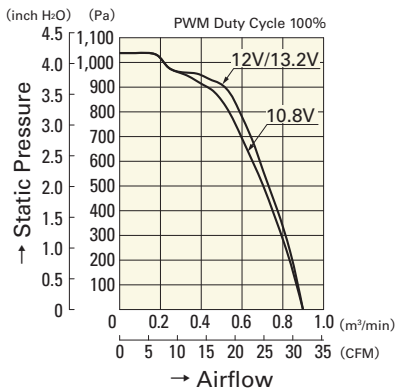


**9CRB0412P5K001**

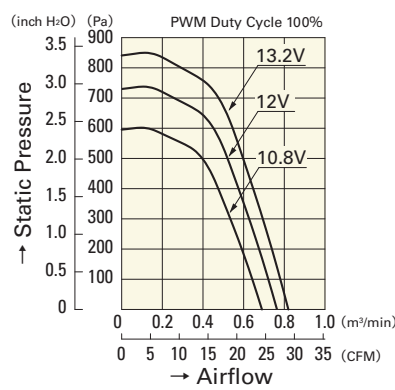


**9CRB0412P5J201**

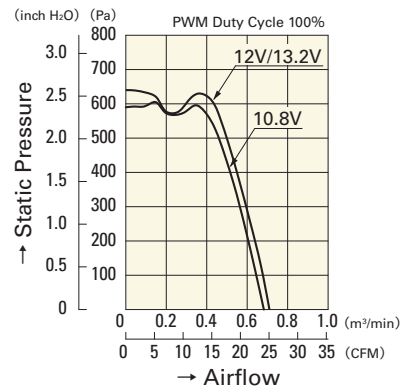
**Operating Voltage Range**



**9CRB0412P5S201**

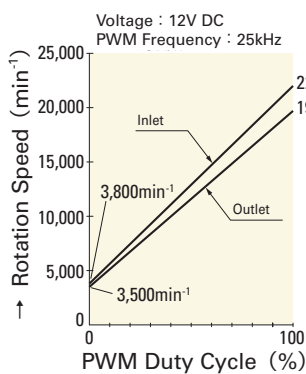


**9CRB0412P5K001**

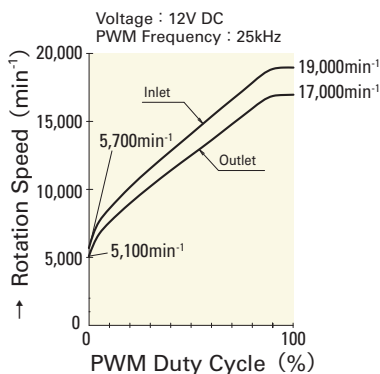


**9CRB0412P5J201**

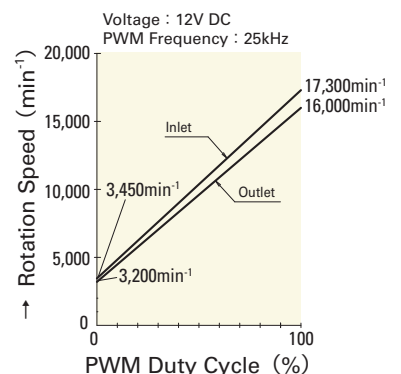
**PWM Duty - Speed Characteristics Example**



**9CRB0412P5S201**



**9CRB0412P5K001**



**9CRB0412P5J201**