

# Designation

## Hollow Shaft Type 50W~2.2kW

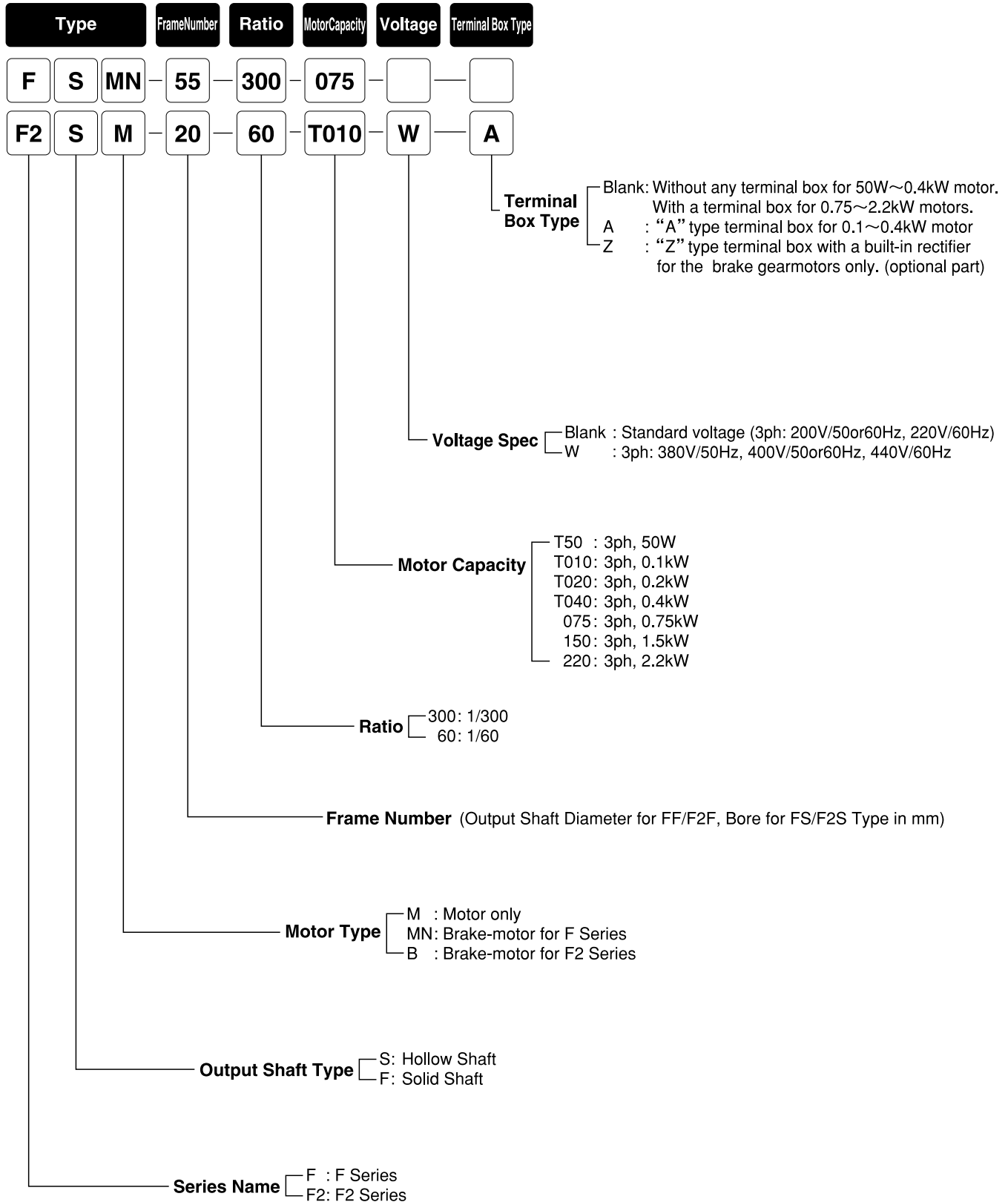


F Series FS Type

### F/F2 Series (FS, F2S Type)

#### Model and Type Designation

FS/F2S type hollow shaft gearmotors and brake gearmotors are classified by codes as shown below. These codes are required for your inquiry and/or order.



# Selection Chart

## Hollow Shaft Type 50W~2.2kW

F/F2 Series (FS, F2S Type)



F2 Series F2S Type

| Type                         | 4P Motor Capacity | Frame Number | Reduction Ratio |               |               |               |              |              |      |      |      |  |
|------------------------------|-------------------|--------------|-----------------|---------------|---------------|---------------|--------------|--------------|------|------|------|--|
| <b>GEARMOTOR</b><br>FSM/F2SM | 3ph/50W           | 20           | 1/10            | 1/12.5        | 1/15          | 1/20          | 1/25         | 1/30         | 1/40 | 1/50 | 1/60 |  |
|                              |                   |              | 1/80            | 1/100         | 1/120         | 1/160         | 1/200        | <b>1/240</b> |      |      |      |  |
|                              |                   | 25           | 1/300           | 1/375         | 1/450         |               |              |              |      |      |      |  |
|                              |                   | 30           | 1/600           | 1/750         | 1/900         |               |              |              |      |      |      |  |
|                              | 35                | 1/1200       | 1/1500          | 1/1800        |               |               |              |              |      |      |      |  |
|                              | * 20              | 1/5          | 1/7.5           | 1/10          | 1/12.5        | 1/15          | 1/20         | 1/25         | 1/30 | 1/40 |      |  |
|                              |                   | 1/50         | 1/60            |               |               |               |              |              |      |      |      |  |
|                              |                   | 25           | 1/10            | 1/12.5        | 1/15          | 1/20          | 1/25         | 1/30         | 1/40 | 1/50 | 1/60 |  |
|                              |                   | 1/80         | 1/100           | 1/120         | 1/160         | 1/200         | <b>1/240</b> |              |      |      |      |  |
|                              | 30                | 1/300        | 1/375           | 1/450         |               |               |              |              |      |      |      |  |
|                              | 35                | 1/600        | 1/750           | 1/900         | <b>1/1200</b> | <b>1/1500</b> |              |              |      |      |      |  |
|                              | * 25              | 1/5          | 1/7.5           | 1/10          | 1/12.5        | 1/15          | 1/20         | 1/25         | 1/30 | 1/40 |      |  |
| 1/50                         |                   | 1/60         |                 |               |               |               |              |              |      |      |      |  |
| 30                           |                   | 1/5          | 1/7.5           | 1/10          | 1/12.5        | 1/15          | 1/20         | 1/25         | 1/30 | 1/40 |      |  |
| 1/50                         |                   | 1/60         | 1/80            | 1/100         | 1/120         | 1/160         | <b>1/200</b> | <b>1/240</b> |      |      |      |  |
| 35                           | 1/300             | 1/375        | <b>1/450</b>    |               |               |               |              |              |      |      |      |  |
| 45                           | 1/600             | 1/750        | <b>1/900</b>    | <b>1/1200</b> | <b>1/1500</b> |               |              |              |      |      |      |  |
| * 30                         | 1/5               | 1/7.5        | 1/10            | 1/12.5        | 1/15          | 1/20          | 1/25         | 1/30         |      |      |      |  |
|                              | 1/40              | 1/50         | 1/60            |               |               |               |              |              |      |      |      |  |
|                              | 35                | 1/5          | 1/7.5           | 1/10          | 1/12.5        | 1/15          | 1/20         | 1/25         | 1/30 | 1/40 |      |  |
|                              | 1/50              | 1/60         | 1/80            | 1/100         | 1/120         | <b>1/160</b>  | <b>1/200</b> | <b>1/240</b> |      |      |      |  |
| 45                           | 1/300             | 1/375        | <b>1/450</b>    |               |               |               |              |              |      |      |      |  |
| 55                           | 1/600             | 1/750        | <b>1/900</b>    | <b>1/1200</b> | <b>1/1500</b> |               |              |              |      |      |      |  |
| * 35                         | 1/5               | 1/7.5        | 1/10            | 1/12.5        | 1/15          | 1/20          | 1/25         | 1/30         |      |      |      |  |
|                              | 1/40              | 1/50         | 1/60            |               |               |               |              |              |      |      |      |  |
|                              | 45                | 1/5          | 1/7.5           | 1/10          | 1/12.5        | 1/15          | 1/20         | 1/25         | 1/30 | 1/40 |      |  |
|                              | 1/50              | 1/60         | 1/80            | 1/100         | 1/120         | <b>1/160</b>  | <b>1/200</b> | <b>1/240</b> |      |      |      |  |
| 55                           | 1/300             | 1/375        | <b>1/450</b>    |               |               |               |              |              |      |      |      |  |
| * 45                         | 1/5               | 1/7.5        | 1/10            | 1/12.5        | 1/15          | 1/20          | 1/25         | 1/30         |      |      |      |  |
|                              | 1/40              | 1/50         | 1/60            |               |               |               |              |              |      |      |      |  |
|                              | 55                | 1/5          | 1/7.5           | 1/10          | 1/12.5        | 1/15          | 1/20         | 1/25         | 1/30 | 1/40 |      |  |
|                              | 1/50              | 1/60         | 1/80            | 1/100         | 1/120         | <b>1/160</b>  | <b>1/200</b> | <b>1/240</b> |      |      |      |  |
| 55                           | 1/5               | 1/7.5        | 1/10            | 1/12.5        | 1/15          | 1/20          | 1/25         | 1/30         | 1/40 |      |      |  |
|                              | 1/50              | 1/60         | 1/80            | <b>1/100</b>  | <b>1/120</b>  |               |              |              |      |      |      |  |

Note:

- The models enclosed in bold line **□** are low torque type. Be sure to check the allowable torque rating in the performance table.
- The models marked with "\*" are "F2S" type.

# Designation

## Solid Shaft Type 50W~1.5kW

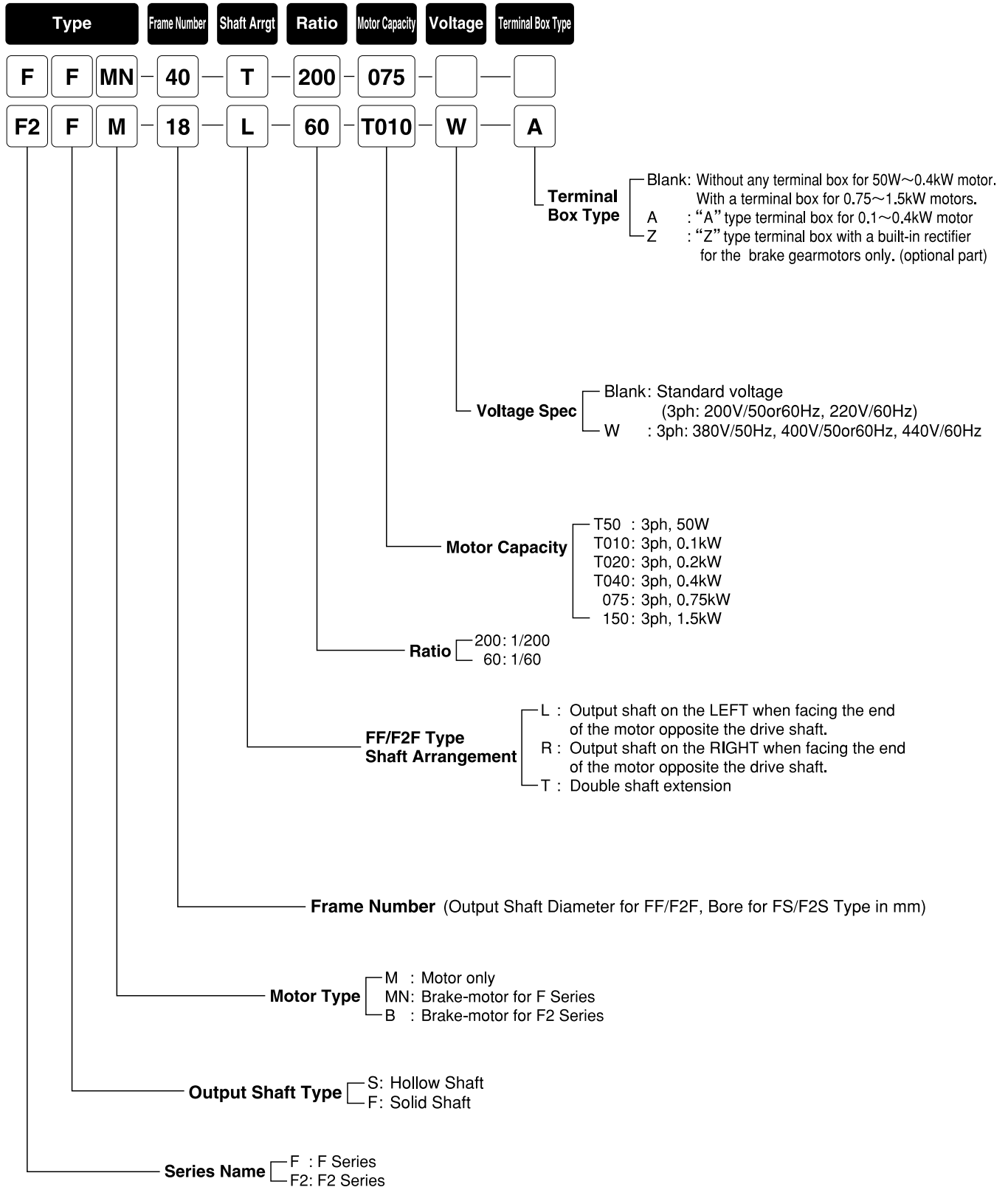
### F/F2 Series (FF, F2F Type)

#### Model and Type Designation

FF/F2F type solid shaft gearmotors and brake gearmotors are classified by codes as shown below. These codes are required for your inquiry and/or order.



F Series FF Type





# Designation

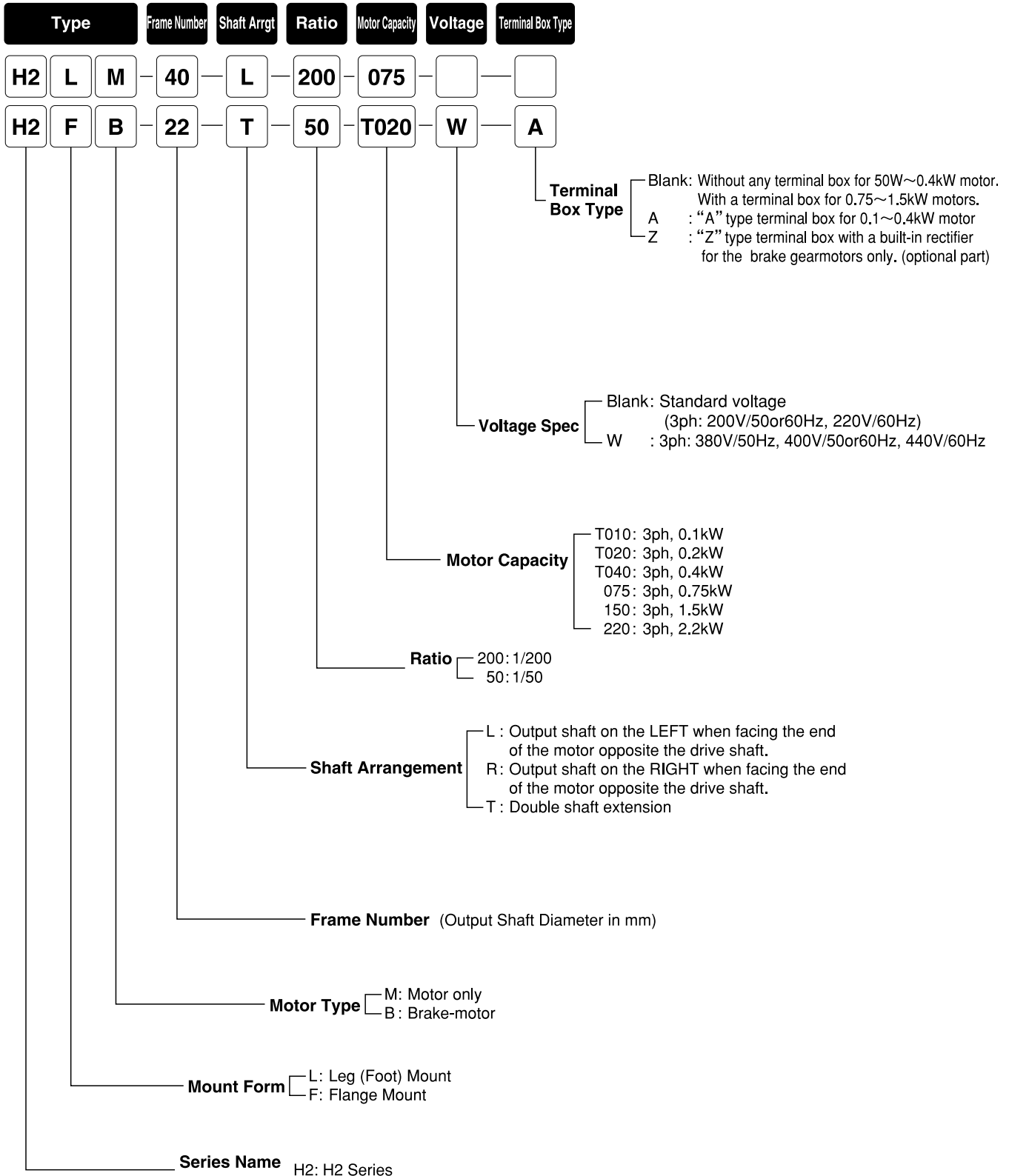
## Right Angle Shaft Type 0.1kW~2.2kW



H2 Series (Foot Mount)

### Model and Type Designation

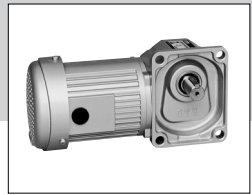
H2 Series right Angle shaft gearmotors and brake gearmotors are classified by codes as shown below. These codes are required for your inquiry and/or order.



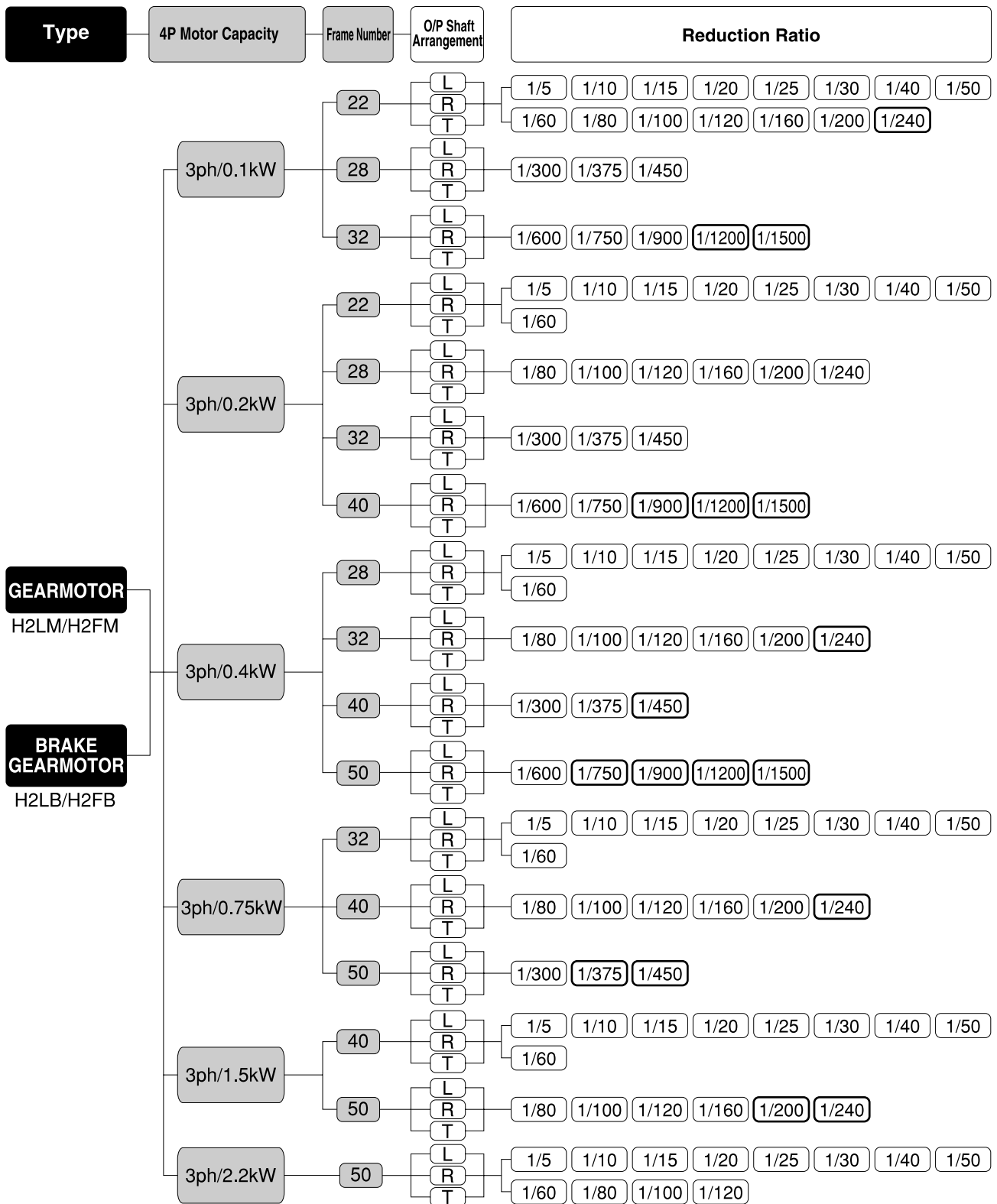
# Selection Chart

## Right Angle Shaft Type 0.1kW~2.2kW

### H2 Series



H2 Series (Flange Mount)



**Note:**

- The models enclosed in bold line **□** are low torque type. Be sure to check the allowable torque rating in the performance table.
- As for the reducers, two types for 0.2~2.2kW (equiv.) application are available.  
One is "Shaft-in" reducer with an input shaft and the other "S Type" reducer with a hollow input shaft for the specific motors.

# Designation



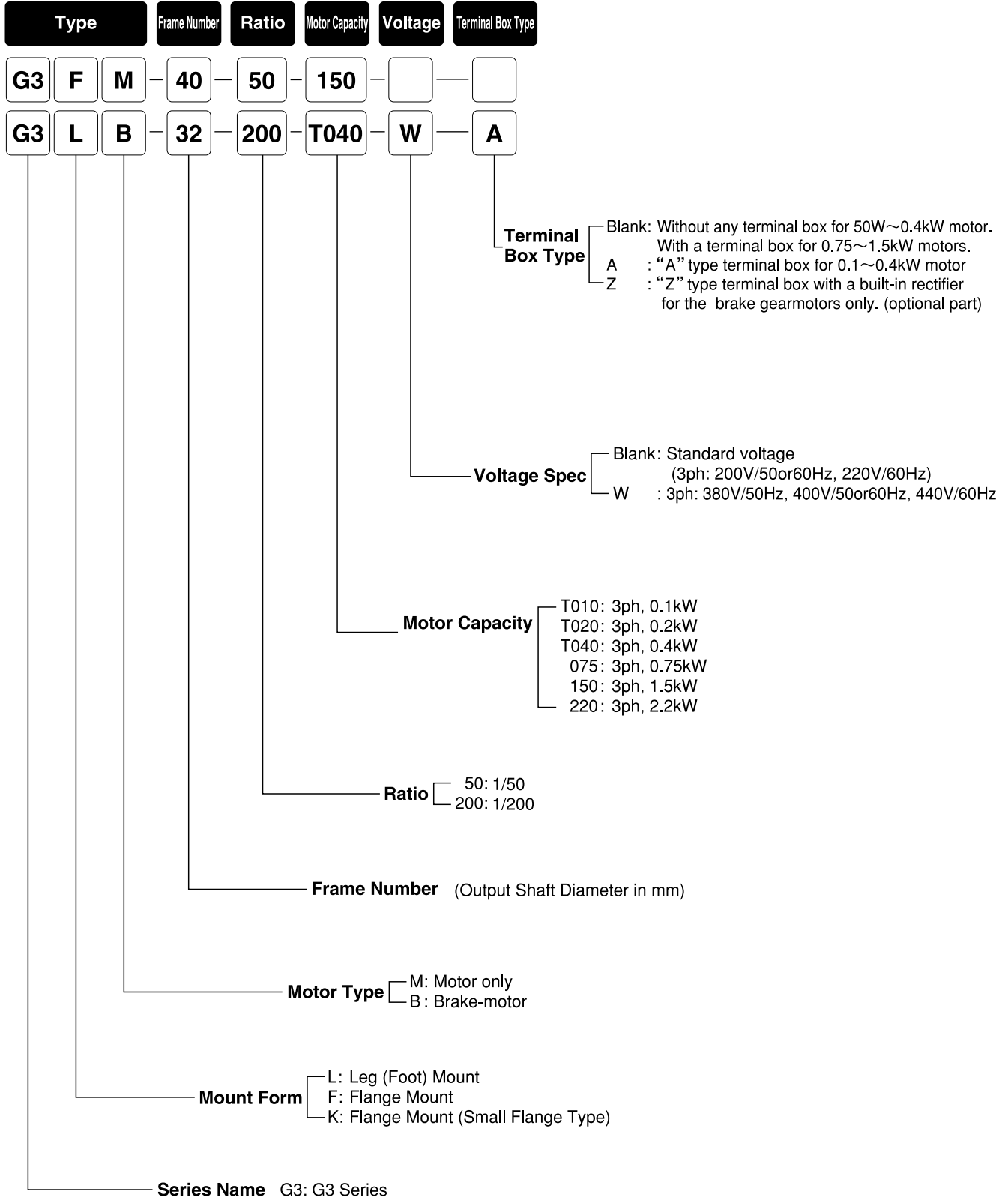
G3 Series (Foot Mount)

## Parallel Shaft Type 0.1kW~2.2kW

### G3 Series

#### Model and Type Designation

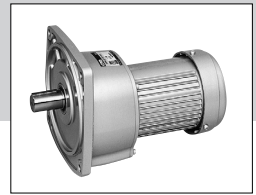
G3 Series parallel shaft gearmotors and brake gearmotors are classified by codes as shown below. These codes are required for your inquiry and/or order.



# Selection Chart

## Parallel Shaft Type 0.1kW~2.2kW

### G3 Series



G3 Series (Flange Mount)

| Type                                     | 4P Motor Capacity | Frame Number | Reduction Ratio |       |        |        |       |       |      |      |
|--|-------------------|--------------|-----------------|-------|--------|--------|-------|-------|------|------|
| <b>GEARMOTOR</b><br>G3LM/G3FM/G3KM       | 3ph/0.1kW         | 18           | 1/5             | 1/10  | 1/15   | 1/20   | 1/25  | 1/30  | 1/40 | 1/50 |
|  |                   | 22           | 1/60            | 1/80  | 1/100  | 1/120  | 1/160 | 1/200 |      |      |
|  |                   | 28           | 1/300           | 1/375 | 1/450  |        |       |       |      |      |
|  |                   | 32           | 1/600           | 1/750 | 1/900  | 1/1200 |       |       |      |      |
|  | 3ph/0.2kW         | 18           | 1/5             | 1/10  | 1/15   | 1/20   | 1/25  |       |      |      |
|  |                   | 22           | 1/30            | 1/40  | 1/50   | 1/60   | 1/80  | 1/100 |      |      |
|  |                   | 28           | 1/100           | 1/120 | 1/160  | 1/200  |       |       |      |      |
|  |                   | 32           | 1/300           | 1/375 | 1/450  |        |       |       |      |      |
|  |                   | 40           | 1/600           | 1/750 | 1/900  | 1/1200 |       |       |      |      |
|  | 3ph/0.4kW         | 22           | 1/5             | 1/10  | 1/15   | 1/20   | 1/25  |       |      |      |
|  |                   | 28           | 1/30            | 1/40  | 1/50   | 1/60   | 1/80  | 1/100 |      |      |
|  |                   | 32           | 1/100           | 1/120 | 1/160  | 1/200  |       |       |      |      |
| 40                                       |                   | 1/300        | 1/375           | 1/450 |        |        |       |       |      |      |
| 50                                       |                   | 1/600        | 1/750           | 1/900 | 1/1200 |        |       |       |      |      |
| <b>BRAKE GEARMOTOR</b><br>G3LB/G3FB/G3KB | 3ph/0.75kW        | 28           | 1/5             | 1/10  | 1/15   | 1/20   | 1/25  |       |      |      |
|  |                   | 32           | 1/30            | 1/40  | 1/50   | 1/60   | 1/80  | 1/100 |      |      |
|  |                   | 40           | 1/100           | 1/120 | 1/160  | 1/200  |       |       |      |      |
|  |                   | 50           | 1/300           | 1/375 | 1/450  |        |       |       |      |      |
|  |                   |              |                 |       |        |        |       |       |      |      |
| 3ph/1.5kW                                | 32                | 1/5          | 1/10            | 1/15  | 1/20   | 1/25   |       |       |      |      |
|  | 40                | 1/30         | 1/40            | 1/50  | 1/60   | 1/80   | 1/100 |       |      |      |
|  | 50                | 1/100        | 1/120           | 1/160 | 1/200  |        |       |       |      |      |
| 3ph/2.2kW                                | 40                | 1/5          | 1/10            | 1/15  | 1/20   | 1/25   |       |       |      |      |
|  | 50                | 1/30         | 1/40            | 1/50  | 1/60   | 1/80   | 1/100 |       |      |      |

Note:

- The models enclosed in bold line **□** are low torque type.  
Be sure to check the allowable torque rating in the performance table.
- Three types are available for G3 series: Foot Mounted; Flange Mounted; and Small Flange Mounted with frame number of 18 to 32.
- As for the reducers, two types for 0.1~2.2kW (equiv.) applications are available.  
One is "Shaft-in" reducer with an input shaft and the other "S Type" reducer with a hollow input shaft for the specific motors.

