

# San Ace MC

1U Compatible Active Heatsink for Intel® Pentium® III FC-PGA2 1.4 GHz/  
Intel®Celeron™ FC-PGA2 1. 3 GHz

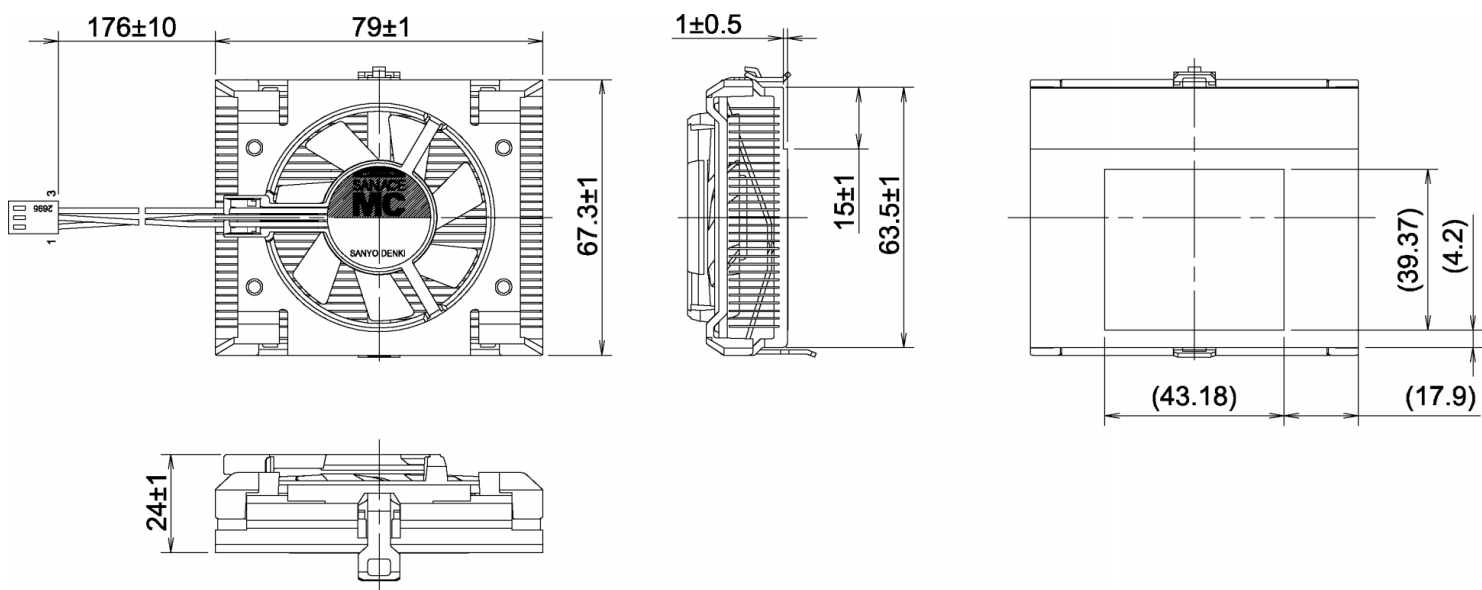
- Brushless DC Motor with Plastic Frame/Impeller and Aluminium Base Copper Fin Heatsink
- Permanently Lubricated Dual Ball Bearing System
- Current Limiting System with Reverse Polarity Protection
- Color-coded 176mm AWG 26 Leads with Molex Connector and Contact  
Connector: Molex 22-01-3037 (2695-03RP)  
Contact: Molex 5159PBT or 2759T
- Expected Service Life of 40,000 hours  
(90% survival rate at 60 °C, nominal voltage, continuous operation with unobstructed inlets and outlets )
- Operating Temperature: -10 °C to +70 °C (No Condensation)
- Storage Temperature: -30 °C to +75 °C (No Condensation)
- Rotational Direction: CW looking at label
- Dielectric Strength: 50/60 Hz, 500 VAC, one (1) minute  
(between lead conductor and frame)
- Thermal Contact: Power Devices Inc. (Type AS-J-17H-155)



| Size           | Thermal Resistance | Nominal Voltage | Voltage Range | Sound Pressure | Current | Nominal Speed     | Model No.     | Clip        |
|----------------|--------------------|-----------------|---------------|----------------|---------|-------------------|---------------|-------------|
| mm             | K/W                | V               | V             | db(A)          | A       | min <sup>-1</sup> |               |             |
| 79.0x67.3x24.0 | 0.63               | 12              | 7.0 - 13.8    | 42             | 0.22    | 6000              | 109X7412S4016 | Preattached |

Notes: (1) Listed model is pulse sensor type.  
(2) Noise ratings are average values as measured from a point one (1) meter from intake of fan suspended in an anechoic chamber.  
(3) Intel® Pentium® III is a registered trademark of Intel Corporation.

## Dimensions



# San Ace 120 G-Type

## High Air Flow Low Power Consumption 119x25mm & 119x38mm DC Axial Fans

- Brushless DC Motor with Plastic Fan Housing and Impeller
- Permanently Lubricated Dual Ball Bearing System
- Current Limiting System with Reverse Polarity Protection
- Color-coded 300mm UL1007 AWG 24 Leads (stripped and thinned ends)
- Pulse/Lock/Inverse Lock/Low Speed/Inverse Low Speed Sensor Options
- Expected Service Life of 40,000 hours  
(90% survival rate at 60 °C, nominal voltage, continuous operation with unobstructed inlets and outlets )
- Operating Temperature: -10 °C to +60 °C (No Condensation)
- Storage Temperature: -30 °C to +70 °C (No Condensation)
- Rotational Direction: CW looking at label
- Dielectric Strength: 50/60 Hz, 500 VAC, one (1) minute  
(between lead conductor and frame)
- Mass: 240 - 330g



### 119 x 119 x 25mm

Click on Model No in red to view air performance curves

| Airflow | Airflow | Static Pressure | Static Pressure | Nominal Voltage | Voltage Range | Sound Pressure | Power Input | Nominal Speed | Model No.                  |
|---------|---------|-----------------|-----------------|-----------------|---------------|----------------|-------------|---------------|----------------------------|
| m³/min  | CFM     | Pa              | inch/H₂O        | V               | V             | dB(A)          | W           | min⁻¹         |                            |
| 3.68    | 130     | 120             | 0.48            | 12              | 10.8 - 13.8   | 51             | 10.8        | 4100          | <a href="#">9G1212G402</a> |
| 3.25    | 115     | 98              | 0.39            | 12              | 10.8 - 13.8   | 48             | 6.96        | 3650          | <a href="#">9G1212E402</a> |
| 2.83    | 100     | 77              | 0.31            | 12              | 10.8 - 13.8   | 44             | 4.80        | 3150          | <a href="#">9G1212A402</a> |
| 2.50    | 88      | 64              | 0.26            | 12              | 10.8 - 13.8   | 40             | 3.72        | 2850          | <a href="#">9G1212H402</a> |
| 1.98    | 70      | 42              | 0.17            | 12              | 10.8 - 13.8   | 35             | 2.28        | 2250          | <a href="#">9G1212F402</a> |
| 1.66    | 58      | 31              | 0.12            | 12              | 10.8 - 13.8   | 29             | 1.68        | 1950          | <a href="#">9G1212M402</a> |
| 3.68    | 130     | 120             | 0.48            | 24              | 20.4 - 27.6   | 51             | 11.28       | 4100          | <a href="#">9G1224G402</a> |
| 3.25    | 115     | 98              | 0.39            | 24              | 20.4 - 27.6   | 48             | 8.88        | 3650          | <a href="#">9G1224E402</a> |
| 2.83    | 100     | 77              | 0.31            | 24              | 20.4 - 27.6   | 44             | 5.04        | 3150          | <a href="#">9G1224A402</a> |
| 2.50    | 88      | 64              | 0.26            | 24              | 20.4 - 27.6   | 40             | 4.08        | 2850          | <a href="#">9G1224H402</a> |
| 1.98    | 70      | 42              | 0.17            | 24              | 20.4 - 27.6   | 35             | 2.40        | 2250          | <a href="#">9G1224F402</a> |
| 1.66    | 58      | 31              | 0.12            | 24              | 20.4 - 27.6   | 29             | 1.92        | 1950          | <a href="#">9G1224M402</a> |
| 3.68    | 130     | 120             | 0.48            | 48              | 40.8 - 55.2   | 51             | 11.04       | 4100          | <a href="#">9G1248G402</a> |
| 3.25    | 115     | 98              | 0.39            | 48              | 40.8 - 55.2   | 48             | 7.68        | 3650          | <a href="#">9G1248E402</a> |
| 2.83    | 100     | 77              | 0.31            | 48              | 40.8 - 55.2   | 44             | 6.24        | 3150          | <a href="#">9G1248A402</a> |
| 2.50    | 88      | 64              | 0.26            | 48              | 40.8 - 55.2   | 40             | 4.80        | 2850          | <a href="#">9G1248H402</a> |
| 1.98    | 70      | 42              | 0.17            | 48              | 40.8 - 55.2   | 35             | 2.88        | 2250          | <a href="#">9G1248F402</a> |
| 1.66    | 58      | 31              | 0.12            | 48              | 40.8 - 55.2   | 29             | 2.40        | 1950          | <a href="#">9G1248M402</a> |

# San Ace 120 G-Type

## High Air Flow Low Power Consumption 119x25mm & 119x38mm DC Axial Fans

### 119 x 119 x 25mm

Click to view dimensional drawings

- Models without sensor
- Ribless models without sensor
- Models with sensor
- Ribless Models with sensor

### 119 x 119 x 38mm

Click on Model No in red to view air performance curves

| Airflow | Airflow | Static Pressure | Static Pressure | Nominal Voltage | Voltage Range | Sound Pressure | Power Input | Nominal Speed | Model No.  |
|---------|---------|-----------------|-----------------|-----------------|---------------|----------------|-------------|---------------|------------|
| m³/min  | CFM     | Pa              | inch/H₂O        | V               | V             | dB(A)          | W           | min⁻¹         |            |
| 3.88    | 137     | 135.0           | 0.54            | 12              | 10.2 - 13.8   | 49             | 11.8        | 3600          | 9G1212G102 |
| 3.34    | 118     | 100.0           | 0.40            | 12              | 10.2 - 13.8   | 46             | 7.32        | 3100          | 9G1212E102 |
| 2.80    | 99      | 70.4            | 0.283           | 12              | 7.0 - 13.8    | 39             | 4.56        | 2600          | 9G1212H102 |
| 2.45    | 87      | 54.2            | 0.218           | 12              | 7.0 - 13.8    | 36             | 3.36        | 2280          | 9G1212F102 |
| 2.10    | 74      | 39.6            | 0.16            | 12              | 7.0 - 13.8    | 32             | 2.52        | 1950          | 9G1212M102 |
| 3.88    | 137     | 135.0           | 0.54            | 24              | 20.4 - 27.6   | 49             | 12.0        | 3600          | 9G1224G102 |
| 3.34    | 118     | 100.0           | 0.40            | 24              | 20.4 - 27.6   | 46             | 8.16        | 3100          | 9G1224E102 |
| 2.80    | 99      | 70.4            | 0.283           | 24              | 14.0 - 27.6   | 39             | 5.23        | 2600          | 9G1224H102 |
| 2.45    | 87      | 54.2            | 0.218           | 24              | 14.0 - 27.6   | 36             | 3.84        | 2280          | 9G1224F102 |
| 2.10    | 74      | 39.6            | 0.16            | 24              | 14.0 - 27.6   | 32             | 2.64        | 1950          | 9G1224M102 |
| 3.88    | 137     | 135.0           | 0.54            | 48              | 40.8 - 55.2   | 49             | 12.0        | 3600          | 9G1248G102 |
| 3.34    | 118     | 100.0           | 0.40            | 48              | 40.8 - 55.2   | 46             | 8.16        | 3100          | 9G1248E102 |
| 2.80    | 99      | 70.4            | 0.283           | 48              | 40.8 - 55.2   | 39             | 5.28        | 2600          | 9G1248H102 |
| 2.45    | 87      | 54.2            | 0.218           | 48              | 40.8 - 55.2   | 36             | 4.32        | 2280          | 9G1248F102 |
| 2.10    | 74      | 39.6            | 0.16            | 48              | 40.8 - 55.2   | 32             | 3.36        | 1950          | 9G1248M102 |

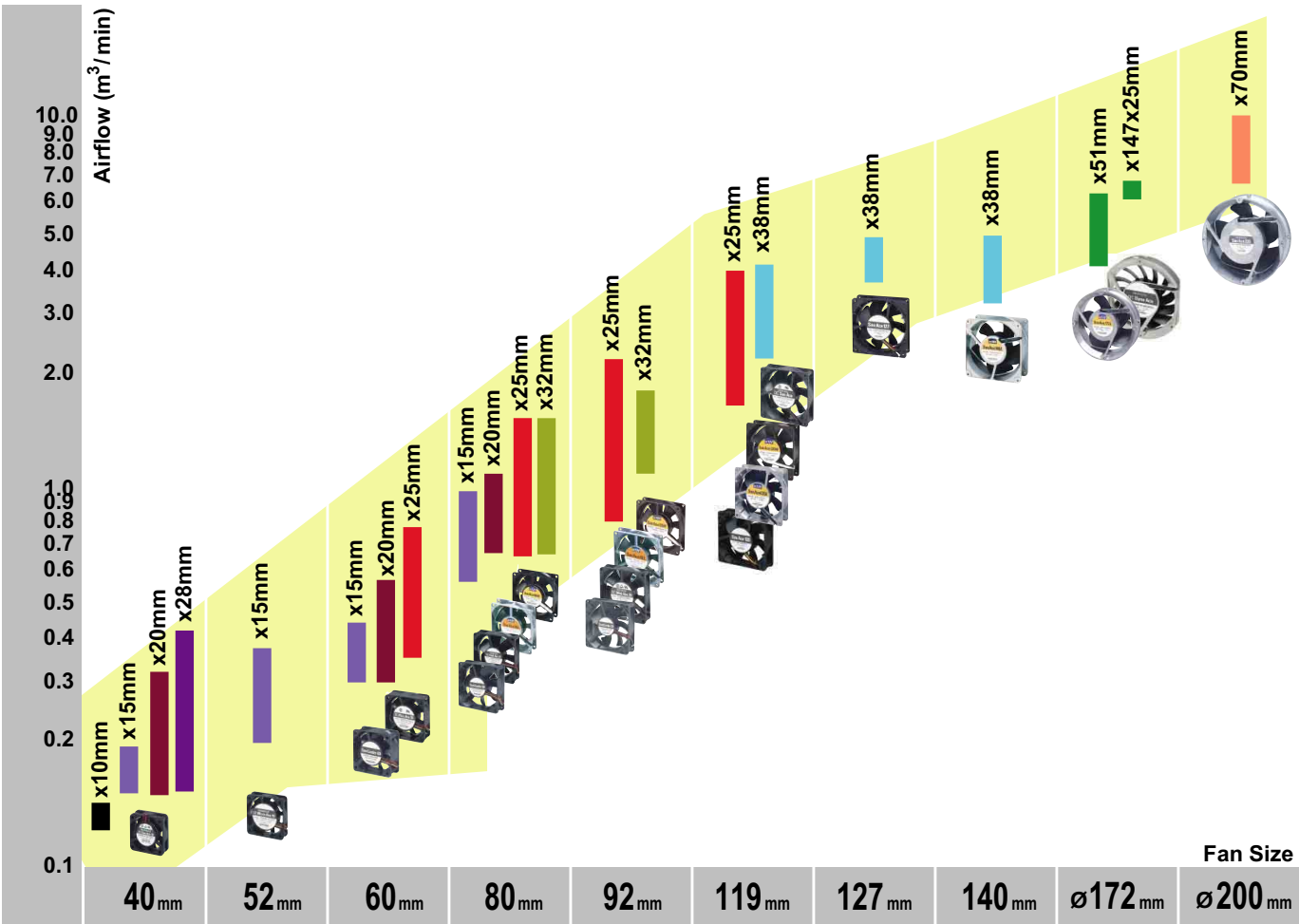
Click to view dimensional drawings

- Models without sensor
- Ribless models without sensor
- Models with sensor
- Ribless Models with sensor

Notes: (1) Listed models are non-sensor types  
(2) Airflow, power input, speed and noise ratings are at nominal voltage against zero static pressure.  
(3) Static pressure ratings are at nominal voltage against zero air flow.  
(4) Noise ratings are average values as measured from a point one (1) meter from intake of fan suspended in an anechoic chamber.  
(5) Air performance curves show fan outputs with unobstructed inlets and outlets.  
(6) Some model types are without UL, CSA and TÜV approvals.

## DC San Ace

High performance axial fans ranging from 40mm square to Ø200mm in 5, 12, 24 and 48 Vdc. Airflow from 3.18 to 369 CFM.



## San Cooler

New series of axial fans manufactured at SANYO DENKI PHILIPPINES. Comparable performance to DC SAN ACE with cost reductions from savings due to newly designed fan construction and lower manufacturing costs.



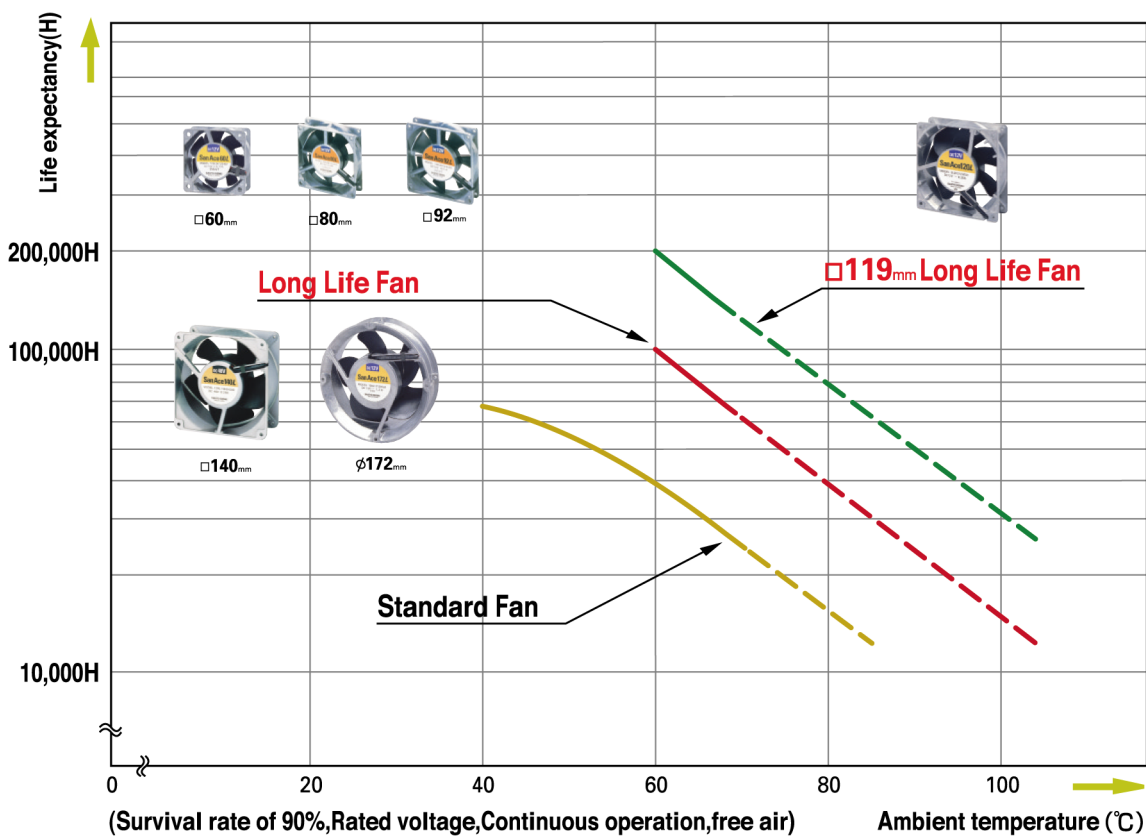
## Scirocco Ace

High performance centrifugal blowers in 4 sizes from 76mm to 160mm square at 12Vdc and 24Vdc. Airflow from 8.8 to 57.2 cfm.



## Long Life Fans

Fans capable of 100,000 - 200,000 of maintenance-free continuous operation at 60°C.



## Splash Proof Fans

Wide range of IPX4 and IP55 rated water protected fans.



| Size   | 60mm X 25mm    | 80mm X 25mm | 92mm X 25mm | 119mm X 38mm | 140mm X 38mm | 140mm X 51mm |
|--------|----------------|-------------|-------------|--------------|--------------|--------------|
| Series |                |             |             |              |              |              |
| W      | _____          | IP55        | IP55        | IP55         | IP55         | IP55         |
| WS     | _____          | IPX4        | IPX4        | IPX4         | _____        | _____        |
| WA     | Oil protected  | _____       | _____       | _____        | _____        | _____        |
| All    | Humi-Seal 1A27 |             |             |              |              |              |