

## DC Fan Motors

# Long Life Fan   120mm

## SAN ACE 120L

### General specifications

Life expectancy .....200,000 hours, indoor environment(survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)

Motor protection system ..Current cut system (with reverse-connection protection)

Dielectric strength .....50/60 Hz, 500 VAC, 1 minute  
(between lead conductor and frame)

Operating thermally range -10°C to +60°C (non-condensing)

Fan power lead .....H speed, ⊕ red, ⊖ black  
M speed, ⊕ red, ⊖ blue



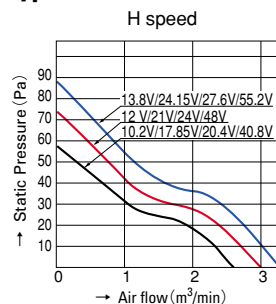
Long Life Fans

**38mm thick**

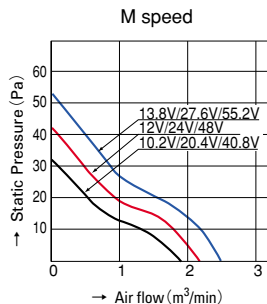
### Specifications

| Model No     | Rated voltage (V) | Operating voltage range (V) | Rated current (A) | Rated input (W) | Rated rotating speed (min <sup>-1</sup> ) | Air flow (m <sup>3</sup> /min) | Static pressure (Pa) | Noise (dB[A]) | Mass (g) |
|--------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------------------|--------------------------------|----------------------|---------------|----------|
| 109L1212H102 | 12                | 10.2~13.8                   | 0.4               | 4.8             | 2,850                                     | 3.0                            | 106.0                | 70.5          | 370      |
| 109L1212M102 |                   |                             | 0.22              | 2.64            | 2,150                                     | 2.25                           | 79.4                 | 41.1          |          |
| 109L1221H102 |                   |                             | 0.24              | 5.04            | 2,850                                     | 3.0                            | 106.0                | 70.5          |          |
| 109L1224H102 | 24                | 20.4~27.6                   | 0.21              | 5.04            | 2,850                                     | 3.0                            | 106.0                | 70.5          |          |
| 109L1224M102 |                   |                             | 0.1               | 2.4             | 2,150                                     | 2.25                           | 79.4                 | 41.1          |          |
| 109L1248H102 | 48                | 40.8~55.2                   | 0.12              | 5.76            | 2,850                                     | 3.0                            | 106.0                | 70.5          |          |
| 109L1248M102 |                   |                             | 0.06              | 2.88            | 2,150                                     | 2.25                           | 79.4                 | 41.1          |          |

### Typical air flow and static pressure characteristics



109L1212H102  
109L1221H102  
109L1224H102  
109L1248H102



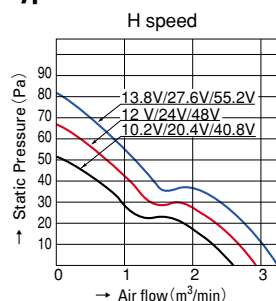
109L1212M102  
109L1224M102  
109L1248M102

**38mm thick Low noise type**

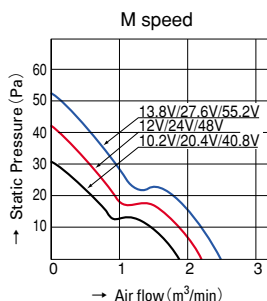
### Specifications

| Model No    | Rated voltage (V) | Operating voltage range (V) | Rated current (A) | Rated input (W) | Rated rotating speed (min <sup>-1</sup> ) | Air flow (m <sup>3</sup> /min) | Static pressure (Pa) | Noise (dB[A]) | Mass (g) |
|-------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------------------|--------------------------------|----------------------|---------------|----------|
| 9LB1212H102 | 12                | 10.2~13.8                   | 0.39              | 4.68            | 2,600                                     | 2.9                            | 102.4                | 67.62         | 370      |
| 9LB1212M102 |                   |                             | 0.22              | 2.64            | 2,000                                     | 2.2                            | 77.7                 | 42.14         |          |
| 9LB1224H102 |                   |                             | 0.19              | 4.56            | 2,600                                     | 2.9                            | 102.4                | 67.62         |          |
| 9LB1224M102 | 24                | 20.4~27.6                   | 0.11              | 2.64            | 2,000                                     | 2.2                            | 77.7                 | 42.14         |          |
| 9LB1248H102 |                   |                             | 0.11              | 5.28            | 2,600                                     | 2.9                            | 102.4                | 67.62         |          |
| 9LB1248M102 | 48                | 40.8~55.2                   | 0.06              | 2.88            | 2,000                                     | 2.2                            | 77.7                 | 42.14         |          |

### Typical air flow and static pressure characteristics



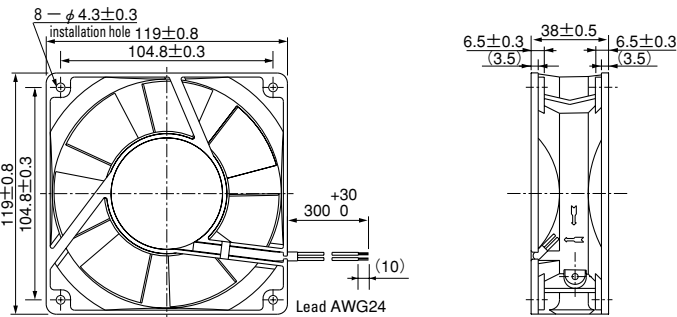
9LB1212H102  
9LB1224H102  
9LB1248H102



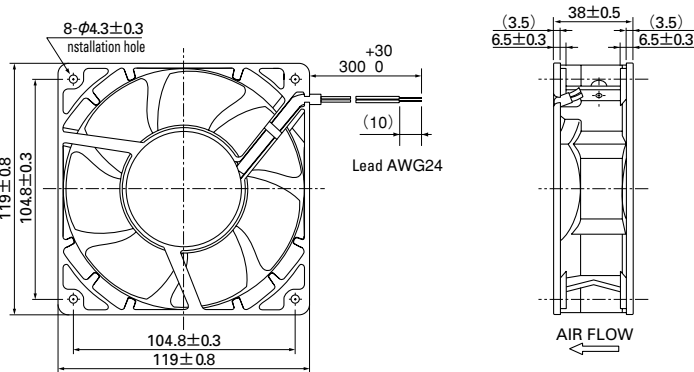
9LB1212M102  
9LB1224M102  
9LB1248M102

120mm

Dimensions (unit : mm)



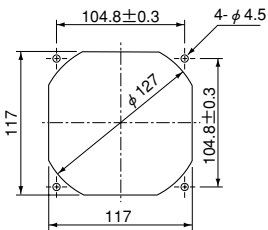
Standard type



Low noise type

Reference dimensional diagram for installation holes (unit : mm)

Discharge sides • Suction sides



120mm

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