

# 52x15 mm

San Ace B52 9BC type 



## 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
- Mass ..... 33 g

## Specifications

The models listed below **have pulse sensors**.

| 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]          |
|--------------|-------------------|-----------------------------|-------------------|-----------------|----------------------------------|--|--|--------------|----------------------------|----------------------------|
| 109BC12GC7-1 | 12                | 6 to 13.8                   | 0.12              | 1.44            | 6200                             | 0.125 4.4                                | 215 0.86   | 43           | -20 to +70                 | 40000/60°C<br>(70000/40°C) |
| 109BC12HC7-1 |                   |                             | 0.1               | 1.2             | 5600                             | 0.112 4.0                                | 165 0.66   | 40           |                            |                            |
| 109BC12FC7-1 |                   |                             | 0.08              | 0.96            | 5100                             | 0.101 3.6                                | 130 0.52   | 38           |                            |                            |
| 109BC12MC7-1 |                   |                             | 0.06              | 0.72            | 4600                             | 0.091 3.2                                | 100 0.4  | 35           |                            |                            |
| 109BC24GC7-1 | 24                | 12 to 27.6                  | 0.07              | 1.68            | 6200                             | 0.125 4.4                                | 215 0.86   | 43           |                            |                            |
| 109BC24HC7-1 |                   |                             | 0.05              | 1.2             | 5600                             | 0.112 4.0                                | 165 0.66   | 40           |                            |                            |
| 109BC24FC7-1 |                   |                             | 0.04              | 0.96            | 5100                             | 0.101 3.6                                | 130 0.52   | 38           |                            |                            |

The following sensor and control options are available for selection.

Available for all models. Without sensor Lock sensor

## Airflow - Static Pressure Characteristics

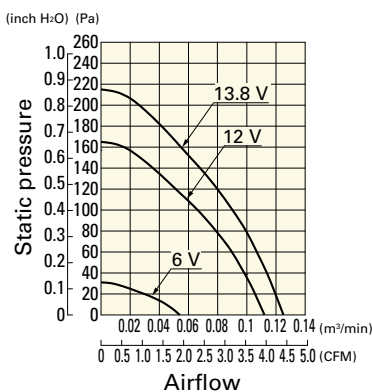
**109BC12GC7-1** With pulse sensor

Operating voltage range



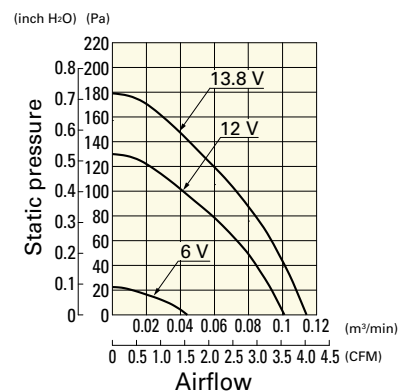
**109BC12HC7-1** With pulse sensor

Operating voltage range



**109BC12FC7-1** With pulse sensor

Operating voltage range



## Airflow - Static Pressure Characteristics

**109BC12MC7-1** With pulse sensor

Operating voltage range



**109BC24GC7-1** With pulse sensor

Operating voltage range



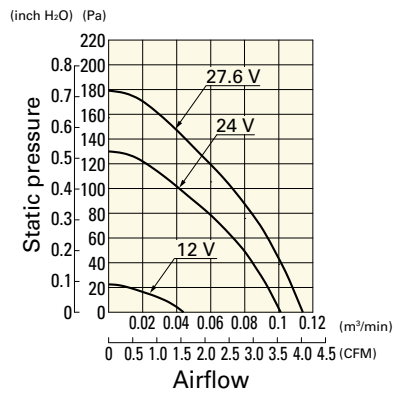
**109BC24HC7-1** With pulse sensor

Operating voltage range

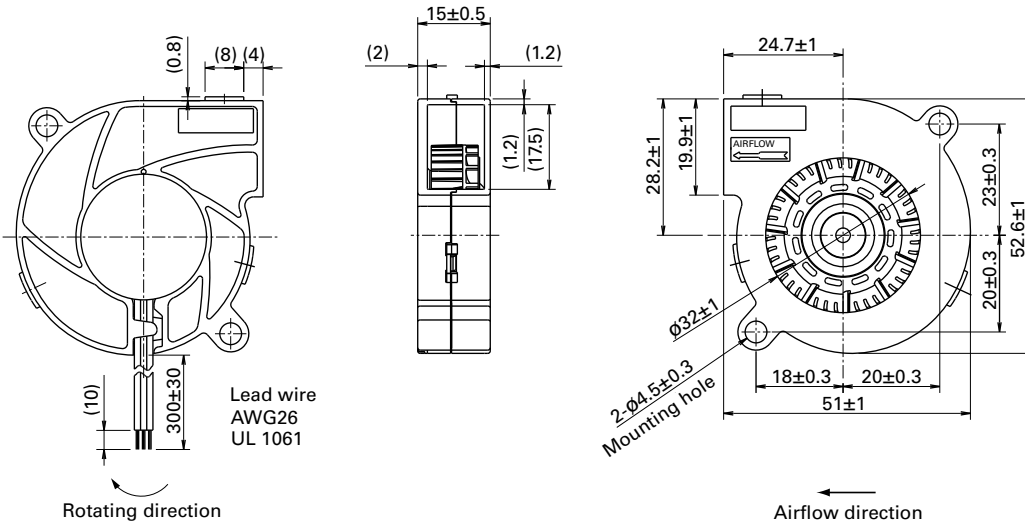


**109BC24FC7-1** With pulse sensor

Operating voltage range



## Dimensions (unit: mm)



Blower 52 mm DC