

## DC Fan Motors

# Long Life Fan   120mm

## SAN ACE 120L G Type

### General specifications

Life expectancy ..... 100,000 hours (H, F, M speeds), 80,000 hours (G, E speeds),  
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)

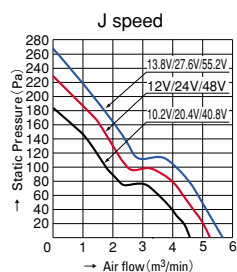
Fan power lead ..... G, E, H, F speeds, ⊕ red, ⊖ black  
M speed, ⊕ red, ⊖ blue

## 38mm thick

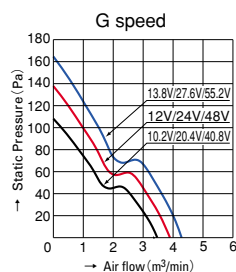
### Specifications

| 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) |
|-------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------------------|--------------------------------|----------------------|---------------|----------|
| 9GL1212J102 | 12                | 10.2~13.8                   | 1.9               | 22.8            | 4,800                                     | 5.10                           | 180                  | 230           | 57       |
| 9GL1212G102 |                   |                             | 0.98              | 11.8            | 3,600                                     | 3.88                           | 137                  | 49            | 370      |
| 9GL1212E102 |                   |                             | 0.61              | 7.32            | 3,100                                     | 3.34                           | 118                  | 46            |          |
| 9GL1212H102 |                   |                             | 0.38              | 4.56            | 2,600                                     | 2.80                           | 99                   | 70.4          |          |
| 9GL1212F102 |                   |                             | 0.28              | 3.36            | 2,280                                     | 2.45                           | 87                   | 54.2          |          |
| 9GL1212M102 |                   |                             | 0.21              | 2.52            | 1,950                                     | 2.10                           | 74                   | 39.6          |          |
| 9GL1224J102 | 24                | 20.4~27.6                   | 1.0               | 24.0            | 4,800                                     | 5.10                           | 180                  | 230           |          |
| 9GL1224G102 |                   |                             | 0.50              | 12.0            | 3,600                                     | 3.88                           | 137                  | 49            |          |
| 9GL1224E102 |                   |                             | 0.34              | 8.16            | 3,100                                     | 3.34                           | 118                  | 46            |          |
| 9GL1224H102 |                   |                             | 0.22              | 5.28            | 2,600                                     | 2.80                           | 99                   | 70.4          |          |
| 9GL1224F102 |                   |                             | 0.16              | 3.84            | 2,280                                     | 2.45                           | 87                   | 54.2          |          |
| 9GL1224M102 |                   |                             | 0.11              | 2.64            | 1,950                                     | 2.10                           | 74                   | 39.6          |          |
| 9GL1248J102 | 48                | 40.8~55.2                   | 0.51              | 24.5            | 4,800                                     | 5.10                           | 180                  | 230           |          |
| 9GL1248G102 |                   |                             | 0.25              | 12.0            | 3,600                                     | 3.88                           | 137                  | 49            |          |
| 9GL1248E102 |                   |                             | 0.17              | 8.16            | 3,100                                     | 3.34                           | 118                  | 46            |          |
| 9GL1248H102 |                   |                             | 0.11              | 5.28            | 2,600                                     | 2.80                           | 99                   | 70.4          |          |
| 9GL1248F102 |                   |                             | 0.09              | 4.32            | 2,280                                     | 2.45                           | 87                   | 54.2          |          |
| 9GL1248M102 |                   |                             | 0.07              | 3.36            | 1,950                                     | 2.10                           | 74                   | 39.6          |          |

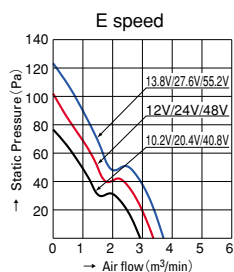
### Typical air flow and static pressure characteristics



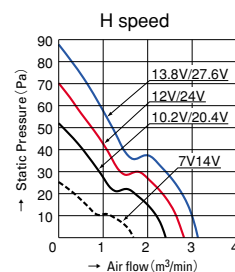
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9GL1224J102  
9GL1248J102



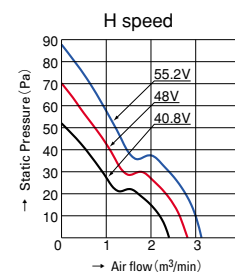
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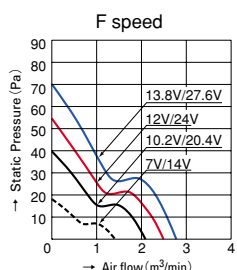
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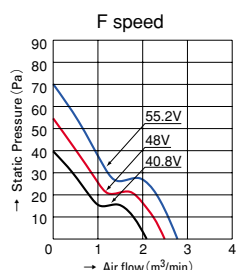
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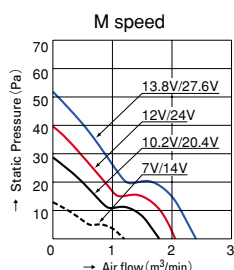
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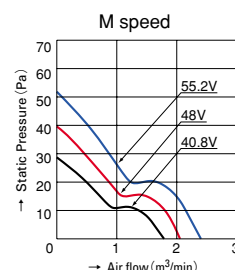
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9GL1224F102



9GL1248F102



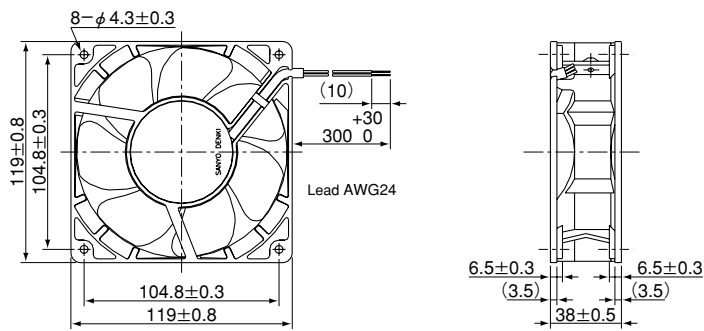
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9GL1248M102

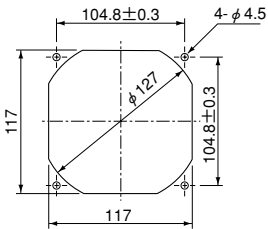


Dimensions (unit : mm)



Reference dimensional diagram for installation holes (unit : mm)

Discharge sides • Suction sides



120mm

SANYO DENKI

1-15-1, Kita-otsuka, Toshima-ku, Tokyo 170-8451, Japan. PHONE : +81 3 3917 5151  
Home Page: <http://www.sanyodenki.co.jp>

Rev.B