

**120**mm**San Ace B120****General Specifications**

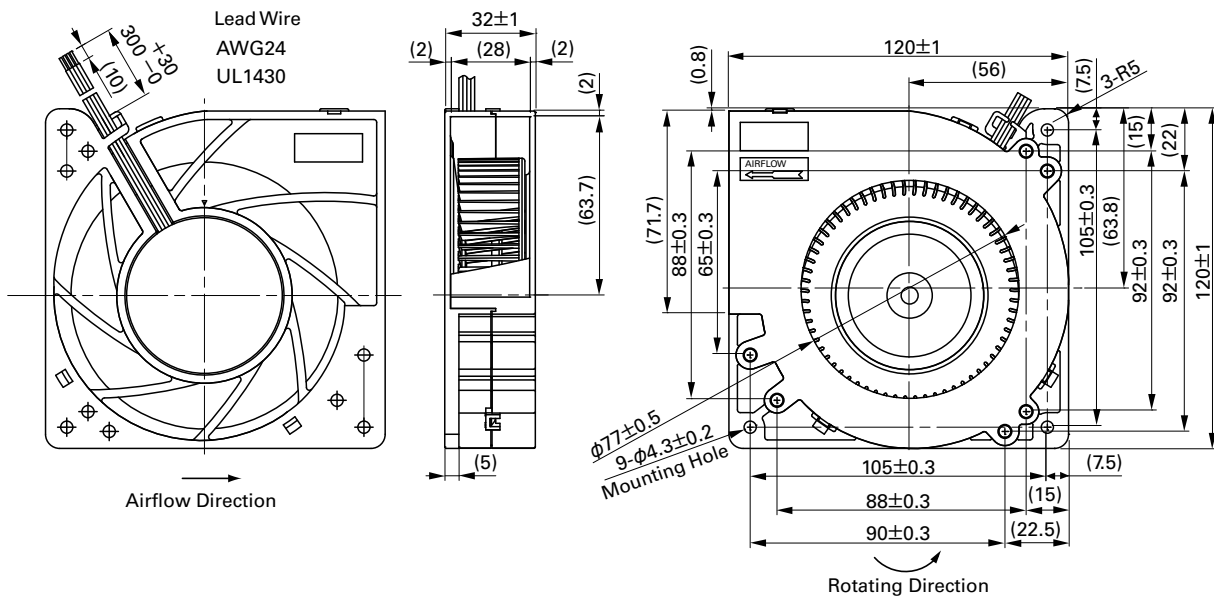
- Material ..... Frame: Plastics (Flammability: UL94V-0),  
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life ..... Refer to specifications (L10:Survival rate: 90% at 60°C ,  
rated voltage, and continuously run in a free air state)
- Lead Wire ..... ⊕red ⊖black (Sensor) yellow (Control) brown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

**120mm×32mm** (Mass : 340g) **9BFB 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]
<b>9BFB12P2H003</b> (Note)	12	10.8 to 13.2	100	2.3	27.6	3,750	1.6 56.5	1,250 5.02	62	-20 to +70	40,000/60°C (70,000/40°C)
<b>9BFB24P2H003</b>	24	21.6 to 26.4	100 0	1.1 0.12	26.4 2.88	3,750 1,300	1.6 56.5 0.46 16.2	1,250 5.02 43 0.17	62 41		

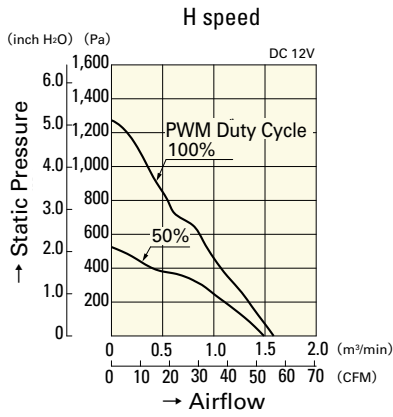
Note : Fan does not rotate when PWM duty cycle is 0%.

※PWM Frequency : 25kHz

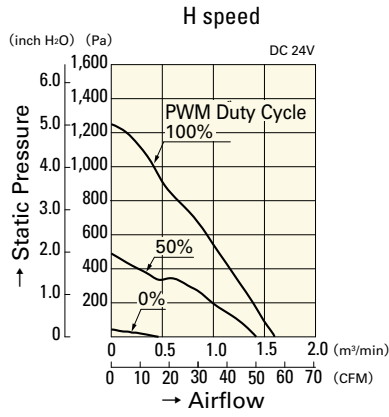
**Dimensions (unit: mm)**

## Airflow - Static Pressure Characteristics

### PWM Duty Cycle

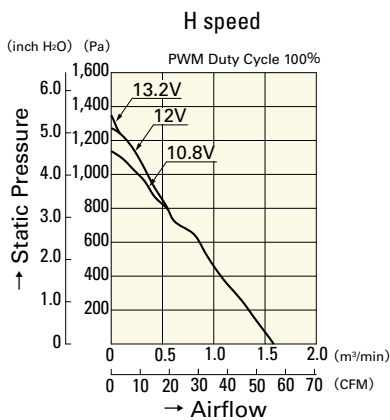


**9BFB12P2H003**

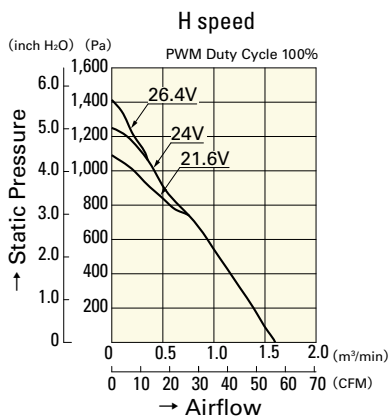


**9BFB24P2H003**

### Operating Voltage Range

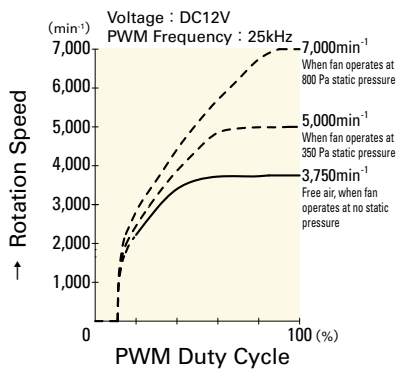


**9BFB12P2H003**

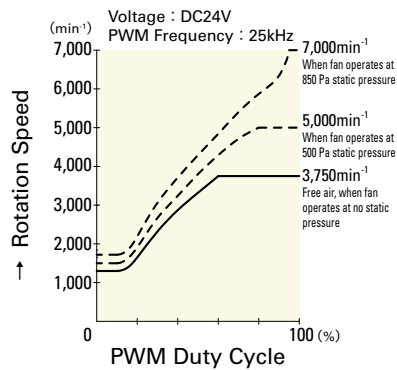


**9BFB24P2H003**

## PWM Duty - Speed Characteristics Example



**9BFB12P2H003**



**9BFB24P2H003**