

# 52x15 mm

San Ace B52 9BC type   US



## 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) Expected life at 40°C is for reference only.
- Motor protection function ..... Locked rotor burnout protection, Reverse polarity protection For details, please refer to p. 580.
- Dielectric strength ..... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance ..... 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) ..... A-weighted 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 (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		

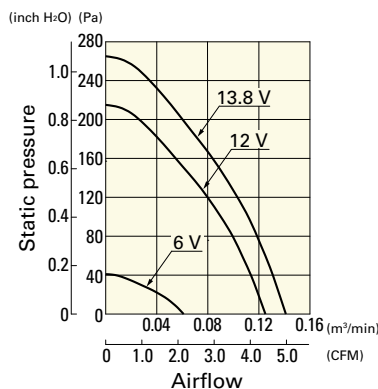
Note 1: Sensor and control options are available for selection. Refer to the table on p. 602.

Note 2: The  mark indicates Short LeadTime Service applicable models. See p. 630 for details.

## Airflow - Static Pressure Characteristics

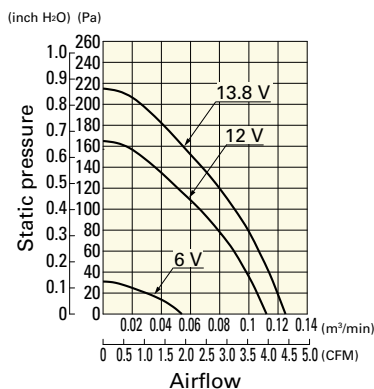
109BC12GC7-1 With pulse sensor

Operating voltage range



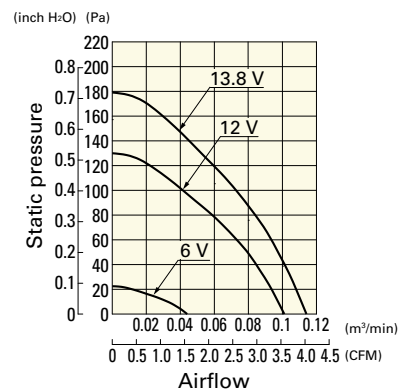
109BC12HC7-1 With pulse sensor

Operating voltage range



109BC12FC7-1 With pulse sensor

Operating voltage range

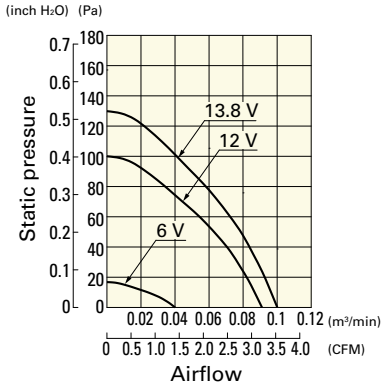


Blower 52 mm DC

## Airflow - Static Pressure Characteristics

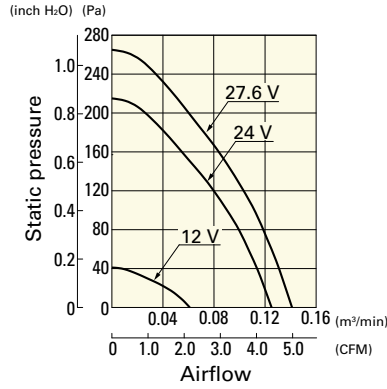
**109BC12MC7-1** With pulse sensor

Operating voltage range



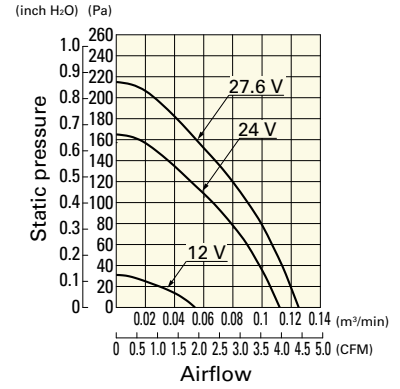
**109BC24GC7-1** With pulse sensor

Operating voltage range



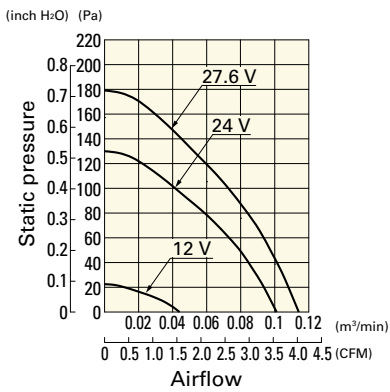
**109BC24HC7-1** With pulse sensor

Operating voltage range



**109BC24FC7-1** With pulse sensor

Operating voltage range



## Dimensions (unit: mm)

