



# Transition Guide

---

Sigma-5 SGD V Mounting Adapter Plates

---

**Applicable Products: SGDH, SGDS, SGD G, SGD V**



## About This Document

This document provides dimensional details about mounting the  $\Sigma$ -V series servo amplifier in place of the  $\Sigma$ -II,  $\Sigma$ -III or Legend series servo amplifier. Amplifier mounting adapter plates are available for this purpose.

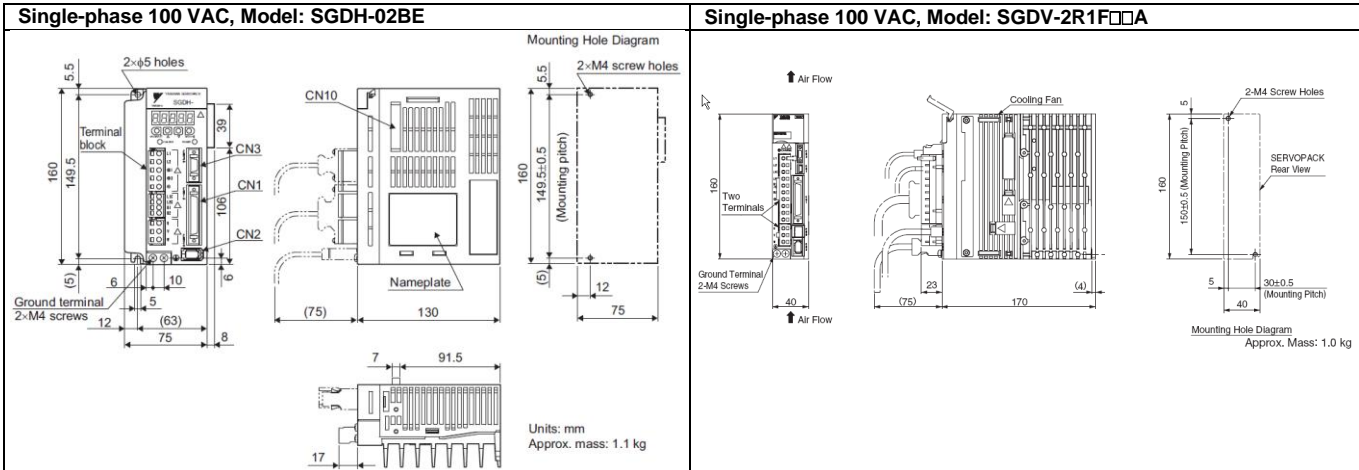
In many cases,  $\Sigma$ -II,  $\Sigma$ -III and Legend series servo amplifiers are not dimensionally compatible with  $\Sigma$ -V series servo amplifiers. See dimensional comparisons below. Amplifier mounting adapter part numbers are listed below each comparison.

### I. $\Sigma$ -II SGDH to $\Sigma$ -V SGD V

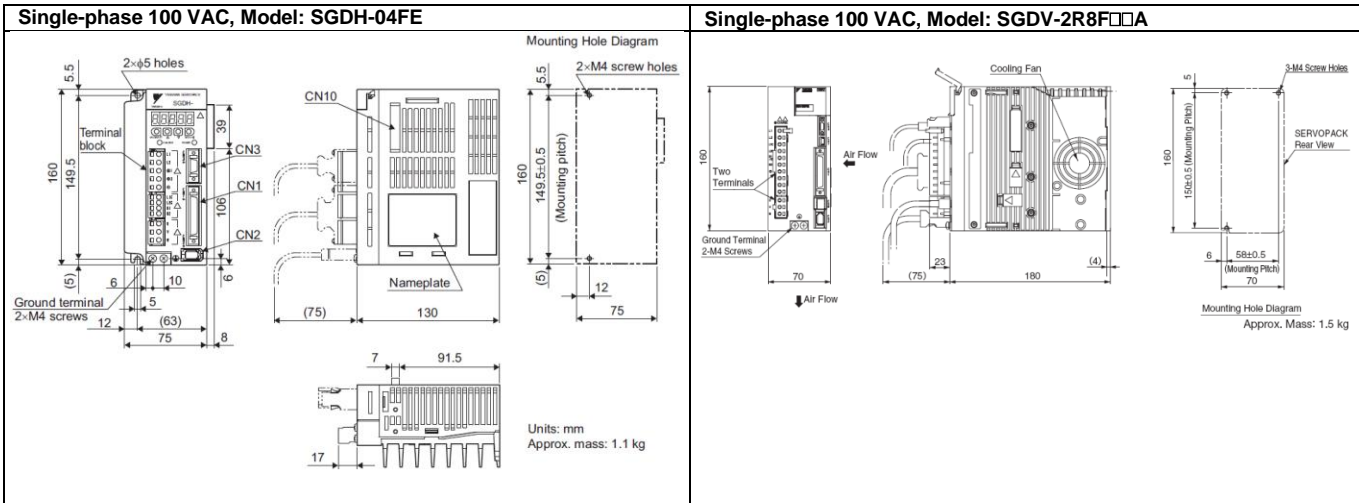
#### 100V Models

Note: Only 200VAC motors are available in the  $\Sigma$ -V series. Select the proper 200VAC motor when using 100VAC servo amplifiers.

| Single-phase 100 VAC, Model: SGD H-A3BE, -A5BE and -01BE               |                         | Single-phase 100 VAC, Model: SGD V-R70F□□A and -R90F□□A |        |                          |                  |           |
|--|-------------------------|---|--------|--------------------------|------------------|-----------|
| <p>Mounting Hole Diagram</p> <p>Units: mm<br/>Approx. mass: 0.8 kg</p> |                         | <p>Mounting Hole Diagram<br/>Approx. Mass: 1.0 kg</p>   |        |                          |                  |           |
| Amplifier  | Overall Dimensions (mm) |   |        | Mounting Dimensions (mm) |                  |           |
|  | Height                  | Width   | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGD H-A3BE, -A5BE and -01BE  | 160                     | 55  | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGD V-R70F□□A and -R90F□□A   | 160                     | 40  | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate   | Part Number: S5-ADP-01  |   |        |                          |                  |           |



| Amplifier                | Overall Dimensions (mm) |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|-------------------------|-------|--------|--------------------------|------------------|-----------|
|                          | Height                  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-02BE                | 160                     | 75    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-2R1F□□A             | 160                     | 40    | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate | Part Number: S5-ADP-01  |       |        |                          |                  |           |



| Amplifier                | Overall Dimensions (mm)   |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|---|-------|--------|--------------------------|------------------|-----------|
|                          | Height  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-04FE                | 160   | 75    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-2R8F□□A             | 160   | 70    | (255)  | 150                      | 58               | 3 x M4    |
| Applicable Adapter Plate | Not Required. Use 2 x M4 Screw Holes instead of all 3 x M4 screw holes. |       |        |                          |                  |           |



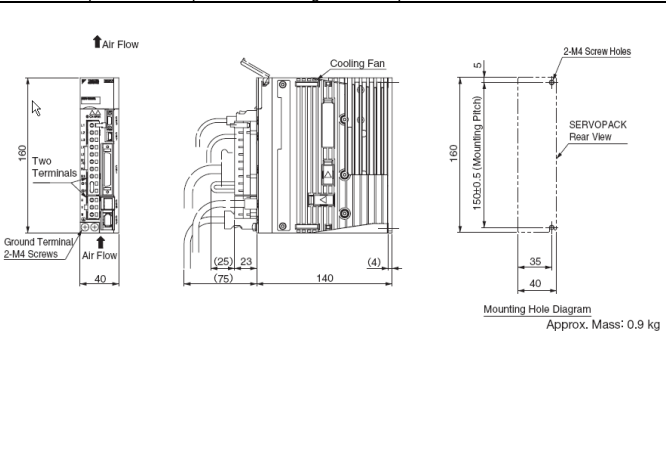
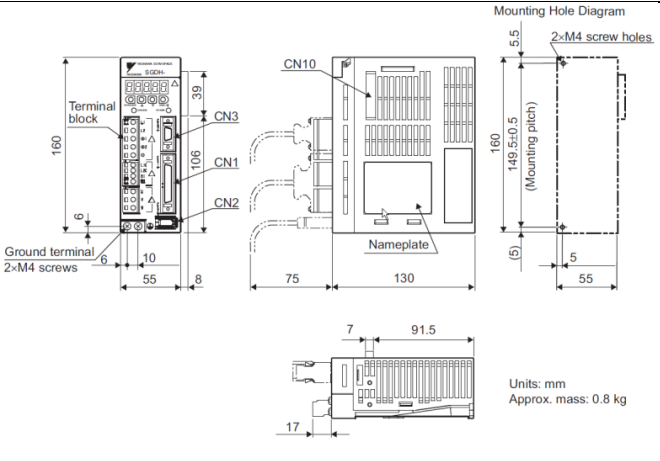


## 200V Models

Single-phase 200 VAC, Model: SGDH-A3AE, -A5AE, -01AE and -02AE

Three-phase 200 VAC, Model: SGDV-R70A□□A\*, -R90A□□A\* and -1R6A□□A\*

\*These amplifiers can be powered with single or three-phase.

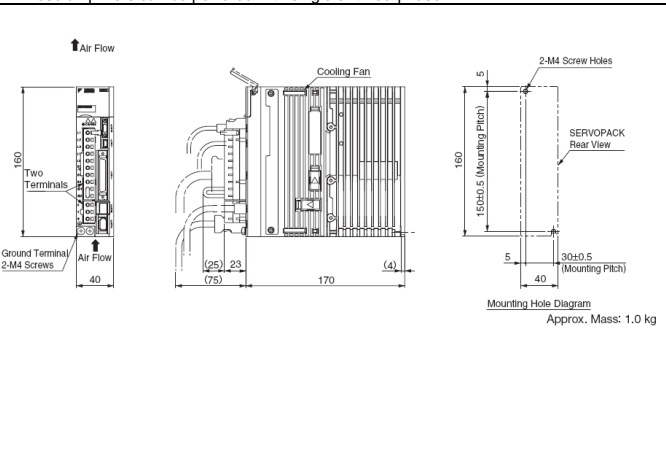
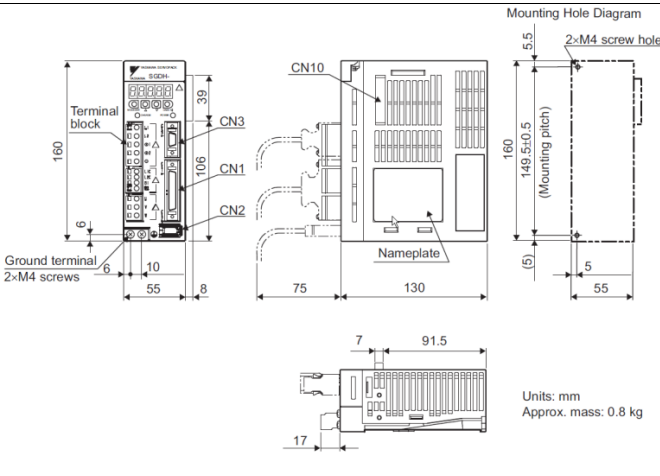


| Amplifier                           | Overall Dimensions (mm) |       |        | Mounting Dimensions (mm) |                  |           |
|-------------------------------------|-------------------------|-------|--------|--------------------------|------------------|-----------|
|                                     | Height                  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-A3AE, -A5AE, -01AE and -02AE   | 160                     | 55    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-R70A□□A, -R90A□□A and -1R6A□□A | 160                     | 40    | (215)  | 150                      | n/a              | 2 x M4    |
| Applicable Adapter Plate            | Part Number: S5-ADP-01  |       |        |                          |                  |           |

Single-phase 200 VAC, Model: SGDH-02AE

Three-phase 200 VAC, Model: SGDV-2R8A□□A\*

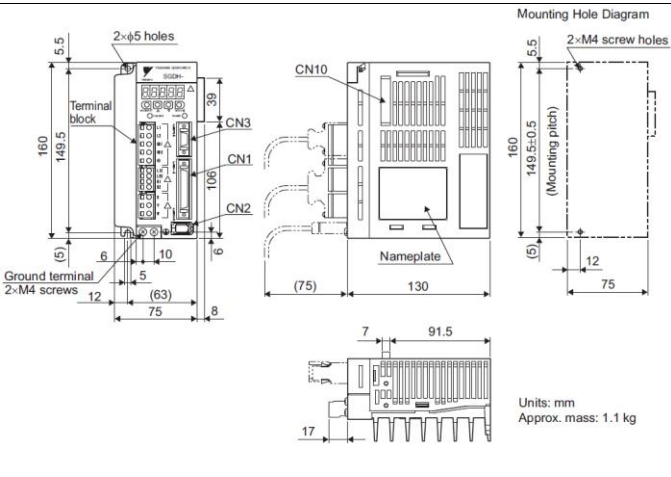
\*These amplifiers can be powered with single or three-phase.



| Amplifier                | Overall Dimensions (mm) |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|-------------------------|-------|--------|--------------------------|------------------|-----------|
|                          | Height                  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-02AE                | 160                     | 55    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-2R8A□□A             | 160                     | 40    | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate | Part Number: S5-ADP-01  |       |        |                          |                  |           |

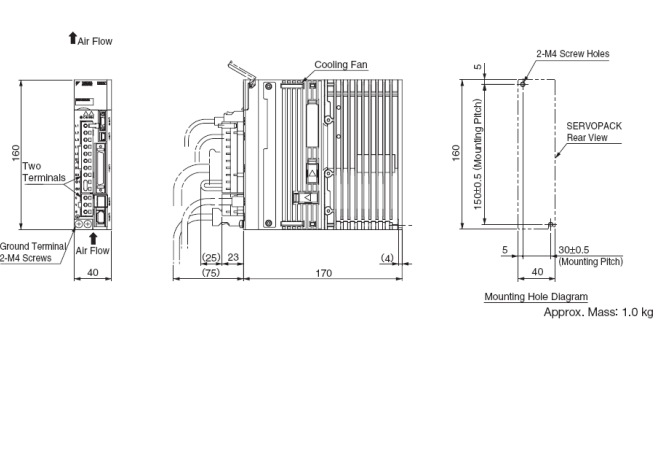


### Single-phase 200 VAC, Model: SGDH-04AE



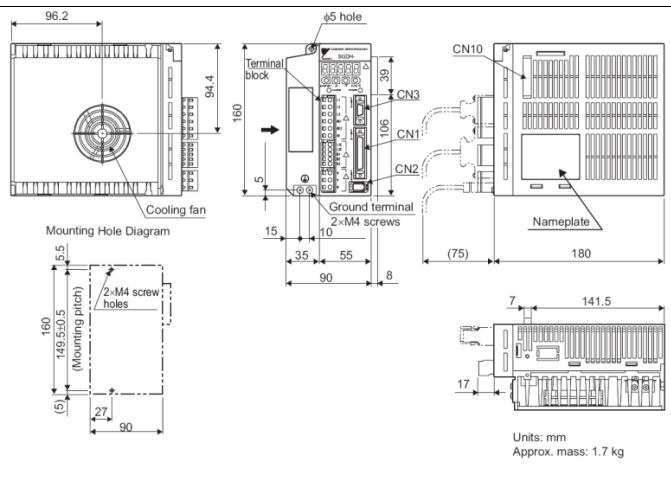
### Three-phase 200 VAC, Model: SGDV-2R8A□□A\*

\*These amplifiers can be powered with single or three-phase.



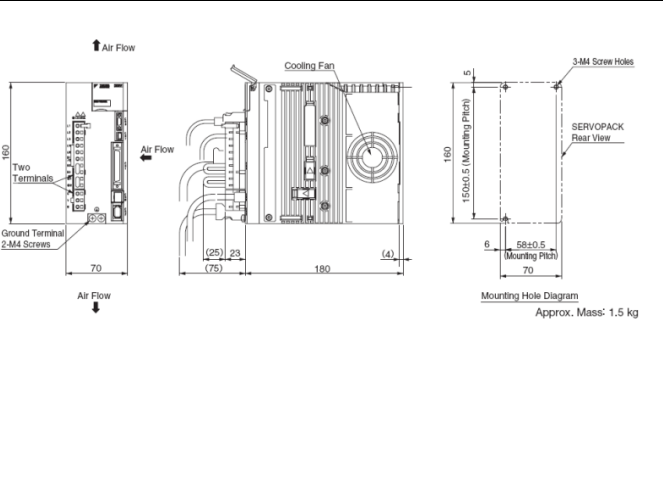
| Amplifier                | Overall Dimensions (mm) |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|-------------------------|-------|--------|--------------------------|------------------|-----------|
|                          | Height                  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-04AE                | 160                     | 75    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-2R8A□□A             | 160                     | 40    | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate | Part Number: S5-ADP-01  |       |        |                          |                  |           |

### Three-phase 200 VAC, Model: SGDH-05AE, -08AE and -10AE Single-phase 220 VAC, Model: SGDH-08AE-S



### Three-phase 200 VAC, Model: SGDV-3R8A□□A\*, -5R5A□□A\* and -7R6A□□A

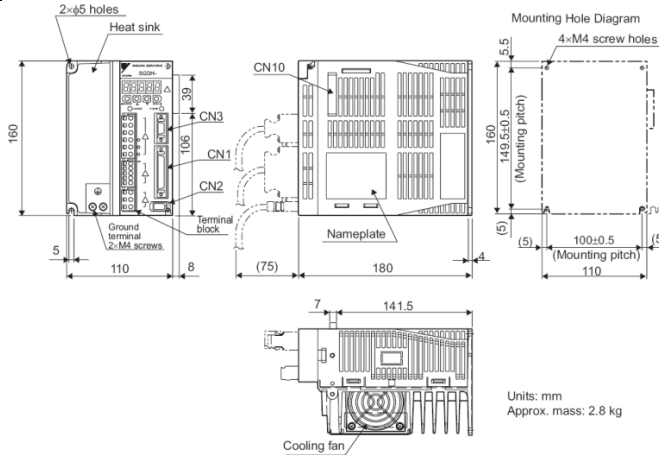
\* These amplifiers can be powered with single or three-phase.



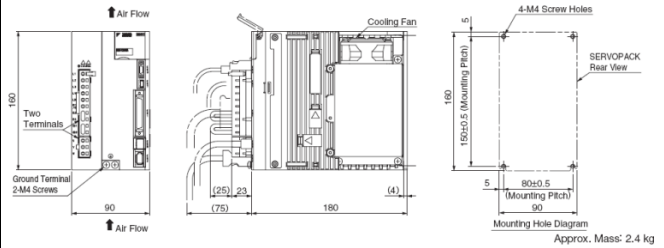
| Amplifier   | Overall Dimensions (mm) |       |        | Mounting Dimensions (mm) |                  |           |
|---|-------------------------|-------|--------|--------------------------|------------------|-----------|
|   | Height                  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-05AE, -08AE, -08AE-S and -10AE   | 160                     | 90    | (255)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-3R8A□□A, -5R5A□□A and -7R6A□□A   | 160                     | 70    | (255)  | 150                      | 58               | 3 x M4    |
| Applicable Adapter Plate  | Part Number: S5-ADP-02  |       |        |                          |                  |           |
| Adapter plate requires two button head screws to mount plate to existing mounting holes in panel. |                         |       |        |                          |                  |           |



### Three-phase 200 VAC, Model: SGDH-15AE

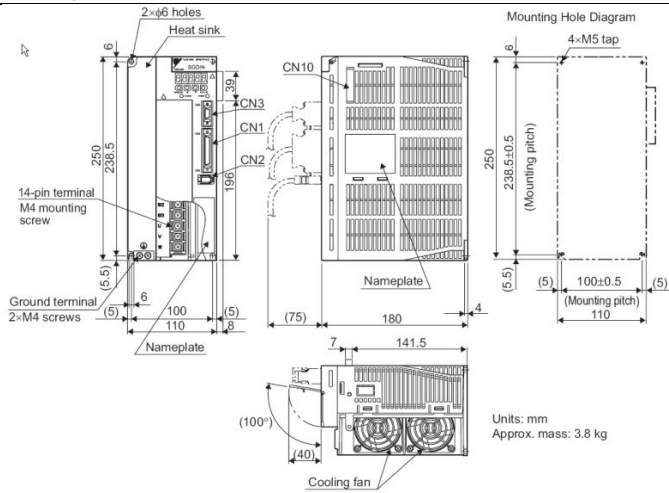


### Three-phase 200 VAC, Model: SGDV-120A□□A

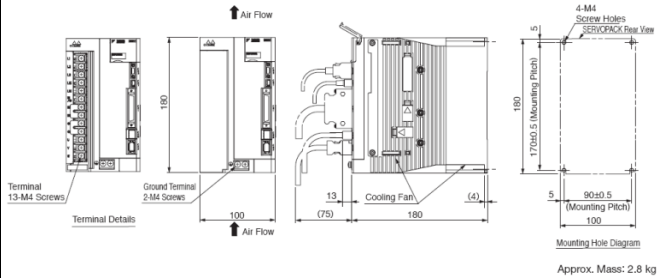


| Amplifier                | Overall Dimensions (mm) |       |       | Mounting Dimensions (mm) |                  |           |
|--------------------------|-------------------------|-------|-------|--------------------------|------------------|-----------|
|                          | Height                  | Width | Depth | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-15AE                | 160                     | 110   | (255) | 149.5                    | 100              | 4 x M4    |
| SGDV-120A□□A             | 160                     | 90    | (255) | 150                      | 80               | 4 x M4    |
| Applicable Adapter Plate | Part Number: S5-ADP-03  |       |       |                          |                  |           |

### Single-phase 220 VAC, Model: SGDH-15AE-S Three-phase 200 VAC, Model: SGDH-20E and -30AE



### Single-phase 200 VAC, Model: SGDV-120A□1A008000 Three-phase 200 VAC, Model: SGDV-180A□□A and -200A□□A



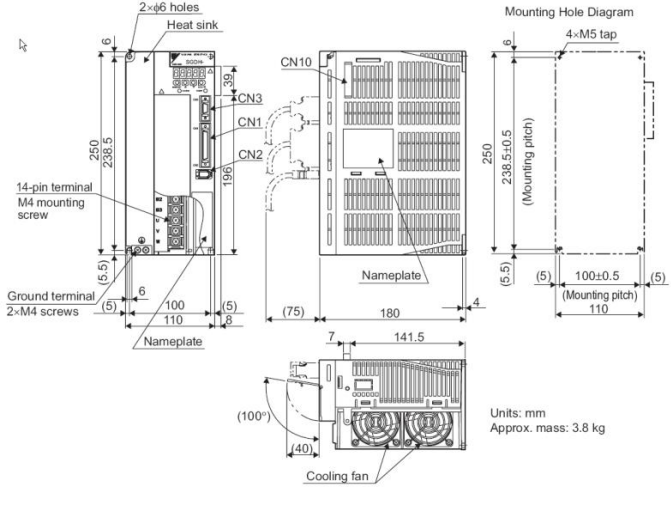
| Amplifier                                 | Overall Dimensions (mm) |       |       | Mounting Dimensions (mm) |                  |           |
|---|-------------------------|-------|-------|--------------------------|------------------|-----------|
|   | Height                  | Width | Depth | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-15AE-S, -20AE and -30AE              | 250                     | 110   | (255) | 238.5                    | 100              | 4 x M5    |
| SGDV-120A□1A008000, -180A□□A and -200A□□A | 180                     | 100   | (255) | 170                      | 90               | 4 x M4    |
| Applicable Adapter Plate                  | Part Number: S5-ADP-04  |       |       |                          |                  |           |



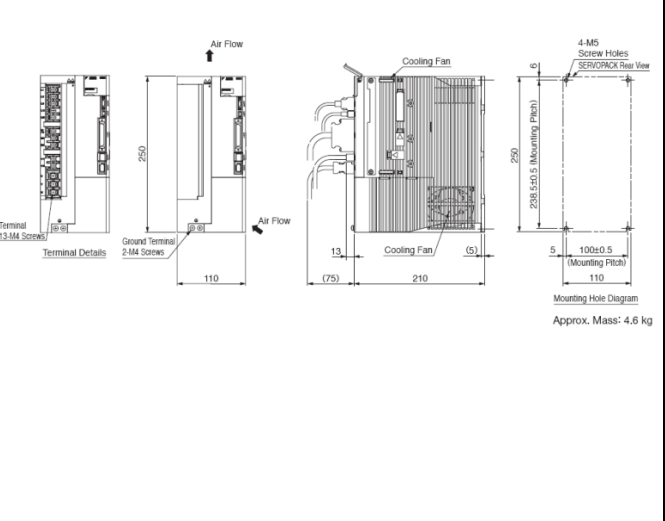




### Three-phase 200 VAC, Model: SGDH-30AE

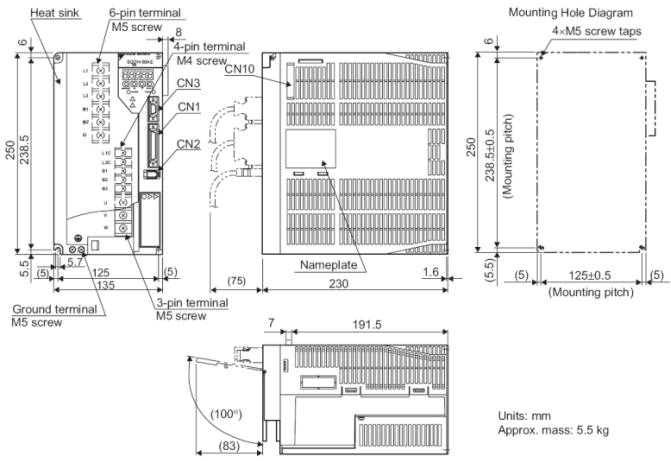


### Three-phase 200 VAC, Model: SGDV-330A□□A (when used with SGMGV-30A)

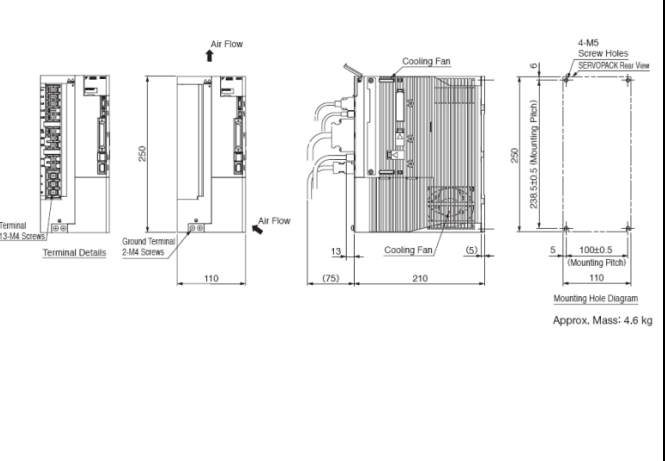


| Amplifier                    | Overall Dimensions (mm) |       |       | Mounting Dimensions (mm) |                  |           |
|------------------------------|-------------------------|-------|-------|--------------------------|------------------|-----------|
|                              | Height                  | Width | Depth | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-15AE-S, -20AE and -30AE | 250                     | 110   | (255) | 238.5                    | 100              | 4 x M5    |
| SGDV-330A□□A                 | 250                     | 110   | (285) | 238.5                    | 100              | 4 x M5    |
| Applicable Adapter Plate     | Not required.           |       |       |                          |                  |           |

### Three-phase 200 VAC, Model: SGDH-50AE



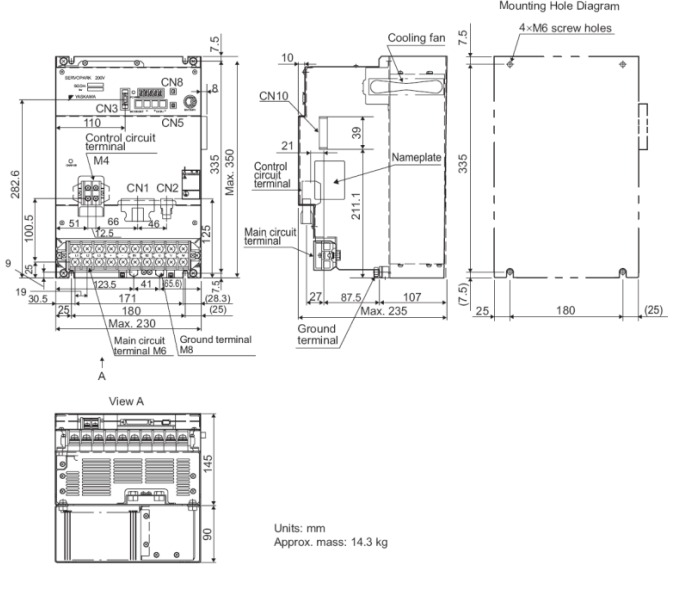
### Three-phase 200 VAC, Model: SGDV-330A□□A



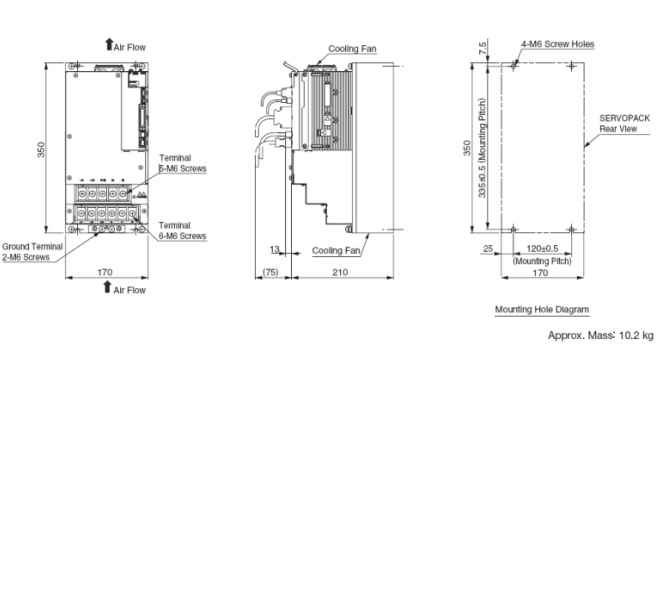
| Amplifier                | Overall Dimensions     |            |            | Mounting Dimensions |                  |           |
|--------------------------|------------------------|------------|------------|---------------------|------------------|-----------|
|                          | Height (mm)            | Width (mm) | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-50AE                | 250                    | 135        | (305)      | 238.5               | 125              | 4 x M5    |
| SGDV-330A□□A             | 250                    | 110        | (285)      | 238.5               | 100              | 4 x M5    |
| Applicable Adapter Plate | Part Number: S5-ADP-05 |            |            |                     |                  |           |



### Three-phase 200 VAC, Model: SGDH-60AE and -75AE



### Three-phase 200 VAC, Model: SGDV-470A□□A and -550A□□A

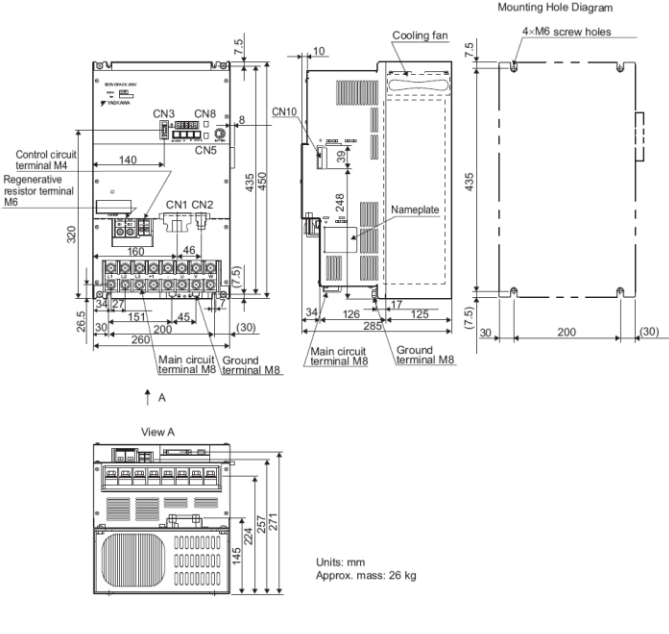


| Amplifier                 | Overall Dimensions     |            |              | Mounting Dimensions |                  |           |
|---------------------------|------------------------|------------|--------------|---------------------|------------------|-----------|
|                           | Height (mm)            | Width (mm) | Depth (mm)   | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-60AE and -75AE       | 350                    | <b>230</b> | <b>235</b>   | 335                 | <b>180</b>       | 4 x M6    |
| SGDV-470A□□A and -550A□□A | 350                    | <b>170</b> | <b>(285)</b> | 335                 | <b>120</b>       | 4 x M6    |
| Applicable Adapter Plate  | Part Number: S5-ADP-06 |            |              |                     |                  |           |

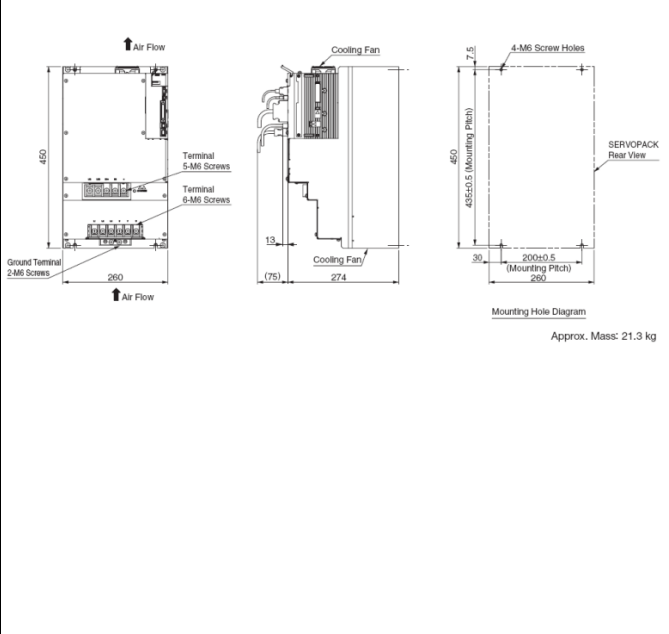




### Three-phase 200 VAC, Model: SGDH-1AAE and -1EAE



### Three-phase 200 VAC, Model: SGDV-590A□□A and -780A□□A



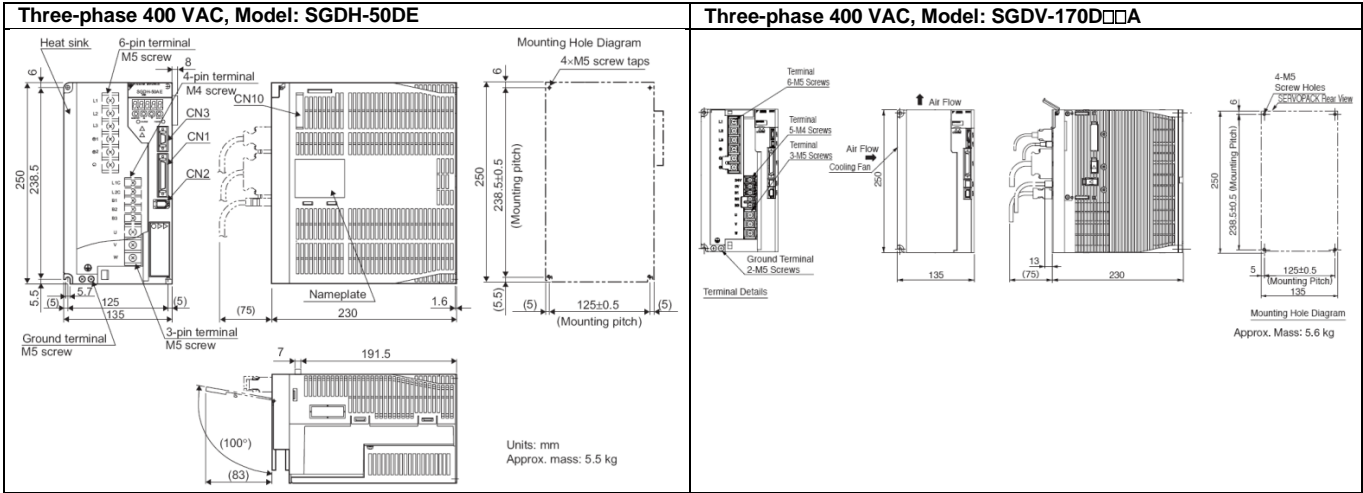
| Amplifier                 | Overall Dimensions |            |            | Mounting Dimensions |                  |           |
|---------------------------|--------------------|------------|------------|---------------------|------------------|-----------|
|                           | Height (mm)        | Width (mm) | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-1AAE and -1EAE       | 450                | 260        | 285        | 435                 | 200              | 4 x M6    |
| SGDV-590A□□A and -780A□□A | 450                | 260        | (324)      | 435                 | 200              | 4 x M6    |
| Applicable Adapter Plate  | Not Required.      |            |            |                     |                  |           |



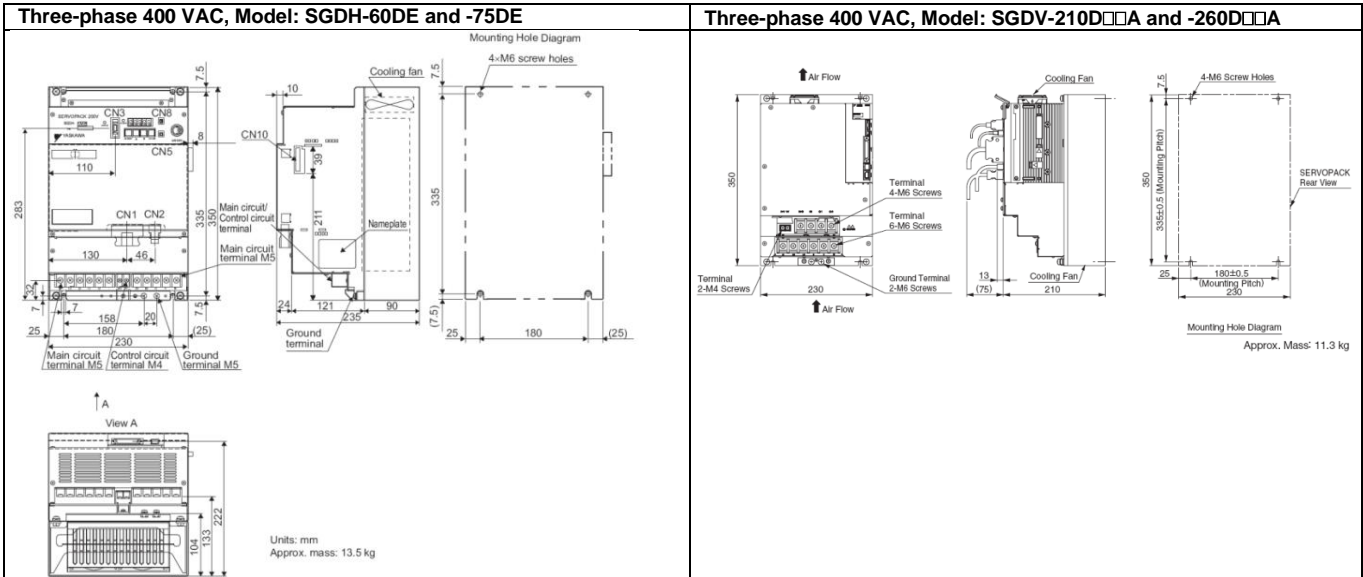
## 400V Models

| Three-phase 400 VAC, Model: SGDH-05DE, -08DE, -10DE and -15DE |                    | Three-phase 400 VAC, Model: SGDV-1R9D□□A, -3R5D□□A, and -5R4D□□A |            |                     |                  |           |
|---|--------------------|--|------------|---------------------|------------------|-----------|
|   |                    |  |            |                     |                  |           |
| Amplifier   | Overall Dimensions |  |            | Mounting Dimensions |                  |           |
|   | Height (mm)        | Width (mm)   | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-05DE, -08DE, -10DE and -15DE                             | 160                | 110  | (255)      | 149.5               | 100              | 4 x M4    |
| SGDV-1R9D□□A, -3R5D□□A, and -5R4D□□A                          | 160                | 110  | (255)      | 149.5               | 100              | 4 x M4    |
| Applicable Adapter Plate                                      | Not Required.      |  |            |                     |                  |           |

| Three-phase 400 VAC, Model: SGDH-20DE and -30DE |                    | Three-phase 400 VAC, Model: SGDV-8R4D□□A and -120D□□A |            |                     |                  |           |
|---|--------------------|---|------------|---------------------|------------------|-----------|
|   |                    |   |            |                     |                  |           |
| Amplifier                                       | Overall Dimensions |   |            | Mounting Dimensions |                  |           |
|   | Height (mm)        | Width (mm)  | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-20DE and -30DE                             | 250                | 110   | (255)      | 238.5               | 100              | 4 x M5    |
| SGDV-8R4D□□A and -120D□□A                       | 250                | 110   | (255)      | 238.5               | 100              | 4 x M5    |
| Applicable Adapter Plate                        | Not Required.      |   |            |                     |                  |           |



| Amplifier                | Overall Dimensions |            |            | Mounting Dimensions |                  |           |
|--------------------------|--------------------|------------|------------|---------------------|------------------|-----------|
|                          | Height (mm)        | Width (mm) | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-50DE                | 250                | 135        | (305)      | 238.5               | 125              | 4 x M5    |
| SGDV-170D□□A             | 250                | 135        | (305)      | 238.5               | 125              | 4 x M5    |
| Applicable Adapter Plate | Not Required.      |            |            |                     |                  |           |



| Amplifier                 | Overall Dimensions |            |              | Mounting Dimensions |                  |           |
|---------------------------|--------------------|------------|--------------|---------------------|------------------|-----------|
|                           | Height (mm)        | Width (mm) | Depth (mm)   | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-60DE and -75DE       | 350                | 230        | <b>235</b>   | 335                 | 180              | 4 x M6    |
| SGDV-210D□□A and -260D□□A | 350                | 230        | <b>(285)</b> | 335                 | 180              | 4 x M6    |
| Applicable Adapter Plate  | Not Required.      |            |              |                     |                  |           |

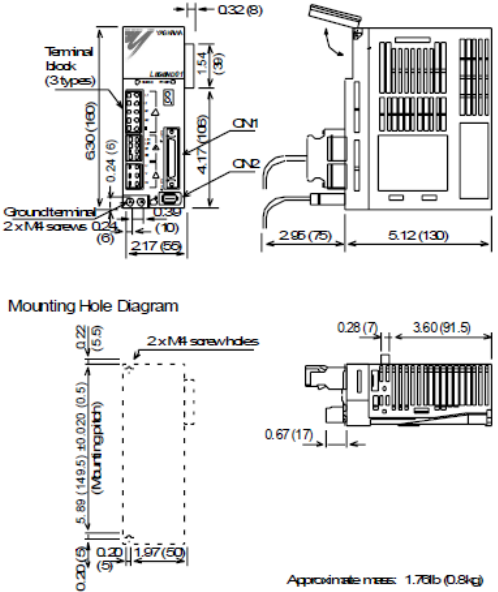
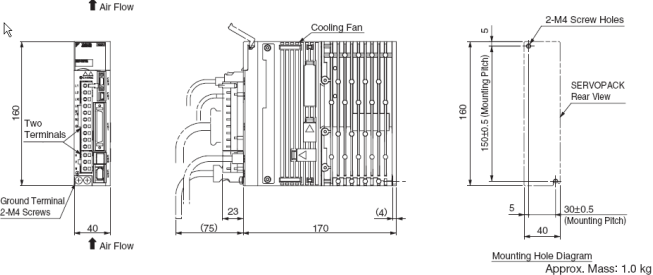
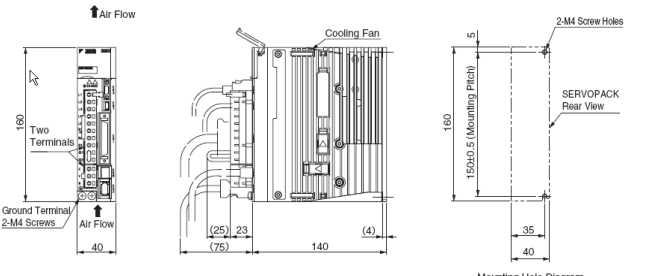




| Three-phase 400 VAC, Model: SGDH-1ADE and -1EDE |                        | Three-phase 400 VAC, Model: SGD V-280D□□A and -370D□□A |            |                     |                  |           |
|---|------------------------|--|------------|---------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 22 kg</p>        |                        | <p>Mounting Hole Diagram<br/>Approx. Mass: 16.2 kg</p> |            |                     |                  |           |
| Amplifier                                       | Overall Dimensions     |  |            | Mounting Dimensions |                  |           |
|   | Height (mm)            | Width (mm)   | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDH-1ADE and -1EDE                             | 450                    | 260  | 285        | 435                 | 200              | 4 x M6    |
| SGDV-280D□□A and -370D□□A                       | 400                    | 230  | (325)      | 385                 | 180              | 4 x M6    |
| Applicable Adapter Plate                        | Part Number: S5-ADP-07 |  |            |                     |                  |           |

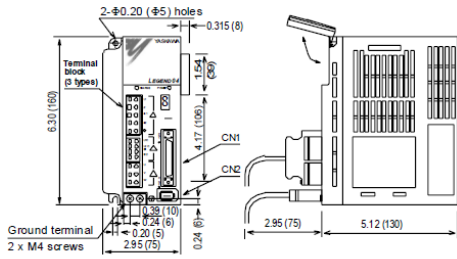
## II. Legend SGD $\Sigma$ to $\Sigma$ -V SGD $\nu$

Note: Multiple  $\Sigma$ -V servo amplifier options are available to replace the Legend SGD $\Sigma$ . Select the  $\Sigma$ -V SGD $\nu$  based on input voltage supply and motor power capacity. Only 200VAC motors are available in the  $\Sigma$ -V series. Select the proper 200VAC motor when using 100VAC servo amplifiers.

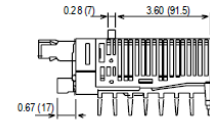
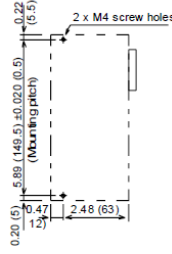
| Single-phase 100 or 200 VAC, Model: SGD $\Sigma$ -01GT                             | Single-phase 100 VAC, Model: SGD $\nu$ -R70F□□A and -R90F□□A   |       |        |                          |                  |           |
|--|--|-------|--------|--------------------------|------------------|-----------|
|  |    |       |        |                          |                  |           |
|  | <p><b>Three-phase 200 VAC, Model: SGD<math>\nu</math>-R70A□□A* and -R90A□□A*</b><br/>           *These amplifiers can be powered with single or three-phase.</p>  |       |        |                          |                  |           |
| Amplifier  | Overall Dimensions (mm)  |       |        | Mounting Dimensions (mm) |                  |           |
|  | Height   | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGD $\Sigma$ -01GT   | 160  | 55    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGD $\nu$ -R70F□□A and -R90F□□A  | 160  | 40    | (245)  | 150                      | 30               | 2 x M4    |
| SGD $\nu$ -R70A□□A and -R90A□□A  | 160  | 40    | (215)  | 150                      | n/a              | 2 x M4    |
| Applicable Adapter Plate   | Part Number: S5-ADP-01   |       |        |                          |                  |           |



### Single-phase 100 or 200 VAC, Model: SGDG-04GT

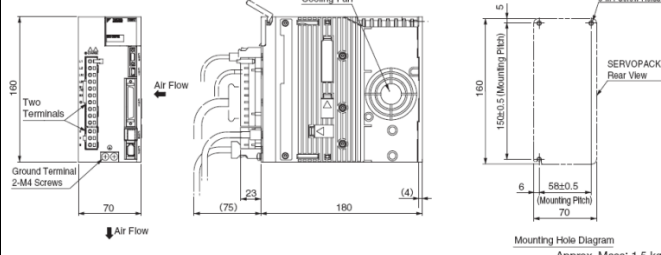


Mounting Hole Diagram



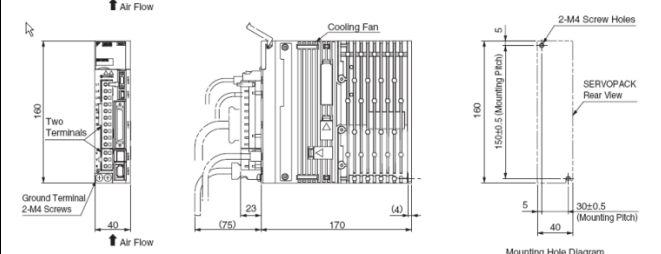
Approximate mass: 2.43lb (1.1kg)

### Single-phase 100 VAC, Model: SGDV-2R8F□□A



Mounting Hole Diagram  
Approx. Mass: 1.5 kg

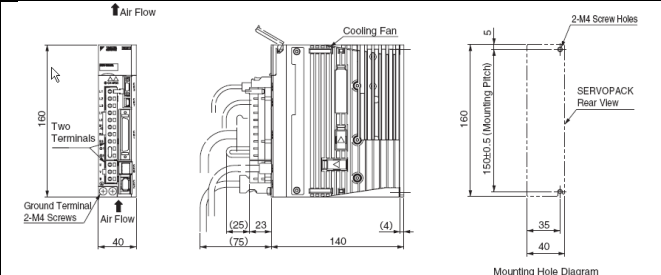
### Single-phase 100 VAC, Model: SGDV-2R1F□□A



Mounting Hole Diagram  
Approx. Mass: 1.0 kg

### Three-phase 200 VAC, Model: SGDV-1R6□□A\*

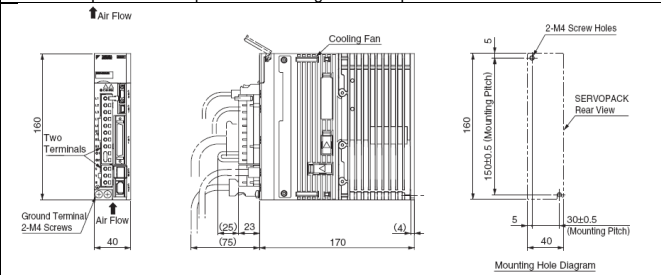
\*These amplifiers can be powered with single or three-phase.



Mounting Hole Diagram  
Approx. Mass: 0.9 kg

### Three-phase 200 VAC, Model: SGDV-2R8A□□A\*

\*These amplifiers can be powered with single or three-phase.



Mounting Hole Diagram  
Approx. Mass: 1.0 kg

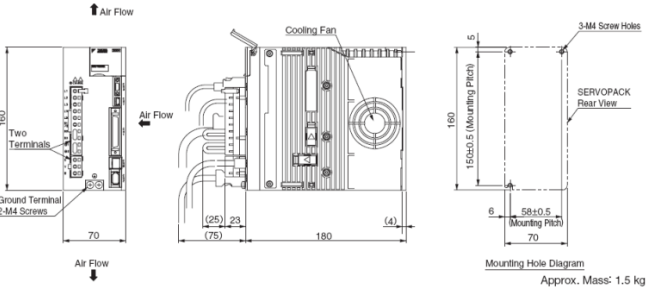
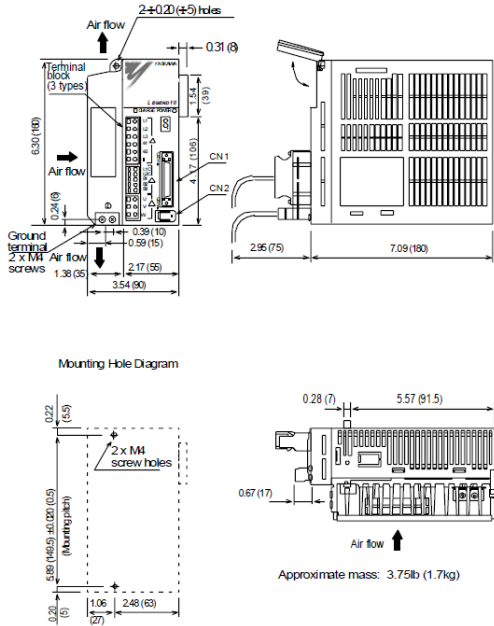
| Amplifier                | Overall Dimensions (mm)  |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|--|-------|--------|--------------------------|------------------|-----------|
|                          | Height   | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-04GT                | 160  | 75    | (205)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-2R8F□□A             | 160  | 70    | (255)  | 150                      | 58               | 3 x M4    |
| SGDV-1R6□□A              | 160  | 40    | (215)  | 150                      | n/a              | 2 x M4    |
| SGDV-2R1F□□A and 2R8A□□A | 160  | 40    | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate | SGDV-2R8F□□A: Not Required. Use 2 x M4 Screw Holes instead of all 3 x M4 screw holes.<br>SGDV-2R1F□□A, -1R6□□A and 2R8A□□A: Part Number: S5-ADP-01 |       |        |                          |                  |           |





**Single or Three-phase 200 VAC, Model: SGD-10GT**

**Three-phase 200 VAC, Model: SGD-3R8A□□A\*, -5R5A□□A\* and -7R6A□□A**  
 \* These amplifiers can be powered with single or three-phase.

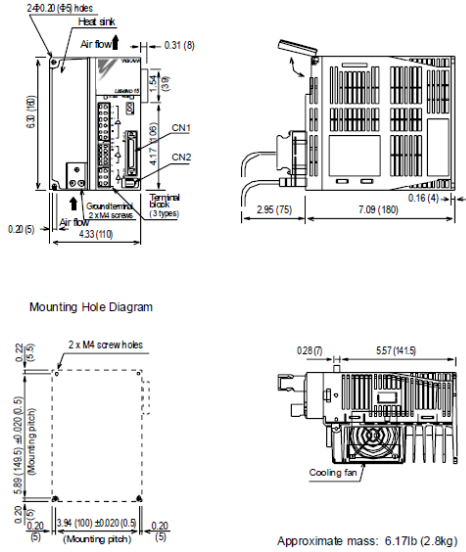


| Amplifier                           | Overall Dimensions (mm)   |       |        | Mounting Dimensions (mm) |                  |           |
|-------------------------------------|---|-------|--------|--------------------------|------------------|-----------|
|                                     | Height  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-05AE, -08AE, -08AE-S and -10AE | 160   | 90    | (255)  | 149.5                    | n/a              | 2 x M4    |
| SGDV-3R8A□□A, -5R5A□□A and -7R6A□□A | 160   | 70    | (255)  | 150                      | 58               | 3 x M4    |
| Applicable Adapter Plate            | Part Number: S5-ADP-02<br>Adapter plate requires two button head screws to mount plate to existing mounting holes in panel. |       |        |                          |                  |           |

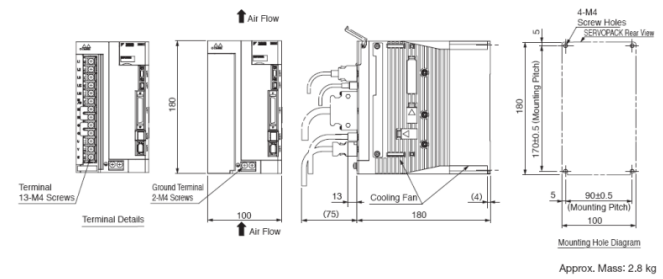




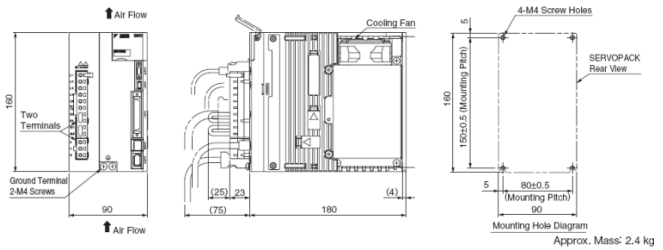
### Single or Three-phase 200 VAC, Model: SGD-15GT



### Single-phase 200 VAC, Model: SGD-120A□1A008000



### Three-phase 200 VAC, Model: SGD-120A□□A



| Amplifier                | Overall Dimensions (mm) |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|-------------------------|-------|--------|--------------------------|------------------|-----------|
|                          | Height                  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDG-15GT                | 160                     | 110   | (255)  | 149.5                    | 100              | 4 x M4    |
| SGDV-120A□1A008000       | 180                     | 100   | (255)  | 170                      | 90               | 4 x M4    |
| SGDV-120A□□A             | 160                     | 90    | (255)  | 150                      | 80               | 4 x M4    |
| Applicable Adapter Plate | Part Number: S5-ADP-03  |       |        |                          |                  |           |



### III. Σ-III SGDS to Σ-V SGD V

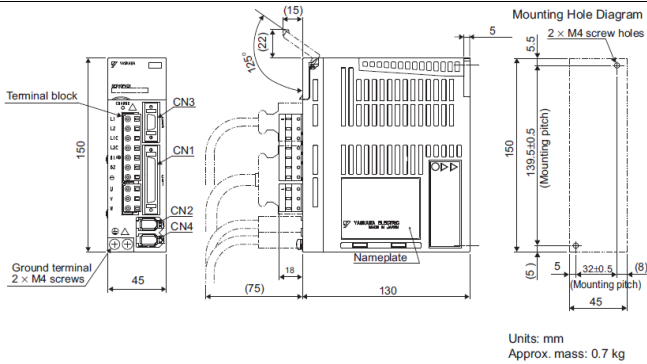
Note: Only 200VAC motors are available in the Σ-V series. Select the proper 200VAC motor when using 100VAC servo amplifiers.

| Single-phase 100 VAC, Model: SGDS-A3B□□A, -A5F□□A, -01F□□A and -02F□□A                            |                         | Single-phase 100 VAC, Model: SGD V-R70F□□A and -R90F□□A |        |                          |                  |           |
|---|-------------------------|---|--------|--------------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 0.7 kg</p>   |                         | <p>Approx. Mass: 1.0 kg</p>                             |        |                          |                  |           |
| Amplifier   | Overall Dimensions (mm) |   |        | Mounting Dimensions (mm) |                  |           |
|   | Height                  | Width   | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-A3B□□A, -A5□□□A, -01□□□A and -02□□□A   | 150                     | 45  | (205)  | 139.5                    | 32               | 2 x M4    |
| SGD V-R70F□□A, -R90F□□A and 2R1F□□A   | 160                     | 40  | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate  | Part Number: S5-ADP-08  |   |        |                          |                  |           |
| Adapter plate requires two button head screws to mount plate to existing mounting holes in panel. |                         |   |        |                          |                  |           |

| Single-phase 100 VAC, Model: SGDS-04F□□A   |                         | Single-phase 100 VAC, Model: SGD V-2R8F□□A |        |                          |                  |           |
|--|-------------------------|--|--------|--------------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 1.4 kg</p>  |                         | <p>Approx. Mass: 1.5 kg</p>                |        |                          |                  |           |
| Amplifier  | Overall Dimensions (mm) |  |        | Mounting Dimensions (mm) |                  |           |
|  | Height                  | Width                                      | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDH-04FE  | 150                     | 70   | (255)  | 139.5                    | 58               | 3 x M4    |
| SGD V-2R8F□□A  | 160                     | 70   | (255)  | 150                      | 58               | 3 x M4    |
| Applicable Adapter Plate   | Part Number: S5-ADP-09  |  |        |                          |                  |           |
| Adapter plate requires two button head screws to mount plate to existing upper mounting holes in panel and is designed with a clearance hole to access existing bottom left mounting hole. |                         |  |        |                          |                  |           |

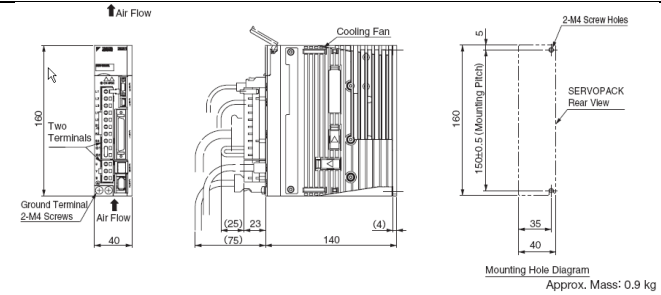


**Single-phase 200 VAC, Model: SGDS-A5□□□A, -01□□□A and -02□□□A**



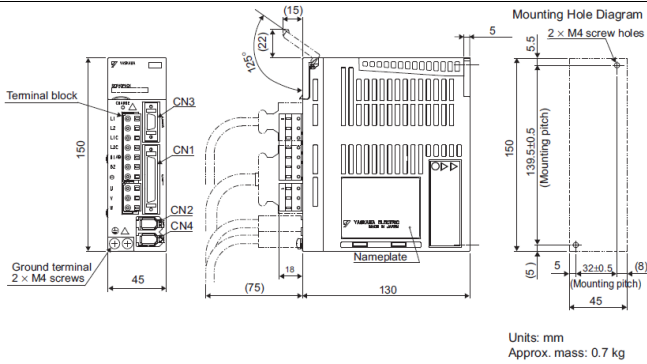
**Three-phase 200 VAC, Model: SGDV-R70A□□□A\*, -R90A□□□A\* and -1R6A□□□A\***

\*These amplifiers can be powered with single or three-phase.



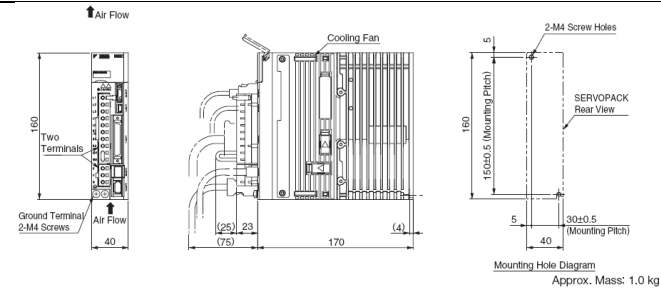
| Amplifier                              | Overall Dimensions (mm)   |       |        | Mounting Dimensions (mm) |                  |           |
|--|---|-------|--------|--------------------------|------------------|-----------|
|  | Height  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-A5□□□A, -01□□□A and -02□□□A       | 150   | 55    | (205)  | 139.5                    | 32               | 2 x M4    |
| SGDV-R70A□□□A, -R90A□□□A and -1R6A□□□A | 160   | 40    | (215)  | 150                      | n/a              | 2 x M4    |
| Applicable Adapter Plate               | Part Number: S5-ADP-08<br>Adapter plate requires two button head screws to mount plate to existing mounting holes in panel. |       |        |                          |                  |           |

**Single-phase 200 VAC, Model: SGDS-02□□□A**



**Three-phase 200 VAC, Model: SGDV-2R8A□□□A\***

\*These amplifiers can be powered with single or three-phase.



| Amplifier                | Overall Dimensions (mm)   |       |        | Mounting Dimensions (mm) |                  |           |
|--------------------------|---|-------|--------|--------------------------|------------------|-----------|
|                          | Height  | Width | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-02□□□A              | 150   | 55    | (205)  | 139.5                    | 32               | 2 x M4    |
| SGDV-2R8A□□□A            | 160   | 40    | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate | Part Number: S5-ADP-08<br>Adapter plate requires two button head screws to mount plate to existing mounting holes in panel. |       |        |                          |                  |           |





| Single-phase 200 VAC, Model: SGDS-04A□□A  |                         | Three-phase 200 VAC, Model: SGDV-2R8A□□A* |        |                          |                  |           |
|---|-------------------------|---|--------|--------------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 0.9 kg</p> |                         | <p>Approx. Mass: 1.0 kg</p>               |        |                          |                  |           |
| Amplifier                                 | Overall Dimensions (mm) |   |        | Mounting Dimensions (mm) |                  |           |
|   | Height                  | Width                                     | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-04A□□A                               | 150                     | 65  | (205)  | 139.5                    | 47               | 2 x M4    |
| SGDV-2R8A□□A                              | 160                     | 40  | (245)  | 150                      | 30               | 2 x M4    |
| Applicable Adapter Plate                  | Part Number: S5-ADP-10  |   |        |                          |                  |           |

| Single-phase 200 VAC, Model: SGDS-08A□□A<br>Three-phase 200 VAC, Model: SGDS-05A□□A and -10A□□A |  | Three-phase 200 VAC, Model: SGDV-3R8A□□A*, -5R5A□□A* and -7R6A□□A |        |                          |                  |           |
|---|--|---|--------|--------------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 1.4 kg</p>   |  | <p>Approx. Mass: 1.5 kg</p>                                       |        |                          |                  |           |
| Amplifier   | Overall Dimensions (mm)  |   |        | Mounting Dimensions (mm) |                  |           |
|   | Height   | Width   | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-05AE□□A, -08AE□□A and -10AE□□A   | 150  | 70  | (255)  | 139.5                    | 58               | 3 x M4    |
| SGDV-3R8A□□A, -5R5A□□A and -7R6A□□A   | 160  | 70  | (255)  | 150                      | 58               | 3 x M4    |
| Applicable Adapter Plate  | Part Number: S5-ADP-11<br>Adapter plate requires two button head screws to mount plate to existing upper mounting holes in panel and is designed with a clearance hole to access existing bottom left mounting hole. |   |        |                          |                  |           |



| Three-phase 200 VAC, Model: SGDS-15A□□A   |  | Three-phase 200 VAC, Model: SGDV-120A□□A |        |                          |                  |           |
|---|--|--|--------|--------------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 2.1 kg</p> |  | <p>Approx. Mass: 2.4 kg</p>              |        |                          |                  |           |
| Amplifier                                 | Overall Dimensions (mm)  |  |        | Mounting Dimensions (mm) |                  |           |
|   | Height   | Width                                    | Height | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-15A□□A                               | 150  | 90                                       | (255)  | 139.5                    | 80               | 3 x M4    |
| SGDV-120A□□A                              | 160  | 90                                       | (255)  | 150                      | 80               | 4 x M4    |
| Applicable Adapter Plate                  | <p>Part Number: S5-ADP-12</p> <p>Adapter plate requires two button head screws to mount plate to existing upper mounting holes in panel and is designed with a clearance holes to access existing bottom left mounting hole.</p> |  |        |                          |                  |           |

| Three-phase 200 VAC, Model: SGDS-20□□A and -30A□□A |                         | Three-phase 200 VAC, Model: SGDV-180A□□A and -200A□□A |       |                          |                  |           |
|--|-------------------------|---|-------|--------------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 2.8 kg</p>          |                         | <p>Approx. Mass: 2.8 kg</p>                           |       |                          |                  |           |
| Amplifier  | Overall Dimensions (mm) |   |       | Mounting Dimensions (mm) |                  |           |
|  | Height                  | Width   | Depth | Vertical Pitch           | Horizontal Pitch | Hole Type |
| SGDS-20A□□A and -30A□□A                            | 180                     | 100   | (255) | 170                      | 90               | 4 x M4    |
| SGDV-180A□□A and -200A□□A                          | 180                     | 100   | (255) | 170                      | 90               | 4 x M4    |
| Applicable Adapter Plate                           | Not Required.           |   |       |                          |                  |           |



| Three-phase 200 VAC, Model: SGDS-50A□□A   |                    | Three-phase 200 VAC, Model: SGDV-330A□□A |            |                     |                  |           |
|---|--------------------|--|------------|---------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 5.0 kg</p> |                    | <p>Approx. Mass: 4.6 kg</p>              |            |                     |                  |           |
| Amplifier                                 | Overall Dimensions |  |            | Mounting Dimensions |                  |           |
|   | Height (mm)        | Width (mm)                               | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDS-50A□□A                               | 250                | 110                                      | (285)      | 238.5               | 100              | 4 x M5    |
| SGDV-330A□□A                              | 250                | 110                                      | (285)      | 238.5               | 100              | 4 x M5    |
| Applicable Adapter Plate                  | Not Required.      |  |            |                     |                  |           |

| Three-phase 200 VAC, Model: SGDS-60A□□A and -75A□□A |                    | Three-phase 200 VAC, Model: SGDV-470A□□A and -550A□□A |            |                     |                  |           |
|---|--------------------|---|------------|---------------------|------------------|-----------|
| <p>Units: mm<br/>Approx. mass: 10.5 kg</p>          |                    | <p>Approx. Mass: 10.2 kg</p>                          |            |                     |                  |           |
| Amplifier   | Overall Dimensions |   |            | Mounting Dimensions |                  |           |
|   | Height (mm)        | Width (mm)  | Depth (mm) | Vertical Pitch      | Horizontal Pitch | Hole Type |
| SGDS-60A□□A and -75A□□A                             | 350                | 170   | (285)      | 335                 | 120              | 4 x M6    |
| SGDV-470A□□A and -550A□□A                           | 350                | 170   | (285)      | 335                 | 120              | 4 x M6    |
| Applicable Adapter Plate                            | Not Required.      |   |            |                     |                  |           |