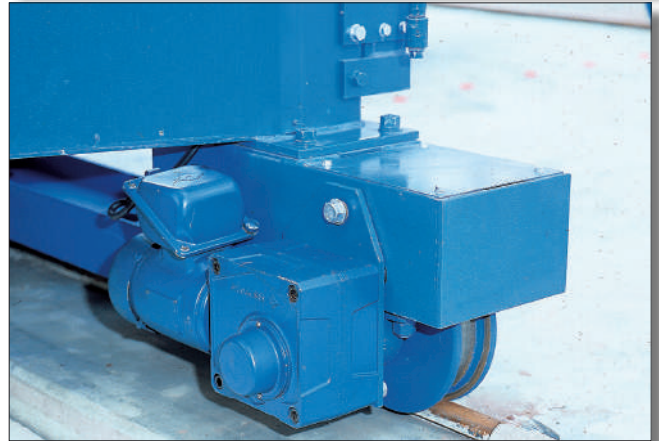


## Right angle HYPONIC Drive® allows compact designs

Conveyor lines in breweries



Driving trucks

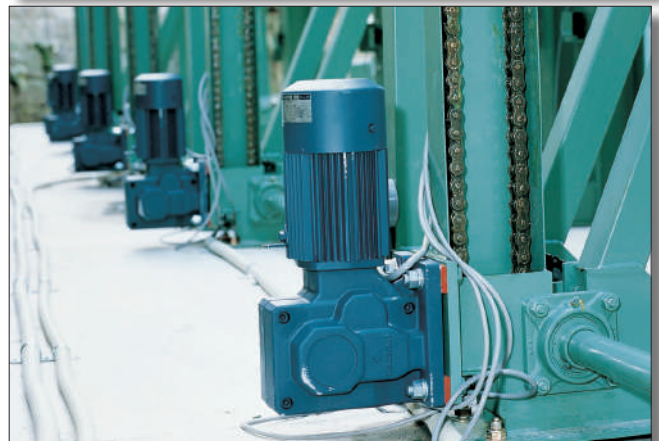


**Direct installation using hollow shaft type (with torque arm).  
No requirement for sprockets, chains and other coupling equipment.**

Crushers

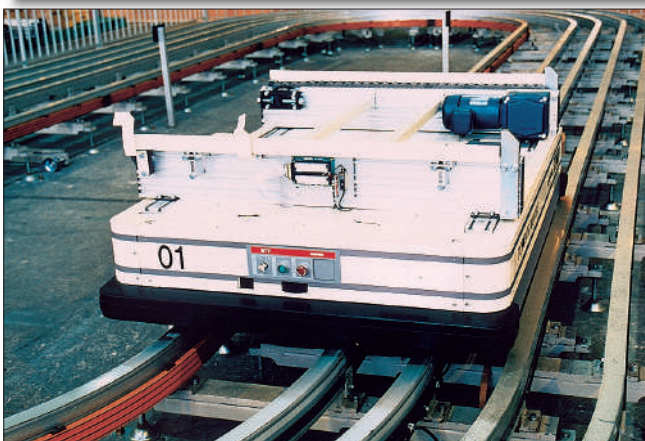


Dehydrator

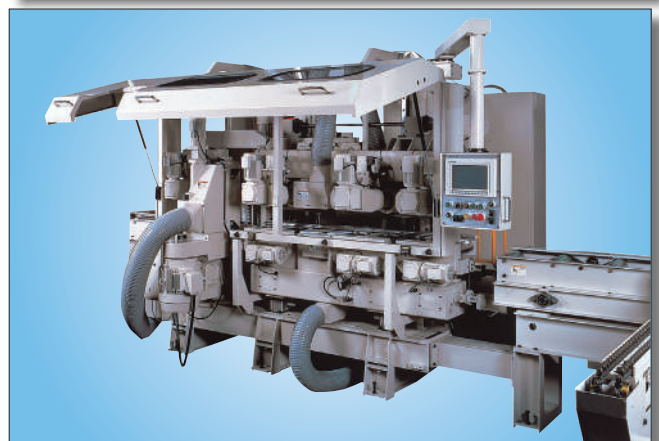


**Easy installation by using through bolts directly into the casing.**

Auto-guided vehicle



Wood shaving machine



**Direct installation with solid shaft flanges.**

Sumitomo Drive Technologies  
» Building Tomorrow Together

**HYPONIC DRIVE** GEAR MOTOR  
**RNYM** Hollow Shaft type

Sumitomo Drive Technologies  
**HYPONIC DRIVE**

Sumitomo Drive Technologies  
100 years of the Cyclo® gear  
CYCLO 1921 - 2021

victorysystem@gmail.com  
LINE OA : @hipower89

www.victorysystem.co.th  
LET'S SUMITOMO GEAR MOTOR

Hollow Shaft

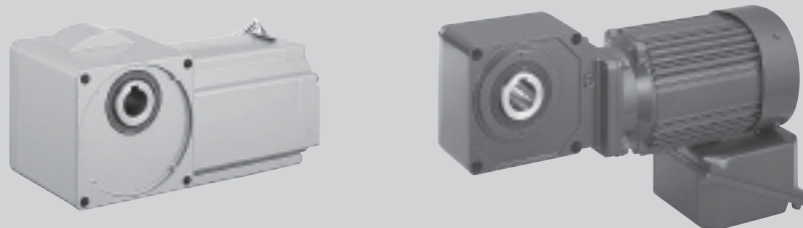
3-phase

Single-phase

Motors for Inverters

# HYPONIC Drive®

## Hollow Shaft



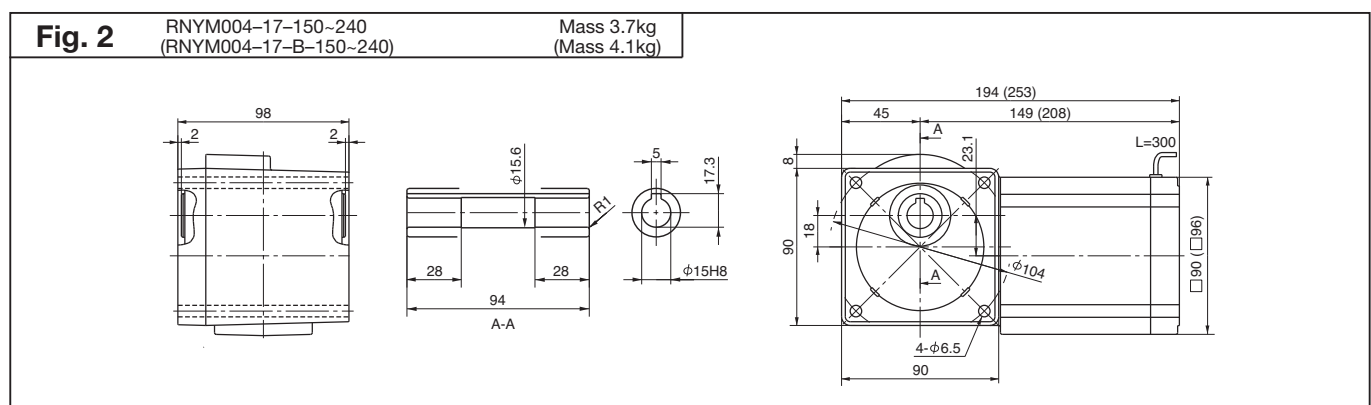
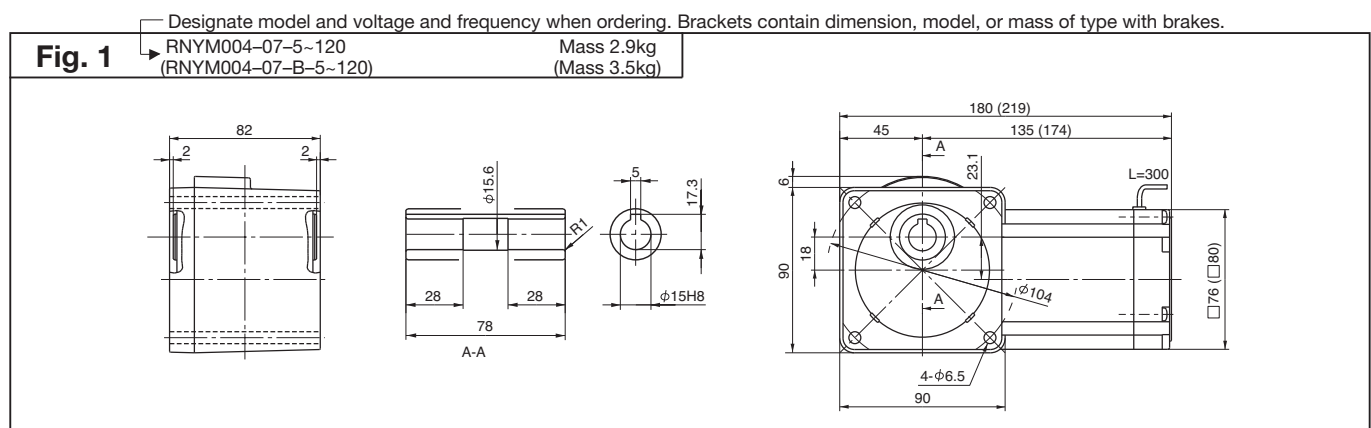
## RNYM Series Hollow Shaft Type

|                   |      |           |
|-------------------|------|-----------|
| Motor Speed $n_1$ | 50Hz | 1450r/min |
|                   | 60Hz | 1750r/min |

| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |       |       |       | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |     |
|--------------------------------------|------|--------------------|-------|-------|-------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|-----|
|                                      |      | Nm                 |       | kgf m |       |      | N             |      | kgf  |      |                    |               |                    |                            |     |
|                                      |      |                    |       |       |       |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |     |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz  | 50Hz  | 60Hz  |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |     |
| 290                                  | 350  | 1.12               | 0.929 | 0.114 | 0.095 | 1.50 | 539           | 490  | 55   | 50   | 004                | —             | 07                 | —                          | 5   |
| 193                                  | 233  | 1.68               | 1.39  | 0.171 | 0.142 | 1.50 | 588           | 539  | 60   | 55   | 004                | —             | 07                 | —                          | 7.5 |
| 145                                  | 175  | 2.24               | 1.86  | 0.229 | 0.189 | 1.50 | 637           | 588  | 65   | 60   | 004                | —             | 07                 | —                          | 10  |
| 121                                  | 146  | 2.69               | 2.23  | 0.274 | 0.227 | 1.50 | 686           | 637  | 70   | 65   | 004                | —             | 07                 | —                          | 12  |
| 96.7                                 | 117  | 3.36               | 2.79  | 0.343 | 0.284 | 1.50 | 735           | 686  | 75   | 70   | 004                | —             | 07                 | —                          | 15  |
| 72.5                                 | 87.5 | 4.48               | 3.72  | 0.457 | 0.379 | 1.50 | 785           | 735  | 80   | 75   | 004                | —             | 07                 | —                          | 20  |
| 58.0                                 | 70.0 | 5.61               | 4.64  | 0.572 | 0.474 | 1.50 | 834           | 785  | 85   | 80   | 004                | —             | 07                 | —                          | 25  |
| 48.3                                 | 58.3 | 6.73               | 5.57  | 0.686 | 0.568 | 1.50 | 883           | 834  | 90   | 85   | 004                | —             | 07                 | —                          | 30  |
| 36.3                                 | 43.8 | 8.97               | 7.43  | 0.914 | 0.758 | 1.50 | 981           | 932  | 100  | 95   | 004                | —             | 07                 | —                          | 40  |
| 29.0                                 | 35.0 | 11.2               | 9.29  | 1.14  | 0.947 | 1.50 | 1080          | 1030 | 110  | 105  | 004                | —             | 07                 | —                          | 50  |
| 24.2                                 | 29.2 | 13.5               | 11.1  | 1.37  | 1.14  | 1.50 | 1080          | 1080 | 110  | 110  | 004                | —             | 07                 | —                          | 60  |
| 18.1                                 | 21.9 | 17.9               | 14.9  | 1.83  | 1.52  | 1.50 | 1080          | 1080 | 110  | 110  | 004                | —             | 07                 | —                          | 80  |
| 14.5                                 | 17.5 | 22.4               | 18.6  | 2.29  | 1.89  | 1.20 | 1080          | 1080 | 110  | 110  | 004                | —             | 07                 | —                          | 100 |
| 12.1                                 | 14.6 | 26.9               | 22.3  | 2.74  | 2.27  | 1.00 | 1080          | 1080 | 110  | 110  | 004                | —             | 07                 | —                          | 120 |
| 9.67                                 | 11.7 | 33.6               | 27.9  | 3.43  | 2.84  | 1.60 | 1420          | 1420 | 145  | 145  | 004                | —             | 17                 | —                          | 150 |
| 7.25                                 | 8.75 | 44.8               | 37.2  | 4.57  | 3.79  | 1.20 | 1420          | 1420 | 145  | 145  | 004                | —             | 17                 | —                          | 200 |
| 6.04                                 | 7.29 | 53.8               | 44.6  | 5.49  | 4.55  | 1.00 | 1420          | 1420 | 145  | 145  | 004                | —             | 17                 | —                          | 240 |

Notes : 1. Motor slippage may affect  $n_1$  and  $n_2$ .

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".  
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



## RNYM Series Hollow Shaft Type

|                            |                |                |
|----------------------------|----------------|----------------|
| Motor Speed n <sub>1</sub> | 50Hz 1450r/min | 60Hz 1750r/min |
|----------------------------|----------------|----------------|

| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |      | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |
|--------------------------------------|------|--------------------|------|-------|------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|
|                                      |      | Nm                 |      | kgf m |      |      | N             |      | kgf  |      |                    |               |                    |                            |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |
| 4.83                                 | 5.83 | 63.3               | 52.5 | 6.46  | 5.35 | 1.55 | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 300              |                            |
| 4.03                                 | 4.86 | 76.0               | 62.9 | 7.75  | 6.42 | 1.29 | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 360              |                            |
| 3.02                                 | 3.65 | 98.1               | 83.9 | 10.0  | 8.56 | *    | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 480              |                            |
| 2.42                                 | 2.92 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 600              |                            |
| 2.01                                 | 2.43 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 720              |                            |
| 1.61                                 | 1.94 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 900              |                            |
| 1.21                                 | 1.46 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 1200             |                            |
| 1.01                                 | 1.22 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 004                | —1240         | — 1440             |                            |

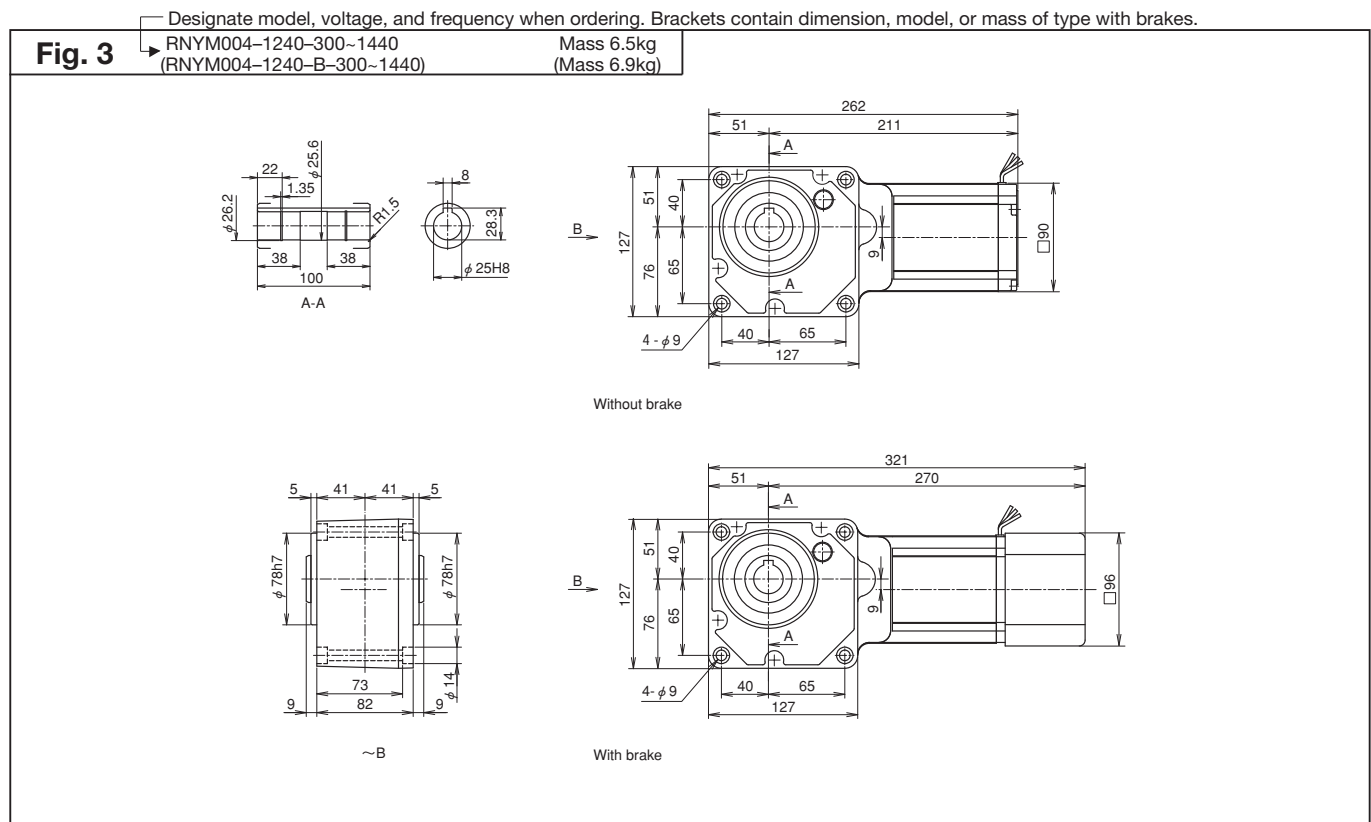
Notes : 1. Motor slippage may affect n<sub>1</sub> and n<sub>2</sub>.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Hollow Shaft

3-phase



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and masses in the drawings are subject to change without notice.



**RNYM Series Hollow Shaft Type**

|                            |      |           |
|----------------------------|------|-----------|
| Motor Speed n <sub>1</sub> | 50Hz | 1450r/min |
|                            | 60Hz | 1750r/min |

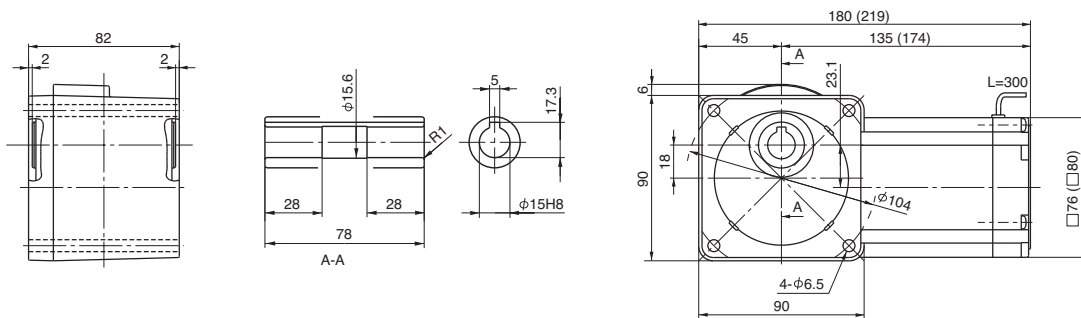
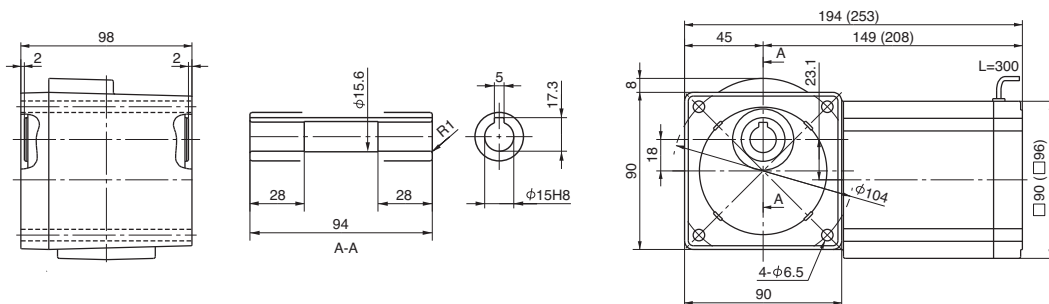
| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |       | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |     |
|--------------------------------------|------|--------------------|------|-------|-------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|-----|
|                                      |      | kgf m              |      | kgf m |       |      | N             |      | kgf  |      |                    |               |                    |                            |     |
|                                      |      |                    |      |       |       |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |     |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz  |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |     |
| 290                                  | 350  | 1.68               | 1.39 | 0.171 | 0.142 | 1.00 | 539           | 490  | 55   | 50   | 006                | —             | 07                 | —                          | 5   |
| 193                                  | 233  | 2.52               | 2.09 | 0.257 | 0.213 | 1.00 | 588           | 539  | 60   | 55   | 006                | —             | 07                 | —                          | 7.5 |
| 145                                  | 175  | 3.36               | 2.79 | 0.343 | 0.284 | 1.00 | 637           | 588  | 65   | 60   | 006                | —             | 07                 | —                          | 10  |
| 121                                  | 146  | 4.04               | 3.34 | 0.412 | 0.341 | 1.00 | 686           | 637  | 70   | 65   | 006                | —             | 07                 | —                          | 12  |
| 96.7                                 | 117  | 5.04               | 4.18 | 0.514 | 0.426 | 1.00 | 735           | 686  | 75   | 70   | 006                | —             | 07                 | —                          | 15  |
| 72.5                                 | 87.5 | 6.73               | 5.57 | 0.686 | 0.568 | 1.00 | 785           | 735  | 80   | 75   | 006                | —             | 07                 | —                          | 20  |
| 58.0                                 | 70.0 | 8.41               | 6.97 | 0.857 | 0.710 | 1.00 | 834           | 785  | 85   | 80   | 006                | —             | 07                 | —                          | 25  |
| 48.3                                 | 58.3 | 10.1               | 8.36 | 1.03  | 0.852 | 1.00 | 883           | 834  | 90   | 85   | 006                | —             | 07                 | —                          | 30  |
| 36.3                                 | 43.8 | 13.5               | 11.1 | 1.37  | 1.14  | 1.00 | 981           | 932  | 100  | 95   | 006                | —             | 07                 | —                          | 40  |
| 29.0                                 | 35.0 | 16.8               | 13.9 | 1.71  | 1.42  | 1.00 | 1080          | 1030 | 110  | 105  | 006                | —             | 07                 | —                          | 50  |
| 24.2                                 | 29.2 | 20.2               | 16.7 | 2.06  | 1.70  | 1.00 | 1080          | 1080 | 110  | 110  | 006                | —             | 07                 | —                          | 60  |
| 18.1                                 | 21.9 | 26.9               | 22.3 | 2.74  | 2.27  | 1.50 | 1420          | 1370 | 145  | 140  | 006                | —             | 17                 | —                          | 80  |
| 14.5                                 | 17.5 | 33.6               | 27.9 | 3.43  | 2.84  | 1.50 | 1420          | 1420 | 145  | 145  | 006                | —             | 17                 | —                          | 100 |
| 12.1                                 | 14.6 | 40.4               | 33.4 | 4.12  | 3.41  | 1.34 | 1420          | 1420 | 145  | 145  | 006                | —             | 17                 | —                          | 120 |
| 9.67                                 | 11.7 | 50.4               | 41.8 | 5.14  | 4.26  | 1.07 | 1420          | 1420 | 145  | 145  | 006                | —             | 17                 | —                          | 150 |
| 7.25                                 | 8.75 | 53.9               | 53.9 | 5.50  | 5.50  | *    | 1420          | 1420 | 145  | 145  | 006                | —             | 17                 | —                          | 200 |
| 6.04                                 | 7.29 | 53.9               | 53.9 | 5.50  | 5.50  | *    | 1420          | 1420 | 145  | 145  | 006                | —             | 17                 | —                          | 240 |

Notes : 1. Motor slippage may affect n<sub>1</sub> and n<sub>2</sub>.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

**Fig. 1**RNYM006-07-5-60  
(RNYM006-07-B-5-60)Mass 2.9kg  
(Mass 3.5kg)**Fig. 2**RNYM006-17-80-240  
(RNYM006-17-B-80-240)Mass 3.9kg  
(Mass 4.3kg)

Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



## RNYM Series Hollow Shaft Type

| Motor Speed n <sub>1</sub> | 50Hz      | 1450r/min |
|----------------------------|-----------|-----------|
| 60Hz                       | 1750r/min |           |

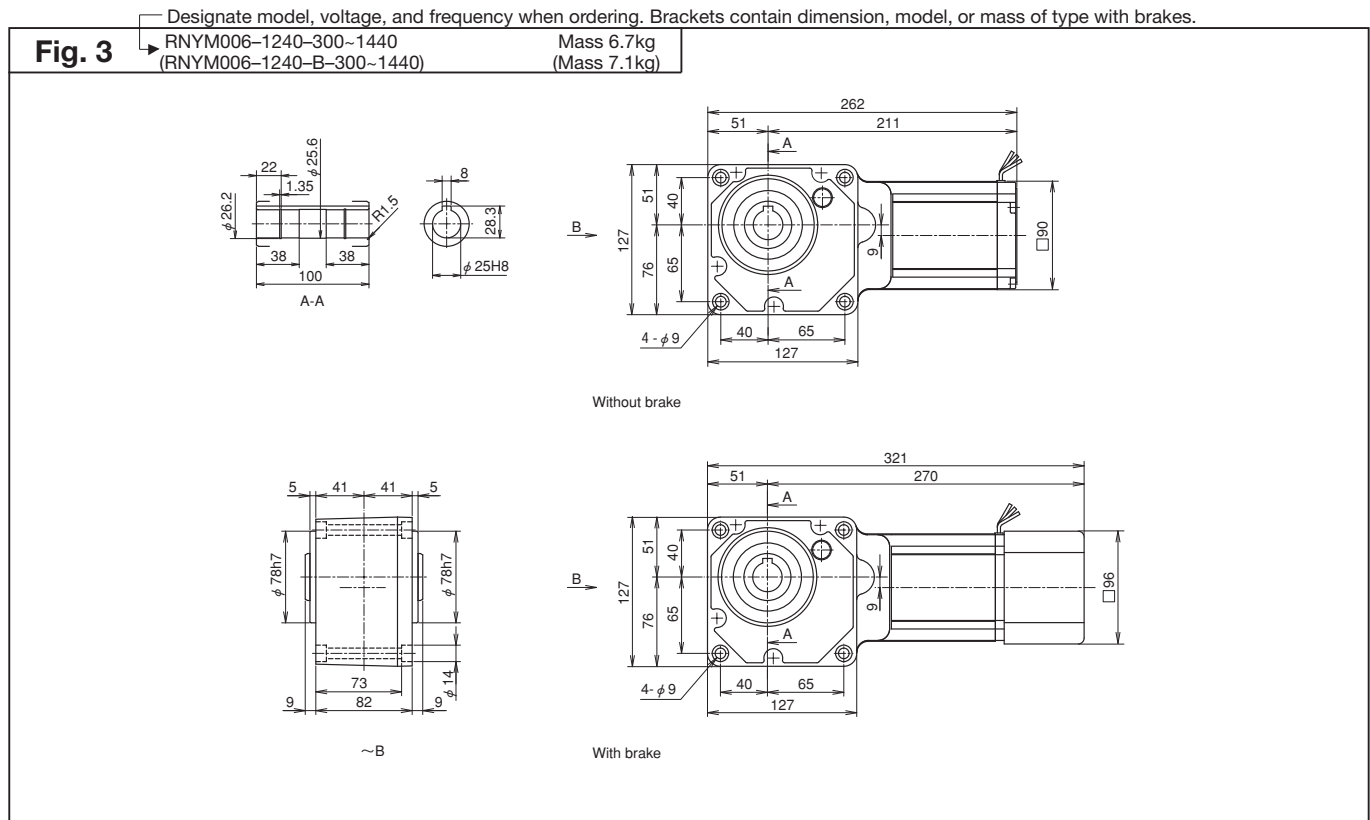
| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |      | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |
|--------------------------------------|------|--------------------|------|-------|------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|
|                                      |      | Nm                 |      | kgf m |      |      | N             |      | kgf  |      |                    |               |                    |                            |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |
| 4.83                                 | 5.83 | 95.0               | 78.7 | 9.68  | 8.02 | 1.03 | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 300                        |
| 4.03                                 | 4.86 | 98.1               | 94.4 | 10.0  | 9.63 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 360                        |
| 3.02                                 | 3.65 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 480                        |
| 2.42                                 | 2.92 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 600                        |
| 2.01                                 | 2.43 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 720                        |
| 1.61                                 | 1.94 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 900                        |
| 1.21                                 | 1.46 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 1200                       |
| 1.01                                 | 1.22 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 006                | —1240         | —                  | 1440                       |

Notes : 1. Motor slippage may affect n<sub>1</sub> and n<sub>2</sub>.  
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Hollow Shaft

3-phase



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".  
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and masses in the drawings are subject to change without notice.



## RNYM Series Hollow Shaft Type

|                   |      |           |
|-------------------|------|-----------|
| Motor Speed $n_1$ | 50Hz | 1450r/min |
|                   | 60Hz | 1750r/min |

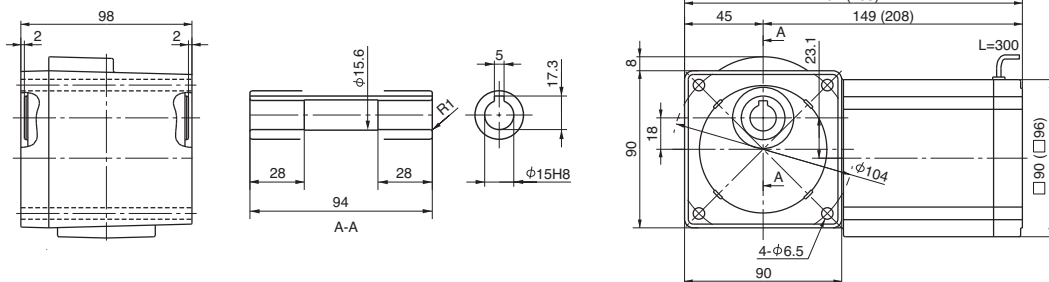
| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |       | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |     |
|--------------------------------------|------|--------------------|------|-------|-------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|-----|
|                                      |      | Nm                 |      | kgf m |       |      | N             |      | kgf  |      |                    |               |                    |                            |     |
|                                      |      |                    |      |       |       |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |     |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz  |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |     |
| 290                                  | 350  | 2.52               | 2.09 | 0.257 | 0.213 | 1.00 | 637           | 588  | 65   | 60   | 009                | —             | 17                 | —                          | 5   |
| 193                                  | 233  | 3.78               | 3.13 | 0.386 | 0.320 | 1.00 | 686           | 637  | 70   | 65   | 009                | —             | 17                 | —                          | 7.5 |
| 145                                  | 175  | 5.04               | 4.18 | 0.514 | 0.426 | 1.00 | 785           | 735  | 80   | 75   | 009                | —             | 17                 | —                          | 10  |
| 121                                  | 146  | 6.05               | 5.02 | 0.617 | 0.511 | 1.00 | 834           | 785  | 85   | 80   | 009                | —             | 17                 | —                          | 12  |
| 96.7                                 | 117  | 7.57               | 6.27 | 0.772 | 0.639 | 1.00 | 883           | 834  | 90   | 85   | 009                | —             | 17                 | —                          | 15  |
| 72.5                                 | 87.5 | 10.1               | 8.36 | 1.03  | 0.852 | 1.00 | 981           | 932  | 100  | 95   | 009                | —             | 17                 | —                          | 20  |
| 58.0                                 | 70.0 | 12.6               | 10.4 | 1.29  | 1.07  | 1.00 | 1030          | 981  | 105  | 100  | 009                | —             | 17                 | —                          | 25  |
| 48.3                                 | 58.3 | 15.1               | 12.5 | 1.54  | 1.28  | 1.00 | 1080          | 1030 | 110  | 105  | 009                | —             | 17                 | —                          | 30  |
| 36.3                                 | 43.8 | 20.2               | 16.7 | 2.06  | 1.70  | 1.00 | 1180          | 1130 | 120  | 115  | 009                | —             | 17                 | —                          | 40  |
| 29.0                                 | 35.0 | 25.2               | 20.9 | 2.57  | 2.13  | 1.00 | 1270          | 1230 | 130  | 125  | 009                | —             | 17                 | —                          | 50  |
| 24.2                                 | 29.2 | 30.3               | 25.1 | 3.09  | 2.56  | 1.00 | 1320          | 1270 | 135  | 130  | 009                | —             | 17                 | —                          | 60  |
| 18.1                                 | 21.9 | 40.4               | 33.4 | 4.12  | 3.41  | 1.00 | 1420          | 1370 | 145  | 140  | 009                | —             | 17                 | —                          | 80  |
| 14.5                                 | 17.5 | 50.4               | 41.8 | 5.14  | 4.26  | 1.00 | 1420          | 1420 | 145  | 145  | 009                | —             | 17                 | —                          | 100 |
| 12.1                                 | 14.6 | 53.9               | 50.2 | 5.50  | 5.11  | *    | 1420          | 1420 | 145  | 145  | 009                | —             | 17                 | —                          | 120 |
| 9.67                                 | 11.7 | 53.9               | 53.9 | 5.50  | 5.50  | *    | 1420          | 1420 | 145  | 145  | 009                | —             | 17                 | —                          | 150 |
| 7.25                                 | 8.75 | 53.9               | 53.9 | 5.50  | 5.50  | *    | 1420          | 1420 | 145  | 145  | 009                | —             | 17                 | —                          | 200 |
| 6.04                                 | 7.29 | 53.9               | 53.9 | 5.50  | 5.50  | *    | 1420          | 1420 | 145  | 145  | 009                | —             | 17                 | —                          | 240 |

Notes : 1. Motor slippage may affect  $n_1$  and  $n_2$ .

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Fig. 1

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.  
RNYM009-17-5-240 Mass 4.2kg  
(RNYM009-17-B-5-240) (Mass 4.6kg)Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".  
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



| RNYM Series Hollow Shaft Type        |      |                    |      |       |      |    |               |      |      |      | Motor Speed     | n <sub>1</sub> | 50Hz 60Hz       | 1450r/min 1750r/min  |      |   |
|--------------------------------------|------|--------------------|------|-------|------|----|---------------|------|------|------|-----------------|----------------|-----------------|----------------------|------|---|
| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |      | SF | Allowable Pro |      |      |      | Capacity Symbol | Frame Size     | Reduction Ratio | Outline Drawing Fig. |      |   |
|                                      |      | Nm                 |      | kgf m |      |    | N             |      | kgf  |      |                 |                |                 |                      |      |   |
|                                      |      | 50Hz               | 60Hz | 50Hz  | 60Hz |    | 50Hz          | 60Hz | 50Hz | 60Hz |                 |                |                 |                      |      |   |
| 4.83                                 | 5.83 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 300  | 2 |
| 4.03                                 | 4.86 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 360  |   |
| 3.02                                 | 3.65 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 480  |   |
| 2.42                                 | 2.92 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 600  |   |
| 2.01                                 | 2.43 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 720  |   |
| 1.61                                 | 1.94 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 900  |   |
| 1.21                                 | 1.46 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 1200 |   |
| 1.01                                 | 1.22 | 98.1               | 98.1 | 10.0  | 10.0 | *  | 1810          | 1810 | 185  | 185  | 009             | —              | 1240            | —                    | 1440 |   |

Notes : 1. Motor slippage may affect  $n_1$  and  $n_2$ .

1. Motor slippage may affect  $m_1$  and  $m_2$ .
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

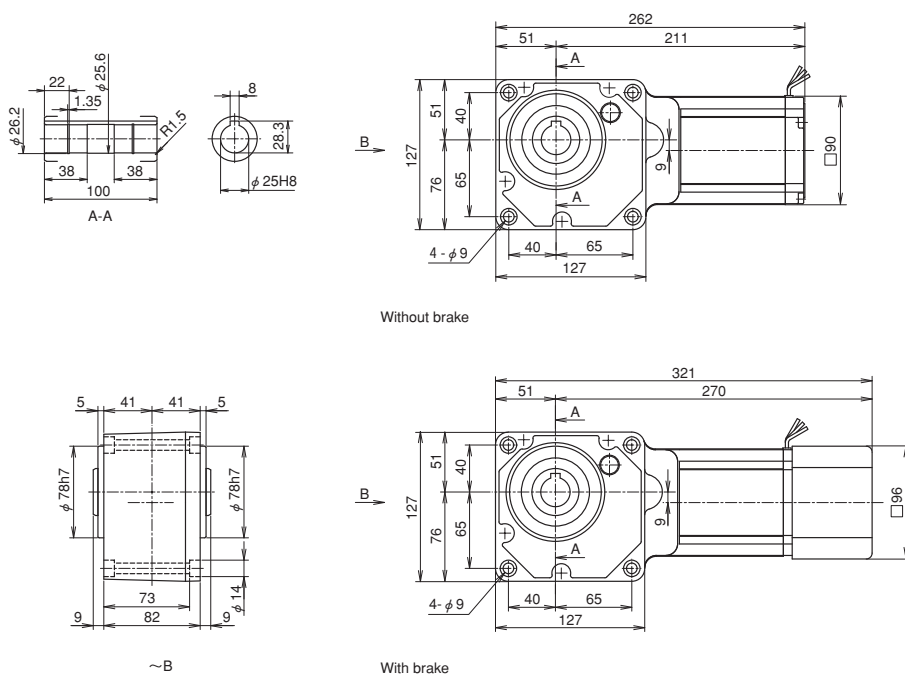
3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

**Fig. 2**

- Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

RNYM009-1240-300~1440  
(RNYM009-1240-B-300~1440)

Mass 7.0kg  
(Mass 7.4kg)



Notes: 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and masses in the drawings are subject to change without notice.



## RNYM Series Hollow Shaft Type

| Motor Speed n <sub>1</sub> | 50Hz      | 1450r/min |
|----------------------------|-----------|-----------|
| 60Hz                       | 1750r/min |           |

| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |       | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |   |
|--------------------------------------|------|--------------------|------|-------|-------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|---|
|                                      |      | Nm                 |      | kgf m |       |      | N             |      | kgf  |      |                    |               |                    |                            |   |
|                                      |      |                    |      |       |       |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |   |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz  |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |   |
| 290                                  | 350  | 2.80               | 2.32 | 0.286 | 0.237 | 2.00 | 539           | 490  | 55   | 50   | 01 —               | 1010          | —                  | 5                          | 1 |
|                                      |      |                    |      |       |       | 2.00 | 637           | 588  | 65   | 60   | 01 —               | 1120          | —                  | 5                          | 2 |
| 207                                  | 250  | 3.92               | 3.25 | 0.400 | 0.332 | 2.00 | 588           | 539  | 60   | 55   | 01 —               | 1010          | —                  | 7                          | 1 |
|                                      |      |                    |      |       |       | 2.00 | 686           | 637  | 70   | 65   | 01 —               | 1120          | —                  | 7                          | 2 |
| 145                                  | 175  | 5.61               | 4.64 | 0.572 | 0.474 | 1.00 | 637           | 588  | 65   | 60   | 01 —               | 1010          | —                  | 10                         | 1 |
|                                      |      |                    |      |       |       | 2.00 | 785           | 735  | 80   | 75   | 01 —               | 1120          | —                  | 10                         | 2 |
| 121                                  | 146  | 6.73               | 5.57 | 0.686 | 0.568 | 2.00 | 834           | 785  | 85   | 80   | 01 —               | 1120          | —                  | 12                         | 2 |
| 96.7                                 | 117  | 8.41               | 6.97 | 0.857 | 0.710 | 2.00 | 883           | 834  | 90   | 85   | 01 —               | 1120          | —                  | 15                         |   |
| 72.5                                 | 87.5 | 11.2               | 9.29 | 1.14  | 0.947 | 2.00 | 981           | 932  | 100  | 95   | 01 —               | 1120          | —                  | 20                         |   |
| 58.0                                 | 70.0 | 14.0               | 11.6 | 1.43  | 1.18  | 2.00 | 1030          | 981  | 105  | 100  | 01 —               | 1120          | —                  | 25                         |   |
| 48.3                                 | 58.3 | 16.8               | 13.9 | 1.71  | 1.42  | 2.00 | 1080          | 1030 | 110  | 105  | 01 —               | 1120          | —                  | 30                         |   |
| 36.3                                 | 43.8 | 22.4               | 18.6 | 2.29  | 1.89  | 1.00 | 1180          | 1130 | 120  | 115  | 01 —               | 1120          | —                  | 40                         |   |
|                                      |      |                    |      |       |       | 2.00 | 1620          | 1570 | 165  | 160  | 01 —               | 1220          | —                  | 40                         | 3 |
|                                      |      |                    |      |       |       |      |               |      |      |      |                    |               |                    |                            |   |
| 29.0                                 | 35.0 | 28.0               | 23.2 | 2.86  | 2.37  | 1.00 | 1270          | 1230 | 130  | 125  | 01 —               | 1120          | —                  | 50                         | 2 |
|                                      |      |                    |      |       |       | 2.00 | 1720          | 1670 | 175  | 170  | 01 —               | 1220          | —                  | 50                         | 3 |
| 24.2                                 | 29.2 | 33.6               | 27.9 | 3.43  | 2.84  | 1.00 | 1320          | 1270 | 135  | 130  | 01 —               | 1120          | —                  | 60                         | 2 |
|                                      |      |                    |      |       |       | 2.00 | 1770          | 1720 | 180  | 175  | 01 —               | 1220          | —                  | 60                         | 3 |

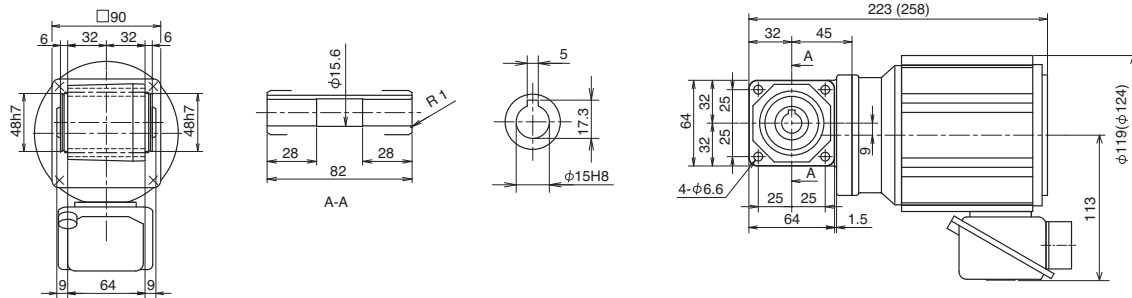
Notes : 1. Motor slippage may affect n<sub>1</sub> and n<sub>2</sub>.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

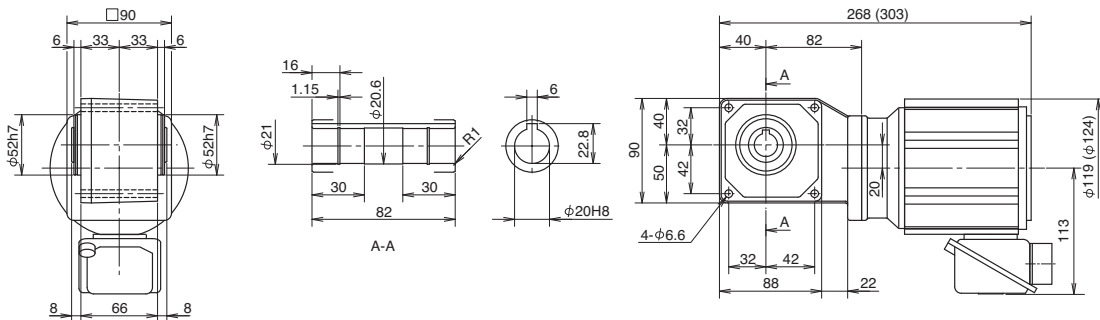
**Fig. 1**

RNYM01-1010-5~10  
(RNYM01-1010-B-5~10) Mass 5.0kg  
(Mass 6.5kg)



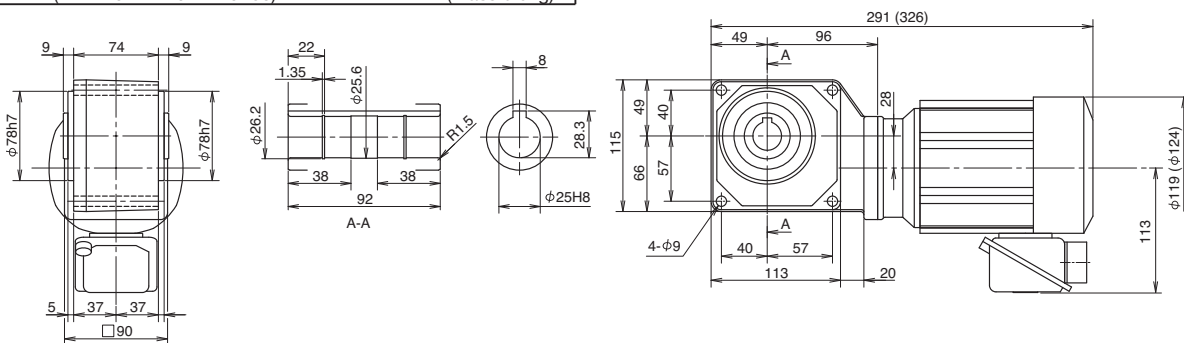
**Fig. 2**

RNYM01-1120-5~60  
(RNYM01-1120-B-5~60) Mass 6.0kg  
(Mass 7.5kg)



**Fig. 3**

RNYM01-1220-40~60  
(RNYM01-1220-B-40~60) Mass 7.0kg  
(Mass 8.5kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

3. Dimensions and Masses in the drawings are subject to change without notice.

# 0.1kW 3-phase Motor



0.1  
kW

## RNYM Series Hollow Shaft Type

| Motor Speed | n <sub>1</sub> | 50Hz | 1450r/min |
|-------------|----------------|------|-----------|
|             |                | 60Hz | 1750r/min |

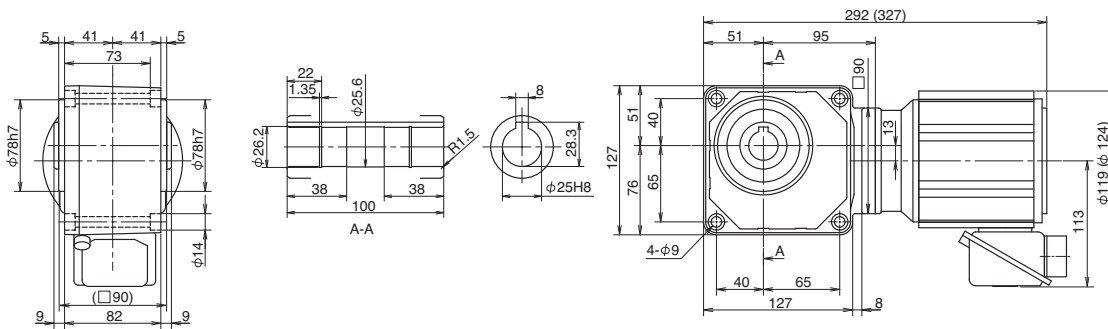
| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |      | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |
|--------------------------------------|------|--------------------|------|-------|------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|
|                                      |      | Nm                 |      | kgf m |      |      | N             |      | kgf  |      |                    |               |                    |                            |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |
| 18.1                                 | 21.9 | 44.8               | 37.2 | 4.57  | 3.79 | 1.00 | 1770          | 1770 | 180  | 180  | 01 —               | 1230          | — 80               | 4                          |
|                                      |      |                    |      |       |      | 2.00 | 3040          | 2940 | 310  | 300  | 01 —               | 1330          | — 80               | 5                          |
| 14.5                                 | 17.5 | 56.1               | 46.4 | 5.72  | 4.74 | 1.00 | 1810          | 1770 | 185  | 180  | 01 —               | 1230          | — 100              | 4                          |
|                                      |      |                    |      |       |      | 2.00 | 3090          | 3040 | 315  | 310  | 01 —               | 1330          | — 100              | 5                          |
| 12.1                                 | 14.6 | 67.3               | 55.7 | 6.86  | 5.68 | 1.00 | 1810          | 1810 | 185  | 185  | 01 —               | 1230          | — 120              | 4                          |
|                                      |      |                    |      |       |      | 2.00 | 3090          | 3090 | 315  | 315  | 01 —               | 1330          | — 120              | 5                          |
| 9.67                                 | 11.7 | 84.1               | 69.7 | 8.57  | 7.10 | 1.00 | 1810          | 1810 | 185  | 185  | 01 —               | 1230          | — 150              | 4                          |
|                                      |      |                    |      |       |      | 2.00 | 3090          | 3090 | 315  | 315  | 01 —               | 1330          | — 150              | 5                          |
| 7.25                                 | 8.75 | 98.1               | 92.9 | 10.0  | 9.47 | *    | 1810          | 1810 | 185  | 185  | 01 —               | 1230          | — 200              | 4                          |
|                                      |      | 112                | 92.9 | 11.4  | 9.47 | 1.74 | 3090          | 3090 | 315  | 315  | 01 —               | 1330          | — 200              | 5                          |
| 6.04                                 | 7.29 | 98.1               | 98.1 | 10.0  | 10.0 | *    | 1810          | 1810 | 185  | 185  | 01 —               | 1230          | — 240              | 4                          |
|                                      |      | 135                | 111  | 13.7  | 11.4 | 1.45 | 3090          | 3090 | 315  | 315  | 01 —               | 1330          | — 240              | 5                          |

Notes : 1. Motor slippage may affect n<sub>1</sub> and n<sub>2</sub>.

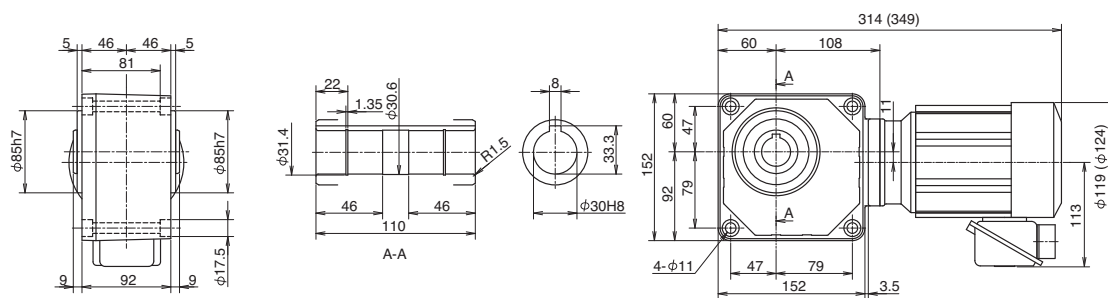
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

**Fig. 4** Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.  
RNYM01-1230-80~240 Mass 7.5kg  
(RNYM01-1230-B-80~840) (Mass 9.0kg)



**Fig. 5** RNYM01-1330-80~240 Mass 9.0kg  
(RNYM01-1330-B-80~840) (Mass 10kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



## RNYM Series Hollow Shaft Type

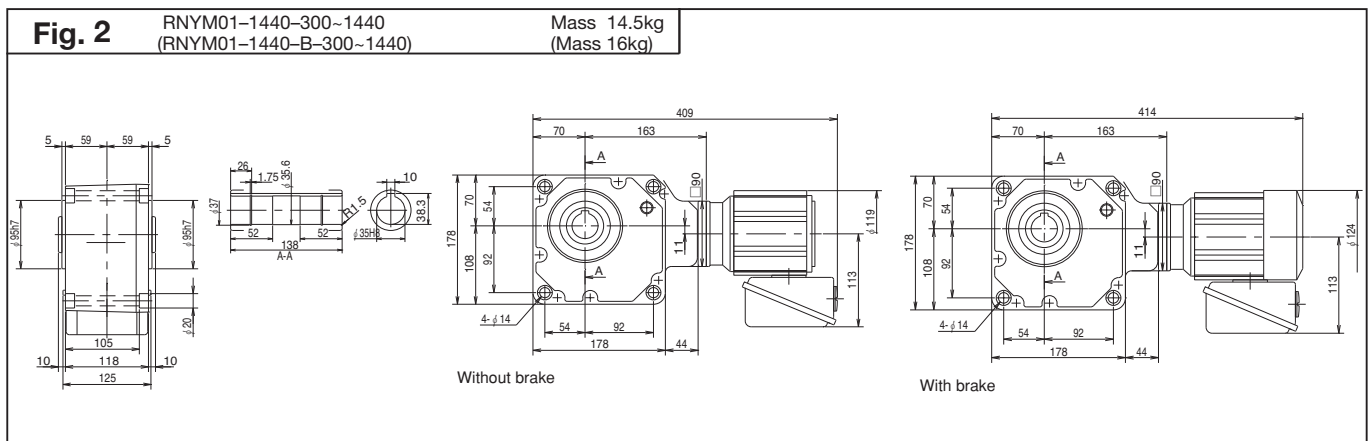
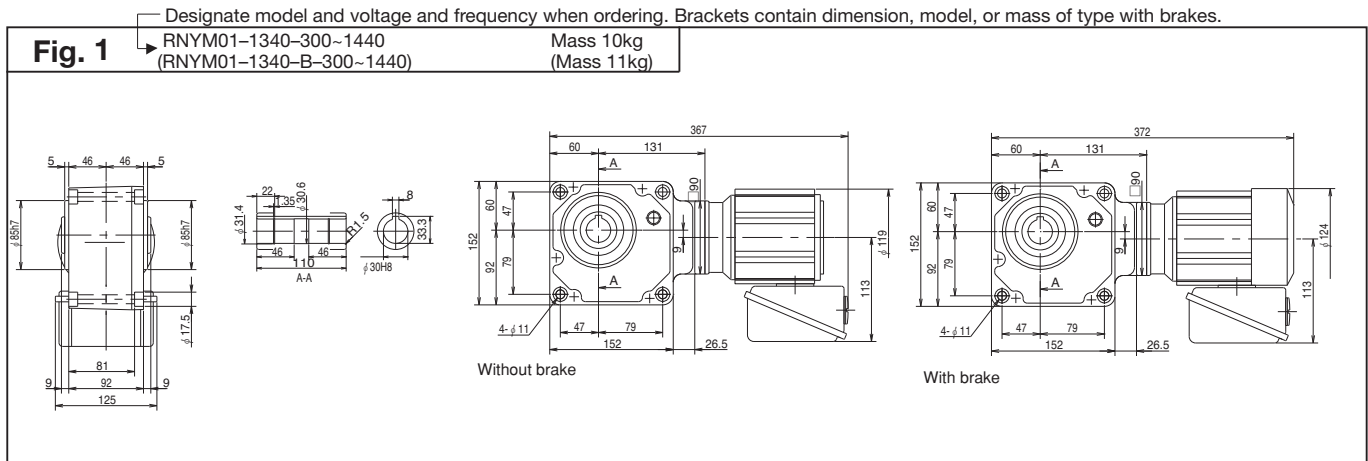
| Motor Speed n <sub>1</sub> | 50Hz      | 1450r/min |
|----------------------------|-----------|-----------|
| 60Hz                       | 1750r/min |           |

| Output speed n <sub>2</sub><br>r/min |      | Output Torque Tout |      |       |      | SF   | Allowable Pro |      |      |      | Capacity<br>Symbol | Frame<br>Size | Reduction<br>Ratio | Outline<br>Drawing<br>Fig. |   |
|--------------------------------------|------|--------------------|------|-------|------|------|---------------|------|------|------|--------------------|---------------|--------------------|----------------------------|---|
|                                      |      | Nm                 |      | kgf m |      |      | N             |      | kgf  |      |                    |               |                    |                            |   |
| 50Hz                                 | 60Hz | 50Hz               | 60Hz | 50Hz  | 60Hz |      | 50Hz          | 60Hz | 50Hz | 60Hz |                    |               |                    |                            |   |
| 4.83                                 | 5.83 | 158                | 131  | 16.1  | 13.4 | 1.00 | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 300                        | 1 |
|                                      |      |                    |      |       |      | 2.00 | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 300                        | 2 |
| 4.03                                 | 4.86 | 190                | 157  | 19.4  | 16.0 | 1.00 | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 360                        | 1 |
|                                      |      |                    |      |       |      | 2.00 | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 360                        | 2 |
| 3.02                                 | 3.65 | 195                | 195  | 19.9  | 19.9 | *    | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 480                        | 1 |
|                                      |      | 253                | 210  | 25.8  | 21.4 | 1.54 | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 480                        | 2 |
| 2.42                                 | 2.92 | 195                | 195  | 19.9  | 19.9 | *    | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 600                        | 1 |
|                                      |      | 317                | 262  | 32.3  | 26.7 | 1.23 | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 600                        | 2 |
| 2.01                                 | 2.43 | 195                | 195  | 19.9  | 19.9 | *    | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 720                        | 1 |
|                                      |      | 380                | 315  | 38.7  | 32.1 | 1.03 | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 720                        | 2 |
| 1.61                                 | 1.94 | 195                | 195  | 19.9  | 19.9 | *    | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 900                        | 1 |
|                                      |      | 390                | 390  | 39.8  | 39.8 | *    | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 900                        | 2 |
| 1.21                                 | 1.46 | 195                | 195  | 19.9  | 19.9 | *    | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 1200                       | 1 |
|                                      |      | 390                | 390  | 39.8  | 39.8 | *    | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 1200                       | 2 |
| 1.01                                 | 1.22 | 195                | 195  | 19.9  | 19.9 | *    | 3090          | 3090 | 315  | 315  | 01                 | —1340         | —                  | 1440                       | 1 |
|                                      |      | 390                | 390  | 39.8  | 39.8 | *    | 4360          | 4360 | 445  | 445  | 01                 | —1440         | —                  | 1440                       | 2 |

Notes : 1. Motor slippage may affect n<sub>1</sub> and n<sub>2</sub>.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is \*. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".  
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and masses in the drawings are subject to change without notice.

