

AC Fan Motors

San Ace □ 120mm

San Ace



AC Fan Motors

Silent best-selling models

General specifications

- Motor construction Shaded pole motor
- Motor protection system Impedance protection
- Dielectric strength 50/60 Hz, 1500 VAC, 1 minute
(between input terminal and frame)
- Operating voltage range +10%
- Plug cord For general 489-006 (L10,L21) /489-016 (L10,L21)
For UL/CSA 489-007 (L10,L21)
For UL/CSA 489-047 (L10,L21)

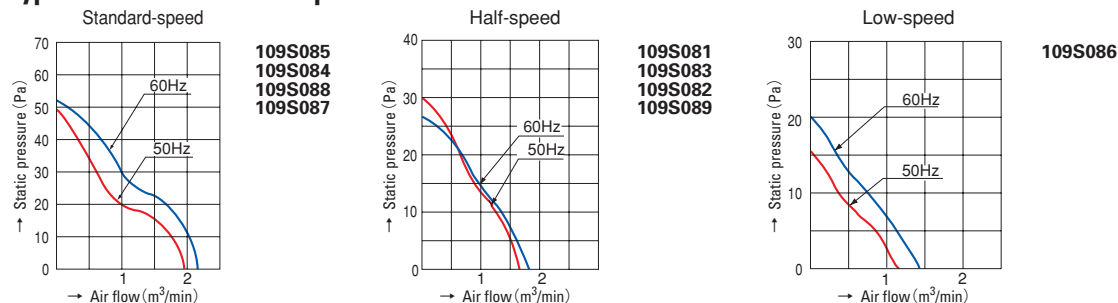
25mm thick SAN ACE

Specifications (Operating thermally range -30°C to +60°C)

Model	Voltage (V)	Frequency (Hz)	Input (W)	Current (A)	Bound current (A)	Rotating speed (min ⁻¹)	Air flow (m ³ /min) (CFM)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
109S085	100	50/60	13.5/12	0.16/0.14	0.19/0.17	2500/2900	1.92/2.22 67.8/78.4	49/53.9	38/41	370
109S084	115			0.14/0.12	0.16/0.15					
109S088	200			0.08/0.07	0.1/0.09					
109S087	230			0.07/0.06	0.08/0.07					
☆ 109S081	100			0.11	0.11/0.1					
☆ 109S083	115	9.5/8.5	12/10	0.1	0.1/0.09	2200/2350	1.63/1.78 57.6/62.9	29.4/26.3	34/35	
☆ 109S082	200			0.07	0.07/0.06					
☆ 109S089	230			0.06	0.06/0.05					
※ 109S086	100			0.14/0.12	0.15/0.13	1400/1600	1.11/1.35 39.2/47.7	15.7/19.6	24/27	

☆ represents half-speed. ※ represents low-speed.

Typical air flow and static pressure characteristics



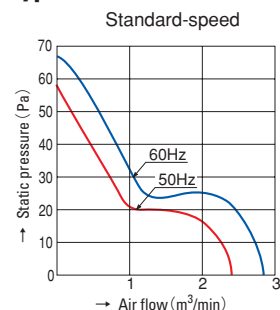
38mm thick SAN ACE

Specifications (Operating thermally range -30°C to +60°C)

Model	Voltage (V)	Frequency (Hz)	Input (W)	Current (A)	Bound current (A)	Rotating speed (min ⁻¹)	Air flow (m ³ /min) (CFM)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
109S005	100	50/60	14/12	0.18/0.16	0.25/0.22	2700/3100	2.35/2.7 83/95.4	55.9/65.7	40/43	550
109S005UL										
109S024	120			0.16/0.14	0.21/0.18					
109S024UL	115									
109S008	200			0.09/0.08	0.13/0.11					
109S008UL										
109S025	230			0.08/0.07	0.11/0.09					
109S025UL										

120mm

Typical air flow and static pressure characteristics



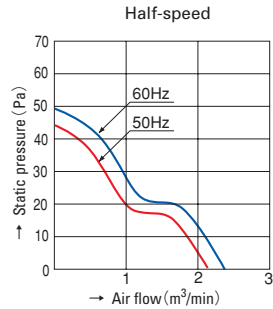
38mm thick SAN ACE

Specifications

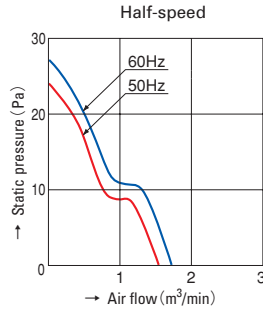
Model	Voltage (V)	Frequency (Hz)	Input (W)	Current (A)	Bound current (A)	Rotating speed (min ⁻¹)	Air flow (m ³ /min)	Air flow (CFM)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
☆109S029UL	100	50/60	14/12	0.18/0.16	0.23/0.21	2450/2700	2.15/2.35	76/83	44.1/49.0	38/40	550
☆109S013			13/11	0.16/0.14	0.16/0.15	1800/2000	1.54/1.72	54.4/60.8	24/27	30/32	
☆109S013UL			7/7	0.1/0.09	0.1/0.09	1650/1700	1.45/1.5	51.2/53	17.6/17.6	28/28	
※109S006			7/7	0.1/0.09	0.1/0.09	1650/1700	1.45/1.5	51.2/53	17.6/17.6	28/28	
※109S006UL	115	50/60	10/10	0.13/0.11	0.13/0.11	1800/1900	1.56/1.64	55/57.9	20/20.6	30/31	550
※109S010			7/7	0.05/0.04	0.05/0.04	1650/1700	1.45/1.5	51.2/53	17.6/17.6	28/28	
※109S010UL	200	50/60	7/7	0.05/0.04	0.05/0.04	1650/1700	1.45/1.5	51.2/53	17.6/17.6	28/28	550
※109S010UL			7/7	0.05/0.04	0.05/0.04	1650/1700	1.45/1.5	51.2/53	17.6/17.6	28/28	
※109S010UL	240	50/60	11/11	0.06/0.05	0.06/0.05	1800/1950	1.58/1.68	55.8/59.3	20.6/21.6	30/32	

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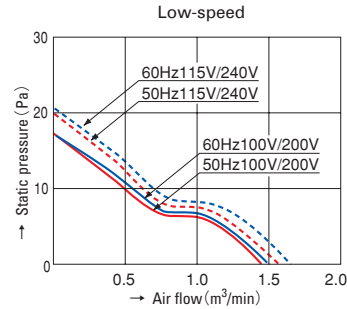
Typical air flow and static pressure characteristics



109S029UL



109S013
109S013UL



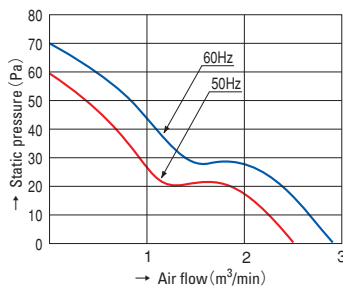
109S006
109S006UL
109S010
109S010UL

38mm thick New SAN ACE

Specifications

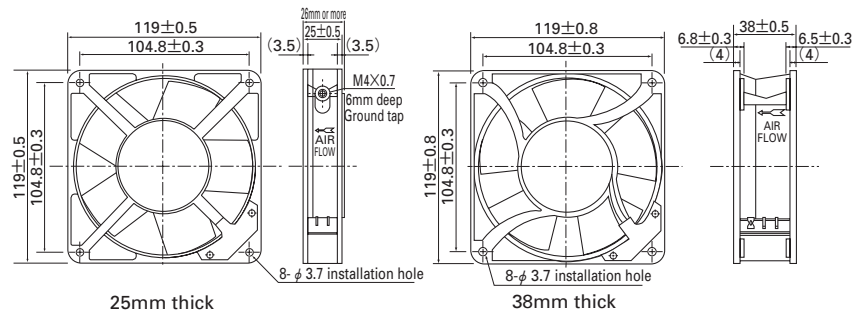
Model	Voltage (V)	Frequency (Hz)	Input (W)	Current (A)	Bound current (A)	Rotating speed (min ⁻¹)	Air flow (m ³ /min)	Air flow (CFM)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
109S075UL	100	50/60	18/16	0.24/0.21	0.32/0.28	2700/3100	2.5/2.9	88.3/102.5	57.9/68.7	42/45	550
109S074UL	115			0.21/0.18	0.27/0.24						
109S078UL	200			0.12/0.1	0.16/0.14						
109S072UL	230			0.11/0.09	0.14/0.13						

Typical air flow and static pressure characteristics

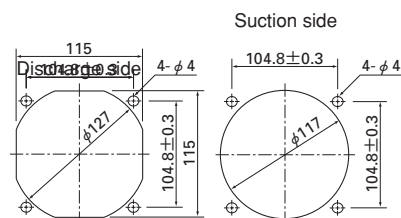


109S075UL 109S074UL
109S078UL 109S072UL

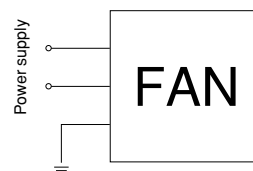
Dimensions (unit : mm)



Reference dimensional diagram for installation holes (unit : mm)



Wiring diagram



Notice

- The products shown in the catalog are subject to Japanese Export Control Law. Diversion contrary to the law of exporting country is prohibited.
- To protect against electrolytic cooling corrosion that may occur in locations of strong electromagnetic noise, we provide fans that are unaffected by electrolytic corrosion. Alternative measures to protect against electrolytic corrosion may include metallic finger guards or other metallic attachments. Please contact us for details.

SANYO DENKI