

## DC Fan Motors

# SAN ACE   60mm

## PICO ACE

### Silent (R type), high rotating speed

#### General specifications

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)

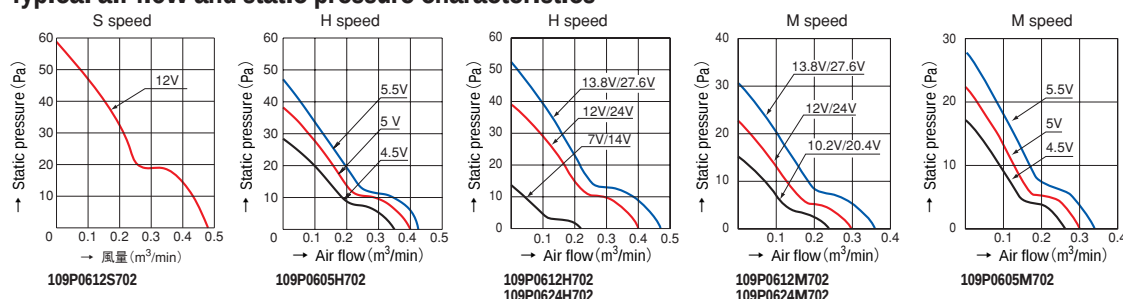
Fan power lead ······· J, G, D, S, H, F, W speeds, ⊕ red, ⊖ black  
M speed, ⊕ red, ⊖ blue



### 15mm 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) |
|--------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------------------|--------------------------------|----------------------|---------------|----------|
| 109P0605H702 | 5                 | 4.5~5.5                     | 0.26              | 1.30            | 4,100                                     | 0.40                           | 14.1                 | 38.2          | 60       |
| 109P0605M702 |                   |                             | 0.15              | 0.75            | 3,100                                     | 0.30                           | 10.6                 | 22.6          |          |
| 109P0612S702 |                   |                             | 0.15              | 1.80            | 5,000                                     | 0.48                           | 17.0                 | 58.8          |          |
| 109P0612H702 | 12                | 7~13.8                      | 0.09              | 1.08            | 4,100                                     | 0.40                           | 14.1                 | 38.2          |          |
| 109P0612M702 |                   |                             | 0.07              | 0.84            | 3,100                                     | 0.3                            | 10.6                 | 22.6          |          |
| 109P0624H702 |                   |                             | 0.06              | 1.44            | 4,100                                     | 0.4                            | 14.1                 | 38.2          |          |
| 109P0624M702 | 24                | 20.4~27.6                   | 0.04              | 0.96            | 3,100                                     | 0.3                            | 10.6                 | 22.6          |          |

#### Typical air flow and static pressure characteristics

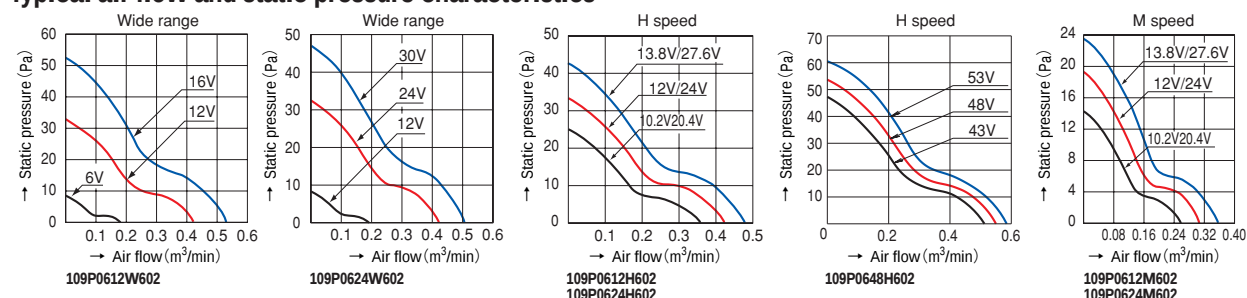


60mm

### 20mm 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) |
|--------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------------------|--------------------------------|----------------------|---------------|----------|
| 109P0612W602 | 12                | 6~16                        | 0.13              | 1.56            | 4,200                                     | 0.42                           | 14.8                 | 31            | 90       |
| 109P0612H602 |                   |                             | 0.13              | 1.56            | 4,200                                     | 0.42                           | 14.8                 | 31            |          |
| 109P0612M602 |                   |                             | 0.09              | 1.08            | 3,200                                     | 0.30                           | 10.6                 | 18.8          |          |
| 109P0624W602 | 24                | 12~30                       | 0.07              | 1.68            | 4,200                                     | 0.42                           | 14.8                 | 31            |          |
| 109P0624H602 |                   |                             | 0.07              | 1.68            | 4,200                                     | 0.42                           | 14.8                 | 31            |          |
| 109P0624M602 |                   |                             | 0.05              | 1.2             | 3,200                                     | 0.30                           | 10.6                 | 18.8          |          |
| 109P0648H602 | 48                | 43~53                       | 0.07              | 3.36            | 5,600                                     | 0.55                           | 19.4                 | 52.92         | 41       |

#### Typical air flow and static pressure characteristics

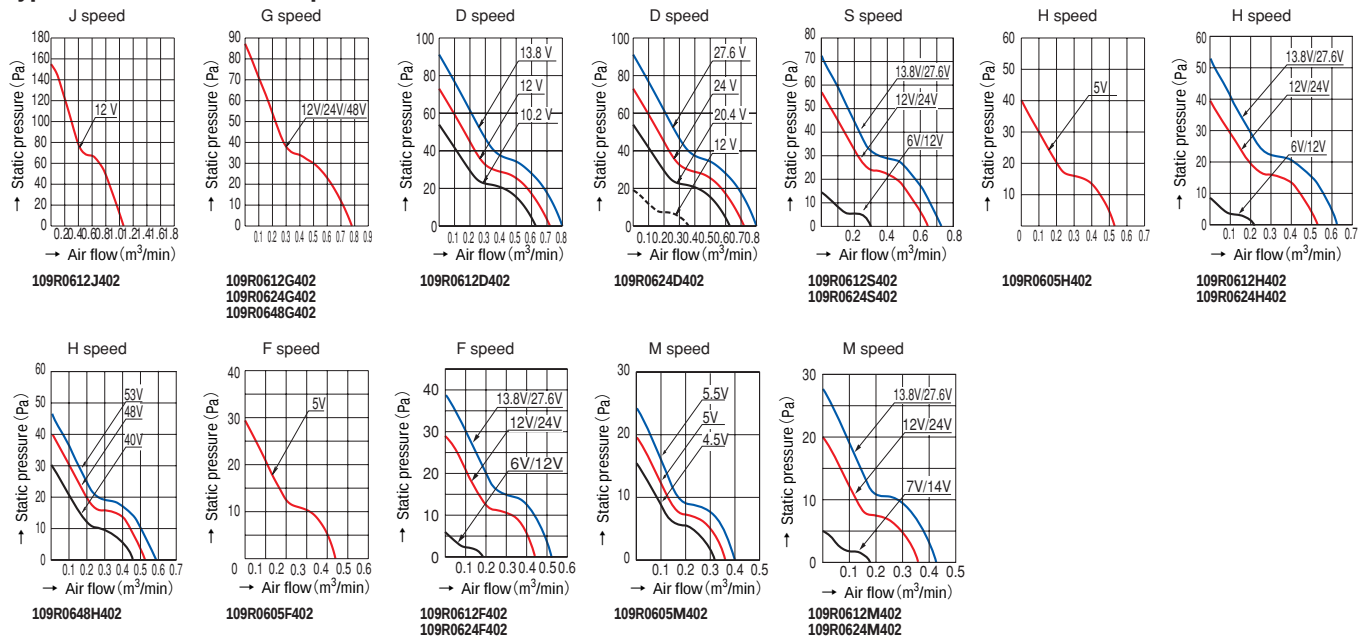


# 25mm thick Specifications

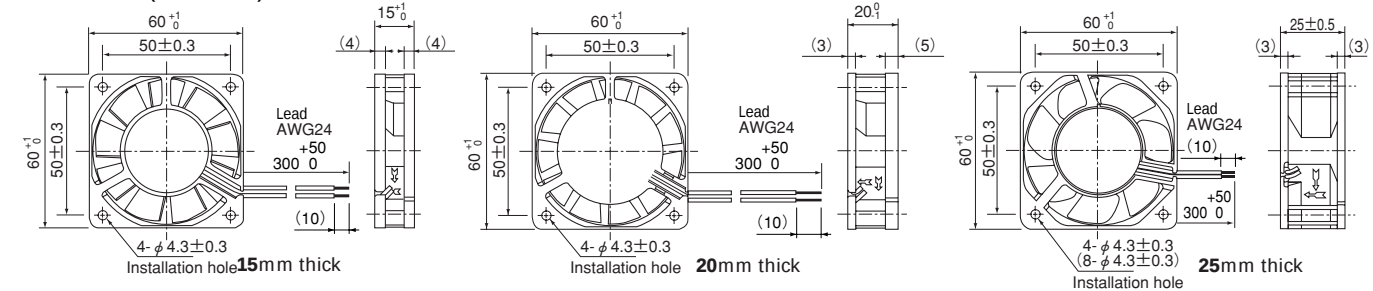
| Model No           | Rated voltage (V) | Operating voltage range (V) | Rated current (A) | Rated input (W) | Rated rotating speed (min <sup>-1</sup> ) | Air flow (m <sup>3</sup> /min) (CFM) | Static pressure (Pa) | Noise (dB(A)) | Mass (g) |
|--------------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------------------|--------------------------------------|----------------------|---------------|----------|
| 109R0605H402(4021) | 5                 | 4.5~5.5                     | 0.34              | 1.70            | 3,800                                     | 0.58                                 | 20.5                 | 40.2          | 28       |
| 109R0605F402(4021) |                   |                             | 0.20              | 1.00            | 3,200                                     | 0.44                                 | 15.5                 | 29.4          | 24       |
| 109R0605M402(4021) |                   |                             | 0.13              | 0.65            | 2,600                                     | 0.36                                 | 12.7                 | 19.6          | 20       |
| 109R0612J402(4021) | 12                | 10.8~13.2                   | 0.47              | 5.64            | 7,600                                     | 1.05                                 | 37.1                 | 155.0         | 44       |
| 109R0612G402(4021) |                   |                             | 0.24              | 2.88            | 5,600                                     | 0.74                                 | 26.1                 | 88.0          | 39       |
| 109R0612D402(4021) |                   | 10.2~13.8                   | 0.21              | 2.52            | 5,150                                     | 0.72                                 | 25.4                 | 73.5          | 37       |
| 109R0612S402(4021) |                   |                             | 0.17              | 2.04            | 4,600                                     | 0.65                                 | 23.0                 | 56.8          | 33       |
| 109R0612H402(4021) |                   | 6~13.8                      | 0.11              | 1.32            | 3,800                                     | 0.53                                 | 18.7                 | 40.2          | 28       |
| 109R0612F402(4021) |                   |                             | 0.09              | 1.08            | 3,200                                     | 0.44                                 | 15.5                 | 29.4          | 24       |
| 109R0612M402(4021) | 24                | 7~13.8                      | 0.06              | 0.72            | 2,600                                     | 0.36                                 | 12.7                 | 19.6          | 20       |
| 109R0624G402(4021) |                   |                             | 0.13              | 3.12            | 5,600                                     | 0.74                                 | 26.1                 | 88.0          | 39       |
| 109R0624D402(4021) |                   | 12~27.6                     | 0.12              | 2.88            | 5,150                                     | 0.72                                 | 25.4                 | 73.5          | 37       |
| 109R0624S402(4021) |                   |                             | 0.08              | 1.92            | 4,600                                     | 0.65                                 | 23.0                 | 56.8          | 33       |
| 109R0624H402(4021) |                   | 14~27.6                     | 0.06              | 1.44            | 3,800                                     | 0.53                                 | 18.7                 | 40.2          | 28       |
| 109R0624F402(4021) |                   |                             | 0.05              | 1.20            | 3,200                                     | 0.44                                 | 15.5                 | 29.4          | 24       |
| 109R0624M402(4021) | 48                | 43~53                       | 0.04              | 0.96            | 2,600                                     | 0.36                                 | 12.7                 | 19.6          | 20       |
| 109R0648G402(4021) |                   | 40~53                       | 0.07              | 3.36            | 5,600                                     | 0.74                                 | 26.1                 | 88.0          | 39       |
| 109R0648H402(4021) |                   |                             | 0.04              | 1.92            | 3,800                                     | 0.53                                 | 18.7                 | 40.2          | 28       |

The numbers in ( ) represent ribless models.

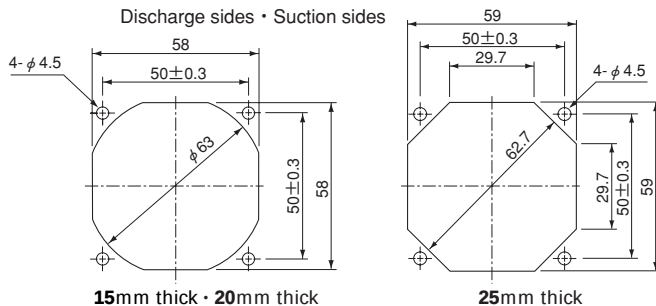
## Typical air flow and static pressure characteristics



## Dimensions (unit : mm)



## Reference dimensional diagram for installation holes (unit : mm)



# SANYO DENKI