

☐ **40mm**
San Ace 40



Material		Frame, Impeller:Plastics
Life Expectancy		Varies for each model (Survival rate: 90% at 60℃, rated voltage, and continuously run in a free air state)
Motor Protection System		Current blocking function (with reverse polarity protection)
Dielectric Strength		50/60 Hz, 500VAC, 1 minute (between lead conductor and frame)
Operating Temperature Range		Varies for each model (Non-condensing)
Lead Wire		S, H speeds ⊕red, ⊖black M speed ⊕red, ⊖black or blue
Mass		19g (10mm thick) 32g (15mm thick)

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min ⁻¹)	Air Flow (m ³ /min) (CFM)		Static Pressure (Pa) (inchH ₂ O)		Noise (dB [A])	Operating Temperature Range (°C)	Life Expectancy (h)
109P0405H902	5	4.5~ 5.5	0.16	0.8	6,200	0.15	5.3	41.16	0.165	25	-10 ~ +60	40,000
109P0405M902			0.11	0.55	5,000	0.12	4.2	26.95	0.108	21		
109P0412H902	12	7 ~13.8	0.07	0.84	6,200	0.15	5.3	41.16	0.165	25		
109P0412M902			0.06	0.72	5,000	0.12	4.2	26.95	0.108	21		

The figure consists of four graphs arranged in a 2x2 grid, showing the relationship between Static Pressure (Pa) on the y-axis and Air Flow (m³/min) on the x-axis for different fan models. The graphs are labeled 'H speed' and 'M speed' for the top and bottom rows, respectively. The y-axis for all graphs ranges from 0 to 60 Pa, and the x-axis ranges from 0 to 0.2 m³/min. The graphs show that static pressure decreases as air flow increases, and higher speeds result in higher static pressure for the same air flow.

- Top Left (H speed):** Shows curves for DC5.5V, DC5V, and DC4.5V. The DC5.5V curve reaches a peak static pressure of approximately 55 Pa at 0.15 m³/min.
- Top Right (M speed):** Shows curves for DC5.5V, DC5V, and DC4.5V. The DC5.5V curve reaches a peak static pressure of approximately 45 Pa at 0.15 m³/min.
- Bottom Left (H speed):** Shows curves for 13.8V, 12V, and 7V. The 13.8V curve reaches a peak static pressure of approximately 55 Pa at 0.15 m³/min.
- Bottom Right (M speed):** Shows curves for DC13.8V, DC12V, and DC7V. The DC13.8V curve reaches a peak static pressure of approximately 45 Pa at 0.15 m³/min.

Model No.	Rated Voltage (V)	Operating voltage range (V)	Rated current (A)	Rated Input (W)	Rated Speed (min ⁻¹)	Air Flow (m³/min) (CFM)		Static pressure (Pa) (inchH ₂ O)		Noise (dB [A])	Operating Temperature Range (°C)	Life expectancy (h)	
109P0405H702	5	4.5～ 5.5	0.28	1.4	7,700	0.18	6.4	75.5	0.303	28	－10 ～＋60	60,000	
109P0405M702			0.21	1.05	6,500	0.15	5.3	53	0.213	24	－10 ～＋70		
109P0412S702	12	10.2～13.8	0.18	2.16	8,600	0.2	7.06	92.1	0.369	32			
109P0412H702			0.13	1.56	7,700	0.18	6.4	75.5	0.303	28			
109P0412M702			0.095	1.14	6,500	0.15	5.3	53	0.213	24			
109P0424H702	24	20.4～27.6	0.08	1.92	7,700	0.18	6.4	75.5	0.303	28			

The figure consists of five sub-graphs, each representing a different fan model. Each graph plots Static Pressure (Pa) on the y-axis against Air Flow (m³/min) on the x-axis. The graphs show the performance of the fans at different voltage settings, with higher voltages generally resulting in higher static pressure and flow rates.

- 109P0412S702 (S speed):** Y-axis 0-150 Pa, X-axis 0-0.3 m³/min. Curves for 13.8V, 12V, and 10.2V.
- 109P0405H702 (H speed):** Y-axis 0-150 Pa, X-axis 0-0.3 m³/min. Curves for 5.5V, 5V, and 4.5V.
- 109P0405M702 (M speed):** Y-axis 0-80 Pa, X-axis 0-0.3 m³/min. Curves for 5.5V, 5V, and 4.5V.
- 109P0412H702 (H speed):** Y-axis 0-150 Pa, X-axis 0-0.3 m³/min. Curves for 13.8V/27.6V, 12V/24V, and 10.2V/20.4V.
- 109P0412M702 (M speed):** Y-axis 0-70 Pa, X-axis 0-0.2 m³/min. Curves for 13.8V, 12V, and 10.2V.