

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 ⁻¹] | Max. airflow [m ³ /min] [CFM] | Max. static pressure [Pa] [inchH ₂ 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 (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



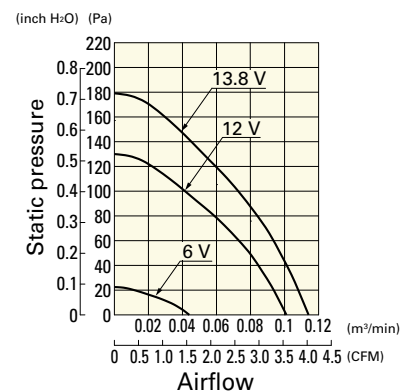
109BC12HC7-1 With pulse sensor

Operating voltage range



109BC12FC7-1 With pulse sensor

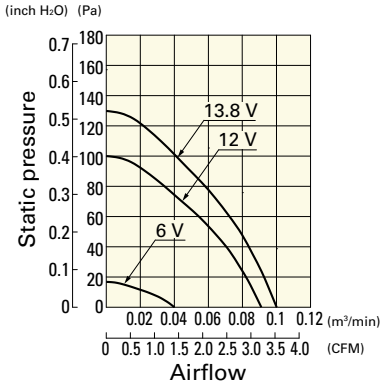
Operating voltage range



Airflow - Static Pressure Characteristics

109BC12MC7-1 With pulse sensor

Operating voltage range



109BC24GC7-1 With pulse sensor

Operating voltage range



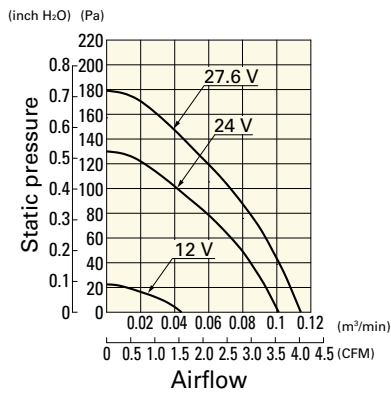
109BC24HC7-1 With pulse sensor

Operating voltage range



109BC24FC7-1 With pulse sensor

Operating voltage range



Dimensions (unit: mm)

