

1. How to Select  
Standard Specifications  
Model Selection  
Selection of Load Factor  
Nomenclature
2. Selection Tables
3. Dimension Tables

# SUMITOMO

## CYCLO® SPEED REDUCER GEAR BOX ONLY WITHOUT MOTOR

### C CYCLO® SPEED REDUCER

#### 1. How to Select

Sumitomo Drive Technologies  
»» Building Tomorrow Together

**CYCLO DRIVE GEAR REDUCER**  
**CNH / CHH / CNV / CVV CYCLO 6000**  
**CYCLO SPEED REDUCER GEAR PORTION**

**GEAR HEAD ONLY**

Sumitomo Drive Technologies  
CYCLO 6000

Sumitomo Drive Technologies

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www.victorysystem.co.th  
LINE OA : @hipower89  
LET'S SUMITOMO GEAR MOTOR

## Nomenclature

| Slow Speed Shaft Direction         |   |
|------------------------------------|---|
| Horizontal, slow speed shaft level | H |
| Vertical, slow speed shaft down    | V |
| Vertical, slow speed shaft up      | W |
| Universal mounting                 | N |

| Mounting style |   |
|----------------|---|
| Foot           | H |
| V flange       | V |
| Flange         | F |

| Type of Input |    |
|---------------|----|
| Gearmotor     | M  |
| With adaptor  | JM |

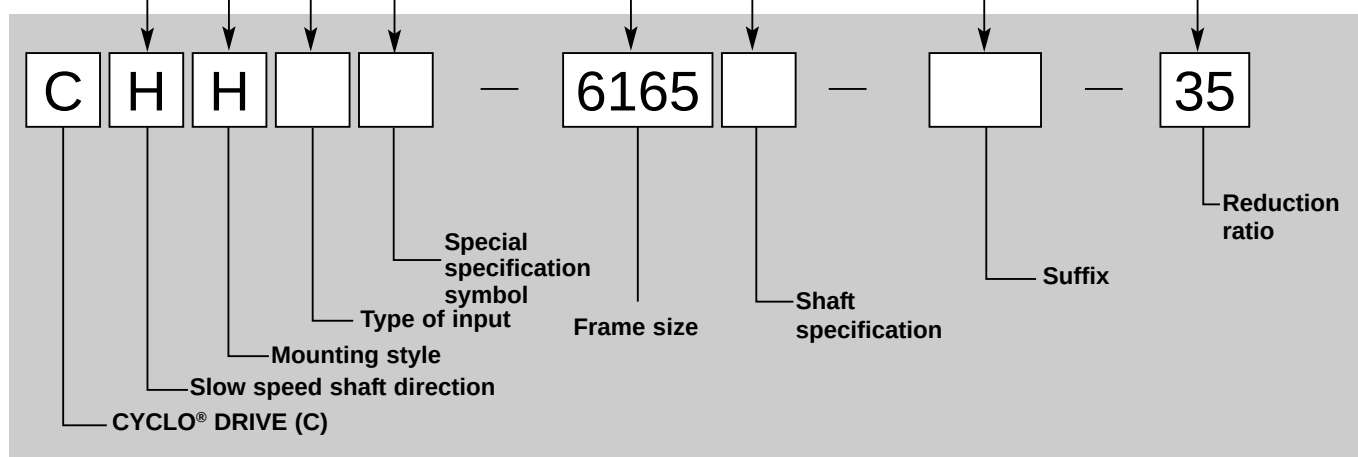
| Special Specifications |       |
|------------------------|-------|
| Standard specification | blank |
| Special specification  | S     |

| Shaft specification   |   |
|-----------------------|---|
| Metric JIS (Standard) | - |
| Inch size             | Y |
| Metric DIN            | G |

| Suffix                        |    |                            |
|-------------------------------|----|----------------------------|
| Standard                      | -  | HH Type Ceiling H1         |
| Light Heavy Radial            | R1 | Modification Left Wall H2  |
| High Cap. Brg. Ductile Casing | R2 | Modification Right Wall H3 |
| Baseplate                     | BP | Torque Limiter TL          |
| Low Backlash                  | LB |                            |

Frame size  
(Refer to Selection  
Tables starting from  
page C-11.)

Nominal ratio



REDUCERS

How to  
Select

# Nomenclature and Product Examples

## Nomenclature Examples(Speed Reducer)

### Example 1.

CNH - 6115 - 29

|       |                            |                       |
|-------|----------------------------|-----------------------|
| C:    | Model                      | - CYCLO® DRIVE        |
| N:    | Slow speed shaft direction | - Universal direction |
| H:    | Mounting style             | - Foot                |
| 6115: | Frame size                 | - 6115                |
| 29:   | Reduction ratio            | - 29                  |

### Example 2.

CVV - 6195DA - 377

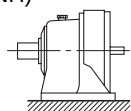
|         |                            |                     |
|---------|----------------------------|---------------------|
| C:      | Model                      | - CYCLO® DRIVE      |
| V:      | Slow speed shaft direction | - Vertical mounting |
| V:      | Mounting style             | - V flange          |
| 6195DA: | Frame size                 | - 6195DA            |
| 377:    | Reduction ratio            | - 377               |

## Product and Nomenclature Symbol Examples (Speed Reducer)

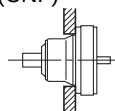
Standard and various application products of CYCLO SPEED REDUCER are classified by their nomenclature symbol as below. Refer to specific catalogs or consult us for details on our application products.

### CYCLO® SPEED REDUCERS

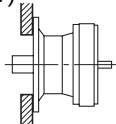
CHH  
(CNH)



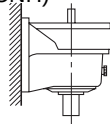
CHF  
(CNF)



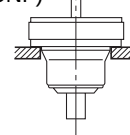
CHV  
(CNV)



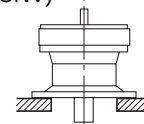
CVH  
(CNH)



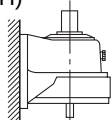
CVF  
(CNF)



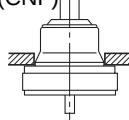
CVV  
(CNV)



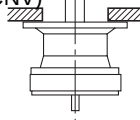
CWH  
(CNH)



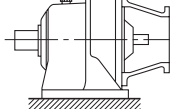
CWF  
(CNF)



CWV  
(CNV)

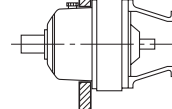


CHHJ



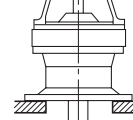
With Adaptor

CHFJ



With Adaptor

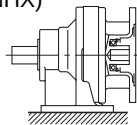
CVVJ



With Adaptor

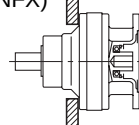
### CYCLO® SPEED REDUCERS Application Products

CHHX  
(CNHX)



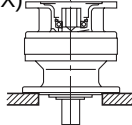
Input Side Hollow Shaft

CHFX  
(CNFX)



Input Side Hollow Shaft

CVVX  
(CNVX)



Input Side Hollow Shaft

# C CYCLO® SPEED REDUCERS

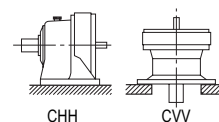
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## 2. Selection Tables

## Selection Tables 6000SK Series Reducer

Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

|             |                         |                                  |                                                  |
|-------------|-------------------------|----------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 50$<br>580 r/min | $n_1$ : Input Speed [r/min]      | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                         | $n_2$ : Output Speed [r/min]     | Pro: Allowable output shaft radial load [N, kgf] |
|             |                         | $P$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |



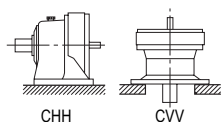
| Frame Size | $n_1$ [r/min]     | 50   |      |      |      |      |      |      | 580   |       |       |       |       |       |       | Dim. Page           |
|------------|-------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|---------------------|
|            | $n_2$ [r/min]     | 20.0 | 16.7 | 12.5 | 10.0 | 8.33 | 6.25 | 5.00 | 232   | 193   | 145   | 116   | 96.7  | 72.5  | 58.0  |                     |
|            | Ratio[Z]          | 2.5  | 3    | 4    | 5    | 6    | 8    | 10   | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    |                     |
| 6070SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 0.507 | 0.479 | 0.385 | 0.388 | 0.339 | 0.254 | 0.195 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 29.4 | 30.5 | 24.1 | 44.8 | 46.6 | 45.8 | 47.4 | 19.8  | 22.5  | 24.1  | 30.3  | 31.8  | 31.7  | 30.5  |                     |
|            | $T_{OUT}$ [kgf·m] | 2.99 | 3.10 | 2.46 | 4.56 | 4.75 | 4.67 | 4.83 | 2.02  | 2.29  | 2.46  | 3.09  | 3.24  | 3.23  | 3.11  |                     |
|            | Pro[N]            | 1770 | 1770 | 1770 | 1770 | 1770 | 1770 | 1770 | 1490  | 1550  | 1730  | 1770  | 1770  | 1770  | 1770  |                     |
|            | Pro[kgf]          | 180  | 180  | 180  | 180  | 180  | 180  | 180  | 152   | 158   | 176   | 180   | 180   | 180   | 180   |                     |
| 6075SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 0.634 | 0.599 | 0.482 | 0.485 | 0.424 | 0.317 | 0.244 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 36.7 | 38.1 | 30.1 | 56.0 | 58.3 | 57.3 | 59.3 | 24.8  | 28.1  | 30.1  | 37.9  | 39.8  | 39.7  | 38.1  |                     |
|            | $T_{OUT}$ [kgf·m] | 3.74 | 3.88 | 3.07 | 5.70 | 5.94 | 5.84 | 6.04 | 2.53  | 2.87  | 3.07  | 3.87  | 4.05  | 4.04  | 3.88  |                     |
|            | Pro[N]            | 1770 | 1770 | 1770 | 1770 | 1770 | 1770 | 1770 | 1430  | 1490  | 1660  | 1770  | 1770  | 1770  | 1770  |                     |
|            | Pro[kgf]          | 180  | 180  | 180  | 180  | 180  | 180  | 180  | 146   | 152   | 169   | 180   | 180   | 180   | 180   |                     |
| 6080SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 0.784 | 0.822 | 0.895 | 0.748 | 0.632 | 0.495 | 0.379 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 41.0 | 44.5 | 67.1 | 73.4 | 63.8 | 65.8 | 72.6 | 30.7  | 38.6  | 56.0  | 58.5  | 59.3  | 61.9  | 59.2  |                     |
|            | $T_{OUT}$ [kgf·m] | 4.17 | 4.54 | 6.84 | 7.49 | 6.50 | 6.70 | 7.40 | 3.12  | 3.93  | 5.71  | 5.97  | 6.04  | 6.31  | 6.04  |                     |
|            | Pro[N]            | 2560 | 2560 | 2560 | 2560 | 2560 | 2560 | 2560 | 1570  | 1620  | 1690  | 1860  | 1990  | 2200  | 2440  |                     |
|            | Pro[kgf]          | 261  | 261  | 261  | 261  | 261  | 261  | 261  | 160   | 165   | 172   | 190   | 203   | 224   | 249   |                     |
| 6085SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 0.981 | 1.03  | 1.12  | 0.879 | 0.790 | 0.618 | 0.473 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 44.2 | 55.7 | 83.9 | 86.2 | 79.8 | 82.2 | 90.8 | 38.4  | 48.3  | 70.0  | 68.7  | 74.2  | 77.4  | 74.0  |                     |
|            | $T_{OUT}$ [kgf·m] | 4.51 | 5.67 | 8.56 | 8.79 | 8.14 | 8.38 | 9.25 | 3.91  | 4.92  | 7.13  | 7.00  | 7.56  | 7.89  | 7.55  |                     |
|            | Pro[N]            | 2560 | 2560 | 2560 | 2560 | 2560 | 2560 | 2560 | 1490  | 1530  | 1560  | 1770  | 1840  | 2060  | 2320  |                     |
|            | Pro[kgf]          | 261  | 261  | 261  | 261  | 261  | 261  | 261  | 152   | 156   | 159   | 180   | 188   | 210   | 236   |                     |
| 6090SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 1.15  | 1.11  | 1.12  | 1.06  | 0.883 | 0.691 | 0.645 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 55.4 | 63.3 | 84.4 | 101  | 98.7 | 104  | 121  | 44.9  | 52.0  | 70.2  | 82.9  | 82.9  | 86.5  | 101   |                     |
|            | $T_{OUT}$ [kgf·m] | 5.65 | 6.46 | 8.61 | 10.3 | 10.1 | 10.6 | 12.3 | 4.58  | 5.30  | 7.16  | 8.45  | 8.45  | 8.81  | 10.3  |                     |
|            | Pro[N]            | 3340 | 3340 | 3340 | 3340 | 3340 | 3340 | 3340 | 2800  | 2900  | 3160  | 3340  | 3340  | 3340  | 3340  |                     |
|            | Pro[kgf]          | 340  | 340  | 340  | 340  | 340  | 340  | 340  | 285   | 296   | 322   | 340   | 340   | 340   | 340   |                     |
| 6095SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 1.30  | 1.25  | 1.25  | 1.25  | 1.05  | 0.814 | 0.814 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 62.6 | 71.3 | 95.1 | 119  | 117  | 122  | 153  | 50.7  | 58.5  | 78.0  | 97.5  | 98.6  | 102   | 127   |                     |
|            | $T_{OUT}$ [kgf·m] | 6.38 | 7.27 | 9.70 | 12.1 | 12.0 | 12.5 | 15.6 | 5.17  | 5.97  | 7.95  | 9.94  | 10.0  | 10.4  | 13.0  |                     |
|            | Pro[N]            | 3340 | 3340 | 3340 | 3340 | 3340 | 3340 | 3340 | 2740  | 2840  | 3080  | 3220  | 3340  | 3340  | 3340  |                     |
|            | Pro[kgf]          | 340  | 340  | 340  | 340  | 340  | 340  | 340  | 279   | 289   | 314   | 328   | 340   | 340   | 340   |                     |
| 6100SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 1.35  | 1.32  | 1.29  | 1.28  | 1.07  | 0.848 | 0.891 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 66.5 | 79.7 | 107  | 133  | 119  | 126  | 156  | 52.8  | 61.9  | 80.6  | 99.7  | 101   | 106   | 139   |                     |
|            | $T_{OUT}$ [kgf·m] | 6.78 | 8.12 | 11.0 | 13.6 | 12.2 | 12.8 | 15.9 | 5.38  | 6.31  | 8.22  | 10.2  | 10.3  | 10.8  | 14.2  |                     |
|            | Pro[N]            | 5400 | 5400 | 5400 | 5400 | 5400 | 5400 | 5400 | 2720  | 2810  | 3060  | 3200  | 3370  | 3710  | 3890  |                     |
|            | Pro[kgf]          | 550  | 550  | 550  | 550  | 550  | 550  | 550  | 277   | 286   | 312   | 326   | 344   | 378   | 397   |                     |
| 6105SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 1.50  | 1.55  | 1.52  | 1.50  | 1.26  | 0.996 | 0.990 | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 78.2 | 93.7 | 126  | 156  | 136  | 127  | 159  | 58.7  | 72.8  | 94.9  | 117   | 118   | 125   | 155   |                     |
|            | $T_{OUT}$ [kgf·m] | 7.97 | 9.55 | 12.9 | 15.9 | 13.8 | 13.0 | 16.3 | 5.98  | 7.42  | 9.67  | 11.9  | 12.1  | 12.7  | 15.8  |                     |
|            | Pro[N]            | 5400 | 5400 | 5400 | 5400 | 5400 | 5400 | 5400 | 2650  | 2700  | 2920  | 3030  | 3220  | 3500  | 3760  |                     |
|            | Pro[kgf]          | 550  | 550  | 550  | 550  | 550  | 550  | 550  | 270   | 275   | 298   | 309   | 328   | 357   | 383   |                     |
| 6110SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 2.52  | 2.52  | 2.50  | 2.30  | 2.05  | 1.58  | 1.32  | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 98.4 | 118  | 157  | 195  | 195  | 197  | 249  | 98.4  | 118   | 157   | 180   | 192   | 197   | 207   |                     |
|            | $T_{OUT}$ [kgf·m] | 10.0 | 12.0 | 16.0 | 19.9 | 19.9 | 20.1 | 25.4 | 10.0  | 12.0  | 16.0  | 18.3  | 19.6  | 20.1  | 21.1  |                     |
|            | Pro[N]            | 7610 | 7610 | 7610 | 7610 | 7610 | 7610 | 7610 | 3470  | 3650  | 3840  | 4060  | 4370  | 4920  | 5420  |                     |
|            | Pro[kgf]          | 776  | 776  | 776  | 776  | 776  | 776  | 776  | 354   | 372   | 391   | 414   | 445   | 502   | 552   |                     |
| 6115SK     | $P_i$ [kW]        | -    | -    | -    | -    | -    | -    | -    | 3.15  | 3.15  | 3.13  | 2.88  | 2.56  | 1.97  | 1.65  | CHH C-70<br>CW C-81 |
|            | $T_{OUT}$ [N·m]   | 123  | 148  | 196  | 244  | 244  | 247  | 311  | 123   | 148   | 196   | 225   | 241   | 247   | 259   |                     |
|            | $T_{OUT}$ [kgf·m] | 12.5 | 15.0 | 20.0 | 24.9 | 24.9 | 25.2 | 31.7 | 12.5  | 15.0  | 20.0  | 22.9  | 24.5  | 25.2  | 26.4  |                     |
|            | Pro[N]            | 7610 | 7610 | 7610 | 7610 | 7610 | 7610 | 7610 | 3260  | 3400  | 3540  | 3740  | 4000  | 4570  | 5040  |                     |
|            | Pro[kgf]          | 776  | 776  | 776  | 776  | 776  | 776  | 776  | 332   | 347   | 361   | 381   | 408   | 466   | 514   |                     |
| Frame Size | Ratio[Z]          | 2.5  | 3    | 4    | 5    | 6    | 8    | 10   | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | Dim. Page           |
|            | $n_2$ [r/min]     | 20.0 | 16.7 | 12.5 | 10.0 | 8.33 | 6.25 | 5.00 | 232   | 193   | 145   | 116   | 96.7  | 72.5  | 58.0  |                     |
|            | $n_1$ [r/min]     | 50   |      |      |      |      |      |      |       | 580   |       |       |       |       |       |                     |

Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000SK Series Reducer



Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

|                               |                                                  |             |                               |
|-------------------------------|--------------------------------------------------|-------------|-------------------------------|
| $n_1$ : Input Speed [r/min]   | $T_{out}$ : Allowable output torque [N·m, kgf·m] | Input Speed | $n_1 = \frac{720}{870}$ r/min |
| $n_2$ : Output Speed [r/min]  | Pro: Allowable output shaft radial load [N, kgf] |             |                               |
| P: Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |             |                               |

| Frame Size | n <sub>1</sub> [r/min]   | 720   |       |       |       |       |       |       | 870   |       |       |       |       |       |       | Dim. Page |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
|            | n <sub>2</sub> [r/min]   | 288   | 240   | 180   | 144   | 120   | 90.0  | 72.0  | 348   | 290   | 218   | 174   | 145   | 109   | 87.0  |           |
|            | Ratio[Z]                 | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    |           |
| 6070SK     | P <sub>i</sub> [kW]      | 0.614 | 0.581 | 0.478 | 0.473 | 0.414 | 0.310 | 0.238 | 0.723 | 0.686 | 0.578 | 0.563 | 0.492 | 0.369 | 0.284 | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 19.3  | 22.0  | 24.1  | 29.8  | 31.3  | 31.2  | 30.0  | 18.9  | 21.5  | 24.1  | 29.3  | 30.8  | 30.8  | 29.6  |           |
|            | T <sub>OUT</sub> [kgf·m] | 1.97  | 2.24  | 2.46  | 3.04  | 3.19  | 3.18  | 3.06  | 1.92  | 2.19  | 2.46  | 2.99  | 3.14  | 3.14  | 3.02  |           |
|            | Pro[N]                   | 1370  | 1430  | 1590  | 1730  | 1770  | 1770  | 1770  | 1290  | 1330  | 1470  | 1600  | 1700  | 1770  | 1770  |           |
|            | Pro[kgf]                 | 140   | 146   | 162   | 176   | 180   | 180   | 180   | 131   | 136   | 150   | 163   | 173   | 180   | 180   |           |
| 6075SK     | P <sub>i</sub> [kW]      | 0.767 | 0.726 | 0.598 | 0.591 | 0.517 | 0.387 | 0.298 | 0.904 | 0.857 | 0.723 | 0.703 | 0.615 | 0.461 | 0.355 | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 24.2  | 27.5  | 30.1  | 37.3  | 39.1  | 39.0  | 37.5  | 23.6  | 26.8  | 30.1  | 36.7  | 38.5  | 38.5  | 37.0  |           |
|            | T <sub>OUT</sub> [kgf·m] | 2.46  | 2.80  | 3.07  | 3.80  | 3.98  | 3.98  | 3.82  | 2.40  | 2.73  | 3.07  | 3.74  | 3.92  | 3.92  | 3.77  |           |
|            | Pro[N]                   | 1320  | 1370  | 1520  | 1650  | 1750  | 1770  | 1770  | 1230  | 1290  | 1410  | 1530  | 1620  | 1770  | 1770  |           |
|            | Pro[kgf]                 | 135   | 140   | 155   | 168   | 178   | 180   | 180   | 125   | 131   | 144   | 156   | 165   | 180   | 180   |           |
| 6080SK     | P <sub>i</sub> [kW]      | 0.935 | 0.981 | 1.03  | 0.912 | 0.771 | 0.604 | 0.463 | 1.09  | 1.14  | 1.17  | 1.08  | 0.917 | 0.719 | 0.551 | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 29.5  | 37.1  | 52.1  | 57.5  | 58.3  | 60.9  | 58.3  | 28.4  | 35.8  | 48.9  | 56.6  | 57.4  | 60.0  | 57.4  |           |
|            | T <sub>OUT</sub> [kgf·m] | 3.00  | 3.78  | 5.31  | 5.86  | 5.94  | 6.20  | 5.94  | 2.90  | 3.65  | 4.98  | 5.76  | 5.85  | 6.11  | 5.85  |           |
|            | Pro[N]                   | 1450  | 1500  | 1570  | 1710  | 1810  | 2010  | 2250  | 1350  | 1390  | 1470  | 1580  | 1690  | 1860  | 2080  |           |
|            | Pro[kgf]                 | 148   | 153   | 160   | 174   | 185   | 205   | 229   | 138   | 142   | 150   | 161   | 172   | 190   | 212   |           |
| 6085SK     | P <sub>i</sub> [kW]      | 1.17  | 1.23  | 1.29  | 1.07  | 0.964 | 0.755 | 0.578 | 1.36  | 1.43  | 1.47  | 1.27  | 1.15  | 0.899 | 0.688 | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 36.9  | 46.4  | 65.1  | 67.5  | 72.9  | 76.1  | 72.9  | 35.6  | 44.7  | 61.1  | 66.4  | 71.8  | 75.0  | 71.8  |           |
|            | T <sub>OUT</sub> [kgf·m] | 3.76  | 4.73  | 6.64  | 6.88  | 7.43  | 7.76  | 7.43  | 3.62  | 4.56  | 6.23  | 6.77  | 7.32  | 7.64  | 7.32  |           |
|            | Pro[N]                   | 1380  | 1410  | 1450  | 1610  | 1690  | 1880  | 2120  | 1290  | 1310  | 1360  | 1490  | 1550  | 1740  | 1960  |           |
|            | Pro[kgf]                 | 141   | 144   | 148   | 164   | 172   | 192   | 216   | 131   | 134   | 139   | 152   | 158   | 177   | 200   |           |
| 6090SK     | P <sub>i</sub> [kW]      | 1.38  | 1.33  | 1.33  | 1.27  | 1.07  | 0.834 | 0.778 | 1.61  | 1.56  | 1.56  | 1.49  | 1.25  | 0.980 | 0.915 | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 43.4  | 50.3  | 67.1  | 80.3  | 80.6  | 84.0  | 98.0  | 42.0  | 48.8  | 65.0  | 77.8  | 78.4  | 81.8  | 95.4  |           |
|            | T <sub>OUT</sub> [kgf·m] | 4.42  | 5.13  | 6.84  | 8.18  | 8.22  | 8.57  | 10.0  | 4.28  | 4.97  | 6.63  | 7.93  | 7.99  | 8.34  | 9.73  |           |
|            | Pro[N]                   | 2580  | 2680  | 2920  | 3090  | 3260  | 3340  | 3340  | 2410  | 2500  | 2730  | 2870  | 3030  | 3340  | 3340  |           |
|            | Pro[kgf]                 | 263   | 273   | 298   | 315   | 332   | 340   | 340   | 246   | 255   | 278   | 293   | 309   | 340   | 340   |           |
| 6095SK     | P <sub>i</sub> [kW]      | 1.56  | 1.50  | 1.50  | 1.50  | 1.27  | 0.983 | 0.983 | 1.82  | 1.76  | 1.76  | 1.76  | 1.49  | 1.16  | 1.16  | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 49.0  | 56.7  | 75.6  | 94.5  | 95.9  | 99.1  | 124   | 47.4  | 54.9  | 73.2  | 91.5  | 93.3  | 96.4  | 121   |           |
|            | T <sub>OUT</sub> [kgf·m] | 4.99  | 5.78  | 7.70  | 9.63  | 9.77  | 10.1  | 12.6  | 4.83  | 5.60  | 7.46  | 9.33  | 9.51  | 9.83  | 12.3  |           |
|            | Pro[N]                   | 2520  | 2620  | 2840  | 2960  | 3120  | 3340  | 3340  | 2350  | 2440  | 2650  | 2750  | 2900  | 3200  | 3340  |           |
|            | Pro[kgf]                 | 257   | 267   | 290   | 302   | 318   | 340   | 340   | 240   | 249   | 270   | 280   | 296   | 326   | 340   |           |
| 6100SK     | P <sub>i</sub> [kW]      | 1.68  | 1.64  | 1.60  | 1.58  | 1.33  | 1.05  | 1.11  | 1.91  | 1.98  | 1.93  | 1.91  | 1.61  | 1.27  | 1.34  | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 52.8  | 61.9  | 80.6  | 99.7  | 101   | 106   | 139   | 49.9  | 61.9  | 80.6  | 99.7  | 101   | 106   | 139   |           |
|            | T <sub>OUT</sub> [kgf·m] | 5.38  | 6.31  | 8.22  | 10.2  | 10.3  | 10.8  | 14.2  | 5.09  | 6.31  | 8.22  | 10.2  | 10.3  | 10.8  | 14.2  |           |
|            | Pro[N]                   | 2480  | 2560  | 2800  | 2910  | 3080  | 3360  | 3540  | 2330  | 2370  | 2570  | 2680  | 2840  | 3090  | 3240  |           |
|            | Pro[kgf]                 | 253   | 261   | 285   | 297   | 314   | 343   | 361   | 238   | 242   | 262   | 273   | 289   | 315   | 330   |           |
| 6105SK     | P <sub>i</sub> [kW]      | 1.86  | 1.93  | 1.88  | 1.86  | 1.56  | 1.24  | 1.23  | 2.25  | 2.33  | 2.27  | 2.25  | 1.89  | 1.49  | 1.48  | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 58.7  | 72.8  | 94.9  | 117   | 118   | 125   | 155   | 58.7  | 72.8  | 94.9  | 117   | 118   | 125   | 155   |           |
|            | T <sub>OUT</sub> [kgf·m] | 5.98  | 7.42  | 9.67  | 11.9  | 12.1  | 12.7  | 15.8  | 5.98  | 7.42  | 9.67  | 11.9  | 12.1  | 12.7  | 15.8  |           |
|            | Pro[N]                   | 2420  | 2450  | 2650  | 2750  | 2910  | 3170  | 3390  | 2240  | 2260  | 2430  | 2510  | 2680  | 2880  | 3100  |           |
|            | Pro[kgf]                 | 247   | 250   | 270   | 280   | 297   | 323   | 346   | 228   | 230   | 248   | 256   | 273   | 294   | 316   |           |
| 6110SK     | P <sub>i</sub> [kW]      | 3.12  | 3.12  | 3.11  | 2.75  | 2.47  | 1.96  | 1.61  | 3.66  | 3.76  | 3.75  | 3.20  | 2.89  | 2.37  | 1.92  | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 98.4  | 118   | 157   | 173   | 187   | 197   | 203   | 95.5  | 118   | 157   | 167   | 181   | 197   | 200   |           |
|            | T <sub>OUT</sub> [kgf·m] | 10.0  | 12.0  | 16.0  | 17.7  | 19.0  | 20.1  | 20.7  | 9.74  | 12.0  | 16.0  | 17.0  | 18.4  | 20.1  | 20.4  |           |
|            | Pro[N]                   | 3170  | 3330  | 3490  | 3740  | 4000  | 4480  | 4960  | 2940  | 3070  | 3210  | 3470  | 3720  | 4120  | 4590  |           |
|            | Pro[kgf]                 | 323   | 339   | 356   | 381   | 408   | 457   | 506   | 300   | 313   | 327   | 354   | 379   | 420   | 468   |           |
| 6115SK     | P <sub>i</sub> [kW]      | 3.91  | 3.90  | 3.88  | 3.44  | 3.09  | 2.45  | 2.02  | 4.58  | 4.70  | 4.69  | 4.00  | 3.61  | 2.96  | 2.40  | CHH C-70  |
|            | T <sub>OUT</sub> [N·m]   | 123   | 148   | 196   | 217   | 233   | 247   | 254   | 119   | 147   | 196   | 209   | 226   | 247   | 250   |           |
|            | T <sub>OUT</sub> [kgf·m] | 12.5  | 15.0  | 20.0  | 22.1  | 23.8  | 25.2  | 25.9  | 12.2  | 15.0  | 20.0  | 21.3  | 23.0  | 25.2  | 25.5  |           |
|            | Pro[N]                   | 2950  | 3080  | 3200  | 3420  | 3650  | 4130  | 4600  | 2740  | 2830  | 2910  | 3180  | 3370  | 3770  | 4230  |           |
|            | Pro[kgf]                 | 301   | 314   | 326   | 349   | 372   | 421   | 469   | 279   | 288   | 297   | 324   | 344   | 384   | 431   |           |
| Frame Size | Ratio[Z]                 | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | Dim. Page |
|            | n <sub>2</sub> [r/min]   | 288   | 240   | 180   | 144   | 120   | 90.0  | 72.0  | 348   | 290   | 218   | 174   | 145   | 109   | 87.0  |           |
|            | n <sub>1</sub> [r/min]   | 720   |       |       |       |       |       |       | 870   |       |       |       |       |       |       |           |

Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

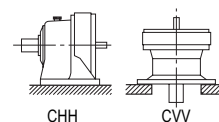
2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000SK Series Reducer

Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

|             |                                |                               |                                                  |
|-------------|--------------------------------|-------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = \frac{980}{1165}$ r/min | $n_1$ : Input Speed [r/min]   | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                                | $n_2$ : Output Speed [r/min]  | Pro: Allowable output shaft radial load [N, kgf] |
|             |                                | P: Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |



| Frame Size | $n_1$ [r/min]     | 980   |       |       |       |       |       |       | 1165  |       |       |       |       |       |       | Dim. Page            |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
|            | $n_2$ [r/min]     | 392   | 327   | 245   | 196   | 163   | 123   | 98.0  | 466   | 388   | 291   | 233   | 194   | 146   | 117   |                      |
|            | Ratio[Z]          | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    |                      |
| 6070SK     | $P_i$ [kW]        | 0.801 | 0.760 | 0.649 | 0.627 | 0.549 | 0.411 | 0.317 | 0.927 | 0.882 | 0.763 | 0.734 | 0.642 | 0.482 | 0.371 | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 18.5  | 21.1  | 24.0  | 29.0  | 30.5  | 30.5  | 29.3  | 18.1  | 20.6  | 23.8  | 28.6  | 30.0  | 30.0  | 28.9  |                      |
|            | $T_{out}$ [kgf·m] | 1.89  | 2.15  | 2.45  | 2.96  | 3.11  | 3.11  | 2.99  | 1.84  | 2.10  | 2.42  | 2.91  | 3.06  | 3.06  | 2.95  |                      |
|            | Pro[N]            | 1230  | 1280  | 1410  | 1530  | 1620  | 1770  | 1770  | 1150  | 1200  | 1310  | 1430  | 1520  | 1710  | 1770  |                      |
|            | Pro[kgf]          | 125   | 130   | 144   | 156   | 165   | 180   | 180   | 117   | 122   | 134   | 146   | 155   | 174   | 180   |                      |
| 6075SK     | $P_i$ [kW]        | 1.00  | 0.950 | 0.811 | 0.784 | 0.686 | 0.514 | 0.396 | 1.16  | 1.10  | 0.953 | 0.918 | 0.803 | 0.603 | 0.464 | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 23.2  | 26.4  | 30.0  | 36.3  | 38.1  | 38.1  | 36.6  | 22.6  | 25.7  | 29.7  | 35.7  | 37.5  | 37.6  | 36.1  |                      |
|            | $T_{out}$ [kgf·m] | 2.36  | 2.69  | 3.06  | 3.70  | 3.88  | 3.88  | 3.73  | 2.30  | 2.62  | 3.03  | 3.64  | 3.82  | 3.83  | 3.68  |                      |
|            | Pro[N]            | 1180  | 1230  | 1340  | 1460  | 1550  | 1750  | 1770  | 1100  | 1150  | 1260  | 1360  | 1450  | 1640  | 1770  |                      |
|            | Pro[kgf]          | 120   | 125   | 137   | 149   | 158   | 178   | 180   | 112   | 117   | 128   | 139   | 148   | 167   | 180   |                      |
| 6080SK     | $P_i$ [kW]        | 1.20  | 1.26  | 1.27  | 1.19  | 0.997 | 0.802 | 0.615 | 1.38  | 1.42  | 1.42  | 1.34  | 1.12  | 0.939 | 0.720 | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 27.9  | 35.1  | 47.0  | 55.3  | 55.4  | 59.4  | 56.9  | 27.0  | 33.3  | 44.4  | 52.2  | 52.3  | 58.5  | 56.1  |                      |
|            | $T_{out}$ [kgf·m] | 2.84  | 3.57  | 4.79  | 5.63  | 5.65  | 6.05  | 5.80  | 2.75  | 3.39  | 4.52  | 5.32  | 5.33  | 5.96  | 5.72  |                      |
|            | Pro[N]            | 1290  | 1330  | 1410  | 1500  | 1620  | 1780  | 1980  | 1220  | 1260  | 1330  | 1420  | 1520  | 1660  | 1850  |                      |
|            | Pro[kgf]          | 132   | 136   | 144   | 153   | 165   | 181   | 202   | 124   | 128   | 136   | 145   | 155   | 169   | 189   |                      |
| 6085SK     | $P_i$ [kW]        | 1.51  | 1.58  | 1.59  | 1.40  | 1.25  | 1.00  | 0.768 | 1.73  | 1.78  | 1.78  | 1.57  | 1.40  | 1.17  | 0.900 | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 34.8  | 43.8  | 58.8  | 64.9  | 69.3  | 74.2  | 71.1  | 33.7  | 41.6  | 55.5  | 61.3  | 65.4  | 73.2  | 70.1  |                      |
|            | $T_{out}$ [kgf·m] | 3.55  | 4.47  | 5.99  | 6.61  | 7.06  | 7.57  | 7.25  | 3.44  | 4.24  | 5.65  | 6.24  | 6.67  | 7.46  | 7.15  |                      |
|            | Pro[N]            | 1230  | 1260  | 1300  | 1420  | 1480  | 1650  | 1860  | 1150  | 1180  | 1240  | 1340  | 1400  | 1530  | 1740  |                      |
|            | Pro[kgf]          | 125   | 128   | 133   | 145   | 151   | 168   | 190   | 117   | 120   | 126   | 137   | 143   | 156   | 177   |                      |
| 6090SK     | $P_i$ [kW]        | 1.77  | 1.72  | 1.72  | 1.64  | 1.39  | 1.08  | 1.01  | 2.03  | 1.97  | 1.97  | 1.89  | 1.60  | 1.25  | 1.17  | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 41.0  | 47.7  | 63.6  | 76.1  | 77.0  | 80.3  | 93.7  | 39.5  | 46.1  | 61.5  | 73.6  | 74.8  | 78.1  | 91.1  |                      |
|            | $T_{out}$ [kgf·m] | 4.18  | 4.86  | 6.48  | 7.76  | 7.85  | 8.19  | 9.55  | 4.03  | 4.70  | 6.27  | 7.50  | 7.62  | 7.96  | 9.29  |                      |
|            | Pro[N]            | 2320  | 2390  | 2610  | 2760  | 2900  | 3210  | 3340  | 2180  | 2250  | 2450  | 2580  | 2720  | 3000  | 3270  |                      |
|            | Pro[kgf]          | 236   | 244   | 266   | 281   | 296   | 327   | 340   | 222   | 229   | 250   | 263   | 277   | 306   | 333   |                      |
| 6095SK     | $P_i$ [kW]        | 2.00  | 1.93  | 1.93  | 1.93  | 1.65  | 1.28  | 1.28  | 2.29  | 2.22  | 2.22  | 2.22  | 1.90  | 1.48  | 1.48  | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 46.3  | 53.7  | 71.6  | 89.6  | 91.6  | 94.7  | 118   | 44.6  | 51.9  | 69.2  | 86.5  | 88.9  | 92.1  | 115   |                      |
|            | $T_{out}$ [kgf·m] | 4.72  | 5.48  | 7.30  | 9.13  | 9.34  | 9.65  | 12.1  | 4.55  | 5.29  | 7.06  | 8.82  | 9.07  | 9.38  | 11.7  |                      |
|            | Pro[N]            | 2260  | 2330  | 2530  | 2630  | 2770  | 3050  | 3260  | 2120  | 2190  | 2370  | 2460  | 2590  | 2840  | 3050  |                      |
|            | Pro[kgf]          | 230   | 238   | 258   | 268   | 282   | 311   | 332   | 216   | 223   | 242   | 251   | 264   | 290   | 311   |                      |
| 6100SK     | $P_i$ [kW]        | 2.16  | 2.23  | 2.18  | 2.15  | 1.81  | 1.43  | 1.51  | 2.56  | 2.65  | 2.59  | 2.56  | 2.15  | 1.70  | 1.71  | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 49.9  | 61.9  | 80.6  | 99.7  | 101   | 106   | 139   | 49.9  | 61.9  | 80.6  | 99.7  | 101   | 106   | 133   |                      |
|            | $T_{out}$ [kgf·m] | 5.09  | 6.31  | 8.22  | 10.2  | 10.3  | 10.8  | 14.2  | 5.09  | 6.31  | 8.22  | 10.2  | 10.3  | 10.8  | 13.6  |                      |
|            | Pro[N]            | 2220  | 2260  | 2440  | 2530  | 2690  | 2920  | 3060  | 2070  | 2090  | 2260  | 2340  | 2480  | 2700  | 2870  |                      |
|            | Pro[kgf]          | 226   | 230   | 249   | 258   | 274   | 298   | 312   | 211   | 213   | 230   | 239   | 253   | 275   | 293   |                      |
| 6105SK     | $P_i$ [kW]        | 2.53  | 2.62  | 2.56  | 2.53  | 2.13  | 1.68  | 1.67  | 3.01  | 3.12  | 3.05  | 3.01  | 2.53  | 2.00  | 1.90  | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 58.7  | 72.8  | 94.9  | 117   | 118   | 125   | 155   | 58.7  | 72.8  | 94.9  | 117   | 118   | 125   | 148   |                      |
|            | $T_{out}$ [kgf·m] | 5.98  | 7.42  | 9.67  | 11.9  | 12.1  | 12.7  | 15.8  | 5.98  | 7.42  | 9.67  | 11.9  | 12.1  | 12.7  | 15.1  |                      |
|            | Pro[N]            | 2130  | 2140  | 2300  | 2370  | 2530  | 2730  | 2920  | 1970  | 1980  | 2120  | 2180  | 2320  | 2490  | 2740  |                      |
|            | Pro[kgf]          | 217   | 218   | 234   | 242   | 258   | 278   | 298   | 201   | 202   | 216   | 222   | 237   | 254   | 279   |                      |
| 6110SK     | $P_i$ [kW]        | 3.97  | 4.07  | 4.12  | 3.50  | 3.18  | 2.67  | 2.14  | 4.45  | 4.56  | 4.62  | 3.95  | 3.62  | 3.13  | 2.51  | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 91.8  | 113   | 153   | 162   | 176   | 197   | 198   | 86.7  | 107   | 144   | 154   | 169   | 195   | 195   |                      |
|            | $T_{out}$ [kgf·m] | 9.36  | 11.5  | 15.6  | 16.5  | 18.0  | 20.1  | 20.2  | 8.83  | 10.9  | 14.7  | 15.7  | 17.2  | 19.9  | 19.9  |                      |
|            | Pro[N]            | 2840  | 2950  | 3060  | 3340  | 3550  | 3900  | 4380  | 2680  | 2790  | 2890  | 3140  | 3340  | 3630  | 4070  |                      |
|            | Pro[kgf]          | 289   | 301   | 312   | 340   | 362   | 398   | 446   | 273   | 284   | 295   | 320   | 340   | 370   | 415   |                      |
| 6115SK     | $P_i$ [kW]        | 4.96  | 5.08  | 5.15  | 4.37  | 3.97  | 3.34  | 2.68  | 5.57  | 5.70  | 5.78  | 4.94  | 4.53  | 3.91  | 3.14  | CHH C-70<br>CVW C-81 |
|            | $T_{out}$ [N·m]   | 115   | 141   | 191   | 202   | 221   | 247   | 248   | 108   | 133   | 180   | 192   | 212   | 244   | 244   |                      |
|            | $T_{out}$ [kgf·m] | 11.7  | 14.4  | 19.4  | 20.6  | 22.5  | 25.2  | 25.3  | 11.0  | 13.6  | 18.4  | 19.6  | 21.6  | 24.8  | 24.9  |                      |
|            | Pro[N]            | 2630  | 2710  | 2780  | 3040  | 3220  | 3560  | 4010  | 2480  | 2560  | 2620  | 2850  | 3010  | 3290  | 3720  |                      |
|            | Pro[kgf]          | 268   | 276   | 283   | 310   | 328   | 363   | 409   | 253   | 261   | 267   | 291   | 307   | 335   | 379   |                      |
| Frame Size | Ratio[Z]          | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | 2.5   | 3     | 4     | 5     | 6     | 8     | 10    | Dim. Page            |
|            | $n_2$ [r/min]     | 392   | 327   | 245   | 196   | 163   | 123   | 98.0  | 466   | 388   | 291   | 233   | 194   | 146   | 117   |                      |
|            | $n_1$ [r/min]     | 980   |       |       |       |       |       |       | 1165  |       |       |       |       |       |       |                      |

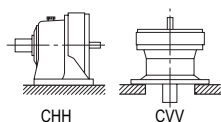
Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000SK Series Reducer



Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

|                               |                                                  |             |                                 |
|-------------------------------|--------------------------------------------------|-------------|---------------------------------|
| $n_1$ : Input Speed [r/min]   | $T_{out}$ : Allowable output torque [N·m, kgf·m] | Input Speed | $n_1 = \frac{1450}{1750}$ r/min |
| $n_2$ : Output Speed [r/min]  | Pro: Allowable output shaft radial load [N, kgf] |             |                                 |
| P: Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |             |                                 |

| Frame Size | n <sub>1</sub> [r/min]   | 1450 |      |       |       |       |       |       | 1750 |      |       |       |       |       |       | Dim. Page |
|------------|--------------------------|------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-----------|
|            | n <sub>2</sub> [r/min]   | 580  | 483  | 363   | 290   | 242   | 181   | 145   | 700  | 583  | 438   | 350   | 292   | 219   | 175   |           |
|            | Ratio[Z]                 | 2.5  | 3    | 4     | 5     | 6     | 8     | 10    | 2.5  | 3    | 4     | 5     | 6     | 8     | 10    |           |
| 6070SK     | P <sub>i</sub> [kW]      | 1.11 | 1.06 | 0.935 | 0.886 | 0.784 | 0.589 | 0.454 | 1.11 | 1.06 | 0.935 | 0.886 | 0.784 | 0.589 | 0.454 | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 17.4 | 19.9 | 23.4  | 27.7  | 29.4  | 29.5  | 28.4  | 14.4 | 16.5 | 19.4  | 23.0  | 24.4  | 24.4  | 23.5  |           |
|            | T <sub>out</sub> [kgf·m] | 1.77 | 2.03 | 2.39  | 2.83  | 3.00  | 3.01  | 2.89  | 1.47 | 1.68 | 1.98  | 2.34  | 2.49  | 2.49  | 2.40  | CVV C-81  |
|            | Pro[N]                   | 1070 | 1110 | 1210  | 1320  | 1390  | 1570  | 1730  | 1020 | 1060 | 1170  | 1280  | 1340  | 1510  | 1650  |           |
|            | Pro[kgf]                 | 109  | 113  | 123   | 135   | 142   | 160   | 176   | 104  | 108  | 119   | 130   | 137   | 154   | 168   |           |
| 6075SK     | P <sub>i</sub> [kW]      | 1.39 | 1.32 | 1.17  | 1.11  | 0.980 | 0.736 | 0.567 | 1.39 | 1.32 | 1.17  | 1.11  | 0.980 | 0.736 | 0.567 | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 21.7 | 24.9 | 29.3  | 34.7  | 36.8  | 36.9  | 35.5  | 18.0 | 20.6 | 24.3  | 28.7  | 30.5  | 30.5  | 29.4  |           |
|            | T <sub>out</sub> [kgf·m] | 2.21 | 2.53 | 2.98  | 3.53  | 3.75  | 3.76  | 3.62  | 1.83 | 2.10 | 2.47  | 2.93  | 3.11  | 3.11  | 3.00  | CVV C-81  |
|            | Pro[N]                   | 1020 | 1060 | 1150  | 1260  | 1320  | 1500  | 1660  | 980  | 1020 | 1110  | 1220  | 1290  | 1450  | 1590  |           |
|            | Pro[kgf]                 | 104  | 108  | 117   | 128   | 135   | 153   | 169   | 100  | 104  | 113   | 124   | 131   | 148   | 162   |           |
| 6080SK     | P <sub>i</sub> [kW]      | 1.65 | 1.65 | 1.65  | 1.55  | 1.30  | 1.10  | 0.880 | 1.65 | 1.65 | 1.65  | 1.55  | 1.30  | 1.10  | 0.880 | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 25.8 | 30.9 | 41.2  | 48.5  | 48.6  | 54.8  | 55.1  | 21.3 | 25.6 | 34.2  | 40.2  | 40.3  | 45.4  | 45.6  |           |
|            | T <sub>out</sub> [kgf·m] | 2.62 | 3.15 | 4.20  | 4.94  | 4.96  | 5.59  | 5.61  | 2.18 | 2.61 | 3.48  | 4.10  | 4.11  | 4.63  | 4.65  | CVV C-81  |
|            | Pro[N]                   | 1130 | 1170 | 1240  | 1320  | 1410  | 1530  | 1700  | 1090 | 1130 | 1210  | 1290  | 1380  | 1490  | 1650  |           |
|            | Pro[kgf]                 | 115  | 119  | 126   | 135   | 144   | 156   | 173   | 111  | 115  | 123   | 131   | 141   | 152   | 168   |           |
| 6085SK     | P <sub>i</sub> [kW]      | 2.06 | 2.06 | 2.06  | 1.82  | 1.62  | 1.37  | 1.10  | 2.06 | 2.06 | 2.06  | 1.82  | 1.62  | 1.37  | 1.10  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 32.2 | 38.7 | 51.6  | 56.9  | 60.8  | 68.6  | 68.8  | 26.7 | 32.0 | 42.7  | 47.2  | 50.4  | 56.8  | 57.0  |           |
|            | T <sub>out</sub> [kgf·m] | 3.28 | 3.94 | 5.26  | 5.80  | 6.20  | 6.99  | 7.02  | 2.72 | 3.27 | 4.35  | 4.81  | 5.14  | 5.79  | 5.81  | CVV C-81  |
|            | Pro[N]                   | 1060 | 1100 | 1150  | 1250  | 1300  | 1410  | 1590  | 1030 | 1070 | 1130  | 1230  | 1290  | 1390  | 1550  |           |
|            | Pro[kgf]                 | 108  | 112  | 117   | 127   | 133   | 144   | 162   | 105  | 109  | 115   | 125   | 131   | 142   | 158   |           |
| 6090SK     | P <sub>i</sub> [kW]      | 2.40 | 2.34 | 2.34  | 2.24  | 1.91  | 1.50  | 1.40  | 2.40 | 2.34 | 2.34  | 2.24  | 1.91  | 1.50  | 1.40  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 37.5 | 43.9 | 58.6  | 70.1  | 71.7  | 75.1  | 87.6  | 31.1 | 36.4 | 48.5  | 58.1  | 59.4  | 62.2  | 72.6  |           |
|            | T <sub>out</sub> [kgf·m] | 3.83 | 4.48 | 5.97  | 7.14  | 7.31  | 7.65  | 8.93  | 3.17 | 3.71 | 4.95  | 5.92  | 6.06  | 6.34  | 7.40  | CVV C-81  |
|            | Pro[N]                   | 2010 | 2080 | 2260  | 2380  | 2510  | 2760  | 3010  | 1930 | 2000 | 2190  | 2320  | 2420  | 2680  | 2910  |           |
|            | Pro[kgf]                 | 205  | 212  | 230   | 243   | 256   | 281   | 307   | 197  | 204  | 223   | 236   | 247   | 273   | 297   |           |
| 6095SK     | P <sub>i</sub> [kW]      | 2.71 | 2.64 | 2.64  | 2.64  | 2.27  | 1.77  | 1.77  | 2.71 | 2.64 | 2.64  | 2.64  | 2.27  | 1.77  | 1.77  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 42.4 | 49.5 | 66.0  | 82.5  | 85.3  | 88.5  | 111   | 35.1 | 41.0 | 54.7  | 68.3  | 70.7  | 73.4  | 92    |           |
|            | T <sub>out</sub> [kgf·m] | 4.32 | 5.04 | 6.72  | 8.41  | 8.70  | 9.02  | 11.3  | 3.58 | 4.18 | 5.57  | 6.96  | 7.21  | 7.48  | 9.3   | CVV C-81  |
|            | Pro[N]                   | 1960 | 2020 | 2190  | 2270  | 2380  | 2620  | 2800  | 1890 | 1960 | 2130  | 2220  | 2320  | 2560  | 2740  |           |
|            | Pro[kgf]                 | 200  | 206  | 223   | 231   | 243   | 267   | 285   | 193  | 200  | 217   | 226   | 237   | 261   | 279   |           |
| 6100SK     | P <sub>i</sub> [kW]      | 3.19 | 3.30 | 3.22  | 3.15  | 2.67  | 2.12  | 1.98  | 3.19 | 3.30 | 3.22  | 3.15  | 2.67  | 2.12  | 1.98  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 49.9 | 61.9 | 80.6  | 98.6  | 100   | 106   | 124   | 41.3 | 51.3 | 66.8  | 81.7  | 83    | 88    | 103   |           |
|            | T <sub>out</sub> [kgf·m] | 5.09 | 6.31 | 8.22  | 10.0  | 10.2  | 10.8  | 12.6  | 4.21 | 5.23 | 6.81  | 8.3   | 8.5   | 9.0   | 10.5  | CVV C-81  |
|            | Pro[N]                   | 1880 | 1900 | 2040  | 2120  | 2250  | 2420  | 2680  | 1820 | 1850 | 2010  | 2090  | 2220  | 2400  | 2640  |           |
|            | Pro[kgf]                 | 192  | 194  | 208   | 216   | 229   | 247   | 273   | 186  | 189  | 205   | 213   | 226   | 245   | 269   |           |
| 6105SK     | P <sub>i</sub> [kW]      | 3.75 | 3.88 | 3.79  | 3.70  | 3.14  | 2.49  | 2.20  | 3.75 | 3.88 | 3.79  | 3.70  | 3.14  | 2.49  | 2.20  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 58.7 | 72.8 | 94.9  | 116   | 118   | 125   | 138   | 48.6 | 60.4 | 78.6  | 96    | 98    | 103   | 114   |           |
|            | T <sub>out</sub> [kgf·m] | 5.98 | 7.42 | 9.67  | 11.8  | 12.0  | 12.7  | 14.0  | 4.95 | 6.15 | 8.01  | 9.8   | 9.9   | 10.5  | 11.6  | CVV C-81  |
|            | Pro[N]                   | 1800 | 1800 | 1900  | 1960  | 2090  | 2230  | 2550  | 1750 | 1770 | 1890  | 1960  | 2080  | 2240  | 2530  |           |
|            | Pro[kgf]                 | 183  | 183  | 194   | 200   | 213   | 227   | 260   | 178  | 180  | 193   | 200   | 212   | 228   | 258   |           |
| 6110SK     | P <sub>i</sub> [kW]      | 5.15 | 5.28 | 5.35  | 4.61  | 4.22  | 3.70  | 3.06  | 5.15 | 5.28 | 5.35  | 4.61  | 4.22  | 3.70  | 3.06  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 80.6 | 99.1 | 134   | 144   | 158   | 185   | 191   | 66.8 | 82.1 | 111   | 120   | 131   | 153   | 159   |           |
|            | T <sub>out</sub> [kgf·m] | 8.21 | 10.1 | 13.6  | 14.7  | 16.1  | 18.9  | 19.5  | 6.80 | 8.4  | 11.3  | 12.2  | 13.4  | 15.6  | 16.2  | CVV C-81  |
|            | Pro[N]                   | 2480 | 2590 | 2690  | 2900  | 3090  | 3350  | 3710  | 2410 | 2520 | 2640  | 2840  | 3030  | 3290  | 3640  |           |
|            | Pro[kgf]                 | 253  | 264  | 274   | 296   | 315   | 341   | 378   | 246  | 257  | 269   | 290   | 309   | 335   | 371   |           |
| 6115SK     | P <sub>i</sub> [kW]      | 6.44 | 6.60 | 6.69  | 5.77  | 5.28  | 4.63  | 3.83  | 6.44 | 6.60 | 6.69  | 5.77  | 5.28  | 4.63  | 3.83  | CHH C-70  |
|            | T <sub>out</sub> [N·m]   | 101  | 124  | 167   | 180   | 198   | 232   | 239   | 83   | 103  | 139   | 150   | 164   | 192   | 198   |           |
|            | T <sub>out</sub> [kgf·m] | 10.3 | 12.6 | 17.1  | 18.4  | 20.2  | 23.6  | 24.4  | 8.5  | 10.5 | 14.1  | 15.2  | 16.7  | 19.6  | 20.2  | CVV C-81  |
|            | Pro[N]                   | 2310 | 2380 | 2430  | 2650  | 2800  | 3010  | 3360  | 2270 | 2340 | 2420  | 2630  | 2790  | 3010  | 3360  |           |
|            | Pro[kgf]                 | 235  | 243  | 248   | 270   | 285   | 307   | 343   | 231  | 239  | 247   | 268   | 284   | 307   | 342   |           |
| Frame Size | Ratio[Z]                 | 2.5  | 3    | 4     | 5     | 6     | 8     | 10    | 2.5  | 3    | 4     | 5     | 6     | 8     | 10    | Dim. Page |
|            | n <sub>2</sub> [r/min]   | 580  | 483  | 363   | 290   | 242   | 181   | 145   | 700  | 583  | 438   | 350   | 292   | 219   | 175   |           |
|            | n <sub>1</sub> [r/min]   | 1450 |      |       |       |       |       |       | 1750 |      |       |       |       |       |       |           |

Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

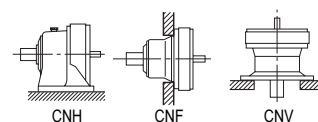
3. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

| Input Speed | $n_1 = 50$ r/min | $n_1$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |  |  |  |  |  |  |  |  |
|-------------|------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|--|--|--|--|--|--|
|             |                  | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  | Pro: Allowable output shaft radial load [N, kgf] |  |  |  |  |  |  |  |  |  |
|             |                  | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  | *Consult us for Pro of CNF and CHF type.         |  |  |  |  |  |  |  |  |  |
|             |                  |                                  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |

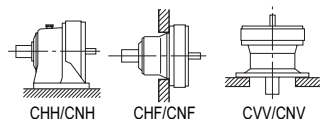


| Frame Size | $n_2$ [r/min]     | 8.33  | 6.25  | 4.55  | 3.85  | 3.33  | 2.94  | 2.38  | 2.00  | 1.72  | 1.43  | 1.16  | 0.980 | 0.847 | 0.704 | 0.575 | 0.420 | Dim. Page |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |           |
| 6060       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | -     | -     | -     | -     | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | -     | -     | -     | -     | -     | CNV C-82  |
|            | Pro [N]           | 969   | 1010  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |           |
|            | Pro [kgf]         | 98.8  | 103   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |           |
| 6065       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 25.0  | 27.1  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | -     | -     | -     | -     | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 2.55  | 2.76  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | -     | -     | -     | -     | -     | CNV C-82  |
|            | Pro [N]           | 958   | 974   | 1140  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |           |
|            | Pro [kgf]         | 97.7  | 99    | 116   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |           |
| 6070       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 29.7  | 43.7  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45    | 45    | -     | -     | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 3.03  | 4.45  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 5     | 5     | -     | -     | -     | CNV C-82  |
|            | Pro [N]           | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1750  | 1770  | -     | -     | -     |           |
|            | Pro [kgf]         | 180.0 | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 178   | 180   | -     | -     | -     |           |
| 6075       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 29.7  | 43.7  | 50.8  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 57    | 57    | -     | -     | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 3.03  | 4.45  | 5.18  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6     | 6     | -     | -     | -     | CNV C-82  |
|            | Pro [N]           | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1580  | 1580  | -     | -     | -     |           |
|            | Pro [kgf]         | 180.0 | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 161   | 161   | -     | -     | -     |           |
| 6080       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 78.5  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 77.2  | 80.0  | 80.0  | 80.0  | 80.0  | 80    | 80    | 80    | 80    | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 8.00  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 7.87  | 8.15  | 8.15  | 8.15  | 8.15  | 8     | 8     | 8     | 8     | -     | CNV C-82  |
|            | Pro [N]           | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2500  | 2560  | 2540  | 2480  | 2510  | 2460  | 2450  | -     |           |
|            | Pro [kgf]         | 261.0 | 261   | 261   | 261   | 261   | 261   | 261   | 261   | 255   | 261   | 259   | 253   | 256   | 251   | 250   | -     |           |
| 6085       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 78.5  | 99.2  | 100.0 | 100.0 | 100.0 | 100.0 | 77.2  | 100.0 | 100.0 | 100.0 | 100.0 | 100   | 100   | 100   | 100   | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 8.00  | 10.10 | 10.20 | 10.20 | 10.20 | 10.20 | 7.87  | 10.20 | 10.20 | 10.20 | 10.20 | 10    | 10    | 10    | 10    | -     | CNV C-82  |
|            | Pro [N]           | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2360  | 2300  | 2420  | 2340  | 2290  | 2310  | 2260  | 2260  | -     |           |
|            | Pro [kgf]         | 261.0 | 261   | 261   | 261   | 261   | 261   | 261   | 241   | 234   | 247   | 239   | 233   | 235   | 230   | 230   | -     |           |
| 6090       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 142.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 149   | 146   | 132   | 150   | 108   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 14.50 | 15.30 | 15.30 | 15.30 | 15.30 | 15.30 | 15.30 | 15.30 | 15.30 | 15.30 | 15.30 | 15    | 15    | 14    | 15    | 11    | CNV C-82  |
|            | Pro [N]           | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3280  | 3290  | 3300  | 3310  | 3280  | 3300  | 3310  | 3310  | 3310  |           |
|            | Pro [kgf]         | 340.0 | 340   | 340   | 340   | 340   | 340   | 340   | 334   | 335   | 336   | 337   | 334   | 336   | 337   | 337   | 337   |           |
| 6095       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 170.0 | 168.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 153   | 146   | 132   | 195   | 108   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 17.30 | 17.10 | 20.40 | 20.40 | 20.40 | 20.40 | 20.40 | 20.40 | 20.40 | 20.40 | 20.40 | 16    | 15    | 14    | 20    | 11    | CNV C-82  |
|            | Pro [N]           | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3180  | 3200  | 3200  | 3220  | 3280  | 3300  | 3310  | 3230  | 3310  |           |
|            | Pro [kgf]         | 340.0 | 340   | 340   | 340   | 340   | 340   | 340   | 324   | 326   | 326   | 328   | 334   | 336   | 337   | 329   | 337   |           |
| 6100       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 171.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250   | 250   | 250   | 250   | 250   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 17.40 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 26    | 26    | 26    | 26    | 26    | CNV C-82  |
|            | Pro [N]           | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5380  | 5400  | 5360  |           |
|            | Pro [kgf]         | 550.0 | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 548   | 550   | 546   |           |
| 6105       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 171.0 | 276.0 | 308.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 297   | 296   | 264   | 300   | 258   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 17.40 | 28.10 | 31.40 | 30.60 | 30.60 | 30.60 | 30.60 | 30.60 | 30.60 | 30.60 | 30.60 | 30    | 30    | 27    | 31    | 26    | CNV C-82  |
|            | Pro [N]           | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5310  | 5090  | 5370  | 4780  | 5350  |           |
|            | Pro [kgf]         | 550.0 | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 541   | 519   | 547   | 487   | 545   |           |
| 6110       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 193.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360   | 360   | 360   | 360   | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 19.70 | 36.70 | 36.70 | 36.70 | 36.70 | 36.70 | 36.70 | 36.70 | 36.70 | 36.70 | 36.70 | 37    | 37    | 37    | 37    | -     | CNV C-82  |
|            | Pro [N]           | 7610  | 7610  | 7610  | 7610  | 7610  | 7610  | 7610  | 7340  | 7200  | 7280  | 7590  | 7590  | 7610  | 7580  | 7600  | -     |           |
|            | Pro [kgf]         | 776.0 | 776   | 776   | 776   | 776   | 776   | 776   | 748   | 734   | 742   | 774   | 774   | 776   | 773   | 775   | -     |           |
| 6115       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 193.0 | 406.0 | 420.0 | 420.0 | 420.0 | 420.0 | 420.0 | 420.0 | 420.0 | 420.0 | 420.0 | 420   | 420   | 420   | 420   | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 19.70 | 41.40 | 42.80 | 42.80 | 42.80 | 42.80 | 42.80 | 42.80 | 42.80 | 42.80 | 42.80 | 43    | 43    | 43    | 43    | -     | CNV C-82  |
|            | Pro [N]           | 7610  | 7610  | 7610  | 7600  | 7610  | 7500  | 7460  | 7150  | 7010  | 7090  | 7370  | 7410  | 7430  | 7390  | 7410  | -     |           |
|            | Pro [kgf]         | 776.0 | 776   | 776   | 775   | 776   | 765   | 760   | 729   | 715   | 723   | 751   | 755   | 757   | 753   | 755   | -     |           |
| 6120       | $P_i$ [kW]        | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 366   | 525   | 525   | 525   | 525   | 520   | 522   | 525   | 520   | 525   | 525   | 525   | 525   | 525   | 525   | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 37.3  | 53.5  | 53.5  | 53.5  | 53.5  | 53.0  | 53.2  | 53.5  | 53.0  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | -     | CNV C-82  |
|            | Pro [N]           | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9780  | -     |           |
|            | Pro [kgf]         | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 997   | -     |           |
| Frame Size | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   | Dim. Page |
|            | $n_2$ [r/min]     | 8.33  | 6.25  | 4.55  | 3.85  | 3.33  | 2.94  | 2.38  | 2.00  | 1.72  | 1.43  | 1.16  | 0.980 | 0.847 | 0.704 | 0.575 | 0.420 |           |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~1

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
P: Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

Input Speed  $n_1 = 50$  r/min

| Frame Size | $n_2$ [r/min]<br>Ratio[Z] | 8.33  | 6.25  | 4.55  | 3.85  | 3.33  | 2.94  | 2.38  | 2.00  | 1.72  | 1.43  | 1.16  | 0.980 | 0.847 | 0.704 | 0.575 | 0.420 | Dim.<br>Page |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
|            |                           | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |              |
| 6125       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CNH C-71     |
|            | $T_{out}$ [N·m]           | 366   | 574   | 622   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 592   | 630   | -     | CNF C-76     |
|            | $T_{out}$ [kgf·m]         | 37.3  | 58.5  | 63.4  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 60.3  | 64.2  | -     | CNV C-82     |
|            | Pro [N]                   | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9560  | -     |              |
|            | Pro [kgf]                 | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 975   | -     |              |
| 6130       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 555   | 744   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 928   | 912   | 902   | 848   | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 56.6  | 75.8  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 94.6  | 93.0  | 91.9  | 86.4  | -     | CVV C-83     |
|            | Pro [N]                   | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | -     |              |
|            | Pro [kgf]                 | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | -     |              |
| 6135       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 607   | 764   | 940   | 940   | 940   | 940   | 940   | 900   | 940   | 940   | 940   | 967   | 1050  | 1040  | 979   | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 61.9  | 77.9  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 91.7  | 95.8  | 95.8  | 95.8  | 98.6  | 107   | 106   | 99.8  | -     | CVV C-83     |
|            | Pro [N]                   | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | -     |              |
|            | Pro [kgf]                 | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | -     |              |
| 6140       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 717   | 1150  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 73.1  | 117   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | -     | CVV C-83     |
|            | Pro [N]                   | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | -     |              |
|            | Pro [kgf]                 | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | -     |              |
| 6145       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 717   | 1150  | 1290  | 1370  | 1360  | 1370  | 1340  | 1370  | 1370  | 1370  | 1370  | 1370  | 1370  | 1320  | 1250  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 73.1  | 117   | 131   | 140   | 139   | 140   | 137   | 140   | 140   | 140   | 140   | 140   | 140   | 135   | 127   | -     | CVV C-83     |
|            | Pro [N]                   | 16000 | 16000 | 16000 | 15900 | 16000 | 16000 | 16000 | 16000 | 15800 | 16000 | 15700 | 15700 | 16000 | 16000 | 16000 | -     |              |
|            | Pro [kgf]                 | 1630  | 1630  | 1630  | 1620  | 1630  | 1630  | 1630  | 1630  | 1610  | 1630  | 1600  | 1600  | 1630  | 1630  | 1630  | -     |              |
| 6160       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 1320  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1740  | 1760  | 1760  | 1760  | 1760  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 135   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 177   | 179   | 179   | 179   | 179   | -     | CVV C-84     |
|            | Pro [N]                   | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | -     |              |
|            | Pro [kgf]                 | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | -     |              |
| 6165       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 1320  | 1870  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 135   | 191   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 209   | -     | CVV C-84     |
|            | Pro [N]                   | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 21800 | -     |              |
|            | Pro [kgf]                 | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2220  | -     |              |
| 6170       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 1860  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 190   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | -     | CVV C-84     |
|            | Pro [N]                   | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | -     |              |
|            | Pro [kgf]                 | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | -     |              |
| 6175       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | 1860  | 2600  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | 190   | 265   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | -     | CVV C-84     |
|            | Pro [N]                   | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | -     |              |
|            | Pro [kgf]                 | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | -     |              |
| 6180       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | -     | -     | 4060  | 4060  | 4060  | 4060  | 4050  | 4050  | 4050  | 4050  | 4060  | 4050  | 4050  | 4050  | 4060  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | -     | -     | 414   | 414   | 414   | 414   | 413   | 413   | 413   | 413   | 414   | 413   | 413   | 413   | 414   | -     | CVV C-84     |
|            | Pro [N]                   | -     | -     | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | -     |              |
|            | Pro [kgf]                 | -     | -     | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | -     |              |
| 6185       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | -     | -     | 4810  | 4900  | 4920  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 4510  | 5000  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | -     | -     | 490   | 499   | 502   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 460   | 510   | -     | CVV C-84     |
|            | Pro [N]                   | -     | -     | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41600 | 41700 | 41700 | -     |              |
|            | Pro [kgf]                 | -     | -     | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4240  | 4250  | 4250  | -     |              |
| 6190       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | -     | -     | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | -     | -     | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | -     | CVV C-84     |
|            | Pro [N]                   | -     | -     | 59000 | 58700 | 58900 | 59000 | 59000 | 59000 | 59000 | 59000 | 59000 | 58700 | 58600 | 58400 | 58900 | -     |              |
|            | Pro [kgf]                 | -     | -     | 6010  | 5980  | 6000  | 6010  | 6010  | 6010  | 6010  | 6010  | 6010  | 5980  | 5970  | 5950  | 6000  | -     |              |
| 6195       | $P_i$ [kW]                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | CHH C-72     |
|            | $T_{out}$ [N·m]           | -     | -     | 7580  | 7630  | 7910  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | -     | CHF C-77     |
|            | $T_{out}$ [kgf·m]         | -     | -     | 773   | 778   | 806   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | -     | CVV C-84     |
|            | Pro [N]                   | -     | -     | 59000 | 58200 | 58300 | 59000 | 59000 | 59000 | 59000 | 58600 | 59000 | 58200 | 58100 | 58000 | 58400 | -     |              |
|            | Pro [kgf]                 | -     | -     | 6010  | 5930  | 5940  | 6010  | 6010  | 6010  | 6010  | 5970  | 6010  | 5930  | 5920  | 5910  | 5950  | -     |              |
| Frame Size | Ratio[Z]                  | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   | Dim.<br>Page |
|            | $n_2$ [r/min]             | 8.33  | 6.25  | 4.55  | 3.85  | 3.33  | 2.94  | 2.38  | 2.00  | 1.72  | 1.43  | 1.16  | 0.980 | 0.847 | 0.704 | 0.575 | 0.420 |              |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables

### Ratio 6 - 119

#### REDUCERS

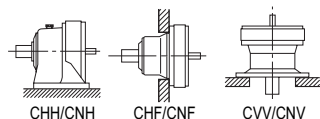
Sumitomo Drive Technologies

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

C-20 Reducers / Selection Tables

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

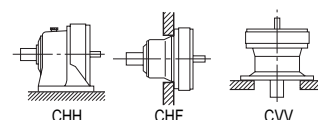
Input Speed  $n_1 = 580$  r/min

| Frame Size | $n_2$ [r/min]     | 96.7  | 72.5  | 52.7  | 44.6  | 38.7  | 34.1  | 27.6  | 23.2  | 20.0  | 16.6  | 13.5  | 11.4  | 9.83  | 8.17  | 6.67  | 4.87 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P$ [kW]          | 3.90  | 4.00  | 3.47  | 3.10  | 2.69  | 2.37  | 1.92  | 1.61  | 1.39  | 1.15  | 0.937 | 0.790 | 0.683 | 0.533 | 0.463 | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 366   | 501   | 596   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 592   | 630   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 37.3  | 51.1  | 60.8  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 60.3  | 64.2  | -    |                                  |
|            | Pro [N]           | 6880  | 7620  | 8670  | 8980  | 9710  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9560  | -    |                                  |
|            | Pro [kgf]         | 701   | 777   | 884   | 915   | 990   | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 975   | -    |                                  |
| 6130       | $P$ [kW]          | 5.91  | 5.94  | 4.53  | 3.84  | 3.32  | 2.93  | 2.37  | 1.99  | 1.72  | 1.42  | 1.16  | 1.16  | 0.988 | 0.813 | 0.623 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 555   | 744   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 928   | 912   | 902   | 848   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 56.6  | 75.8  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 94.6  | 93.0  | 91.9  | 86.4  | -    |                                  |
|            | Pro [N]           | 7930  | 8800  | 10200 | 10700 | 11000 | 11800 | 12700 | 13300 | 14000 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 808   | 897   | 1040  | 1090  | 1120  | 1200  | 1290  | 1360  | 1430  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | -    |                                  |
| 6135       | $P$ [kW]          | 6.47  | 6.11  | 5.46  | 4.62  | 4.01  | 3.53  | 2.86  | 2.30  | 2.07  | 1.72  | 1.40  | 1.21  | 1.14  | 0.938 | 0.719 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 607   | 764   | 940   | 940   | 940   | 940   | 940   | 900   | 940   | 940   | 940   | 967   | 1050  | 1040  | 979   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 61.9  | 77.9  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 91.7  | 95.8  | 95.8  | 95.8  | 98.6  | 107   | 106   | 99.8  | -    |                                  |
|            | Pro [N]           | 7870  | 8780  | 10100 | 10600 | 10900 | 11700 | 12600 | 13200 | 13900 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 802   | 895   | 1030  | 1080  | 1110  | 1190  | 1280  | 1350  | 1420  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | -    |                                  |
| 6140       | $P$ [kW]          | 7.64  | 7.80  | 7.12  | 6.02  | 5.22  | 4.61  | 3.73  | 3.13  | 2.70  | 2.24  | 1.82  | 1.54  | 1.33  | 1.10  | 0.900 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 717   | 976   | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 73.1  | 99.5  | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | -    |                                  |
|            | Pro [N]           | 12100 | 13400 | 15000 | 15500 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1230  | 1370  | 1530  | 1580  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P$ [kW]          | 7.64  | 7.80  | 7.51  | 6.74  | 5.79  | 5.15  | 4.07  | 3.50  | 3.02  | 2.50  | 2.04  | 1.72  | 1.48  | 1.19  | 0.917 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 717   | 976   | 1290  | 1370  | 1360  | 1370  | 1340  | 1370  | 1370  | 1370  | 1370  | 1370  | 1370  | 1320  | 1250  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 73.1  | 99.5  | 131   | 140   | 139   | 140   | 137   | 140   | 140   | 140   | 140   | 140   | 140   | 135   | 127   | -    |                                  |
|            | Pro [N]           | 12100 | 13400 | 15000 | 15400 | 16000 | 16000 | 16000 | 16000 | 15800 | 16000 | 15700 | 15700 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1230  | 1370  | 1530  | 1570  | 1630  | 1630  | 1630  | 1630  | 1610  | 1630  | 1600  | 1600  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P$ [kW]          | 14.1  | 14.0  | 10.2  | 8.63  | 7.48  | 6.60  | 5.34  | 4.49  | 3.87  | 3.21  | 2.58  | 2.20  | 1.90  | 1.58  | 1.29  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1320  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1740  | 1760  | 1760  | 1760  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 135   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 177   | 179   | 179   | 179   | 179   | -    |                                  |
|            | Pro [N]           | 13500 | 15000 | 17300 | 18200 | 19400 | 20100 | 21700 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | -    |                                  |
|            | Pro [kgf]         | 1380  | 1530  | 1760  | 1860  | 1980  | 2050  | 2210  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | -    |                                  |
| 6165       | $P$ [kW]          | 14.1  | 14.9  | 12.2  | 10.3  | 8.95  | 7.90  | 6.39  | 5.37  | 4.63  | 3.84  | 3.12  | 2.63  | 2.28  | 1.89  | 1.51  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1320  | 1870  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 135   | 191   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 209   | -    |                                  |
|            | Pro [N]           | 13500 | 14900 | 17000 | 18000 | 19200 | 19900 | 21500 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 21800 | -    |                                  |
|            | Pro [kgf]         | 1380  | 1520  | 1730  | 1830  | 1960  | 2030  | 2190  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2220  | -    |                                  |
| 6170       | $P$ [kW]          | 19.8  | 20.2  | 14.7  | 12.4  | 10.8  | 9.51  | 7.70  | 6.47  | 5.58  | 4.62  | 3.76  | 3.17  | 2.74  | 2.28  | 1.86  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1860  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 190   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | -    |                                  |
|            | Pro [N]           | 15100 | 16500 | 19300 | 20300 | 21400 | 22400 | 24400 | 25400 | 26900 | 28700 | 29500 | 29500 | 29500 | 29500 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1540  | 1680  | 1970  | 2070  | 2180  | 2280  | 2490  | 2590  | 2740  | 2930  | 3010  | 3010  | 3010  | 3010  | 3010  | -    |                                  |
| 6175       | $P$ [kW]          | 19.8  | 20.8  | 18.3  | 15.5  | 13.4  | 11.8  | 9.59  | 8.06  | 6.94  | 5.75  | 4.68  | 3.95  | 3.41  | 2.84  | 2.31  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1860  | 2600  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 190   | 265   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | -    |                                  |
|            | Pro [N]           | 15100 | 16500 | 18900 | 19900 | 21000 | 22000 | 24100 | 25100 | 26600 | 28400 | 29500 | 29500 | 29500 | 29500 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1540  | 1680  | 1930  | 2030  | 2140  | 2240  | 2460  | 2560  | 2710  | 2900  | 3010  | 3010  | 3010  | 3010  | 3010  | -    |                                  |
| 6180       | $P$ [kW]          | -     | -     | 23.6  | 20.0  | 17.3  | 15.3  | 12.3  | 10.4  | 8.93  | 7.40  | 6.03  | 5.08  | 4.39  | 3.65  | 2.98  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4060  | 4060  | 4060  | 4060  | 4050  | 4050  | 4050  | 4050  | 4060  | 4050  | 4050  | 4050  | 4060  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 414   | 414   | 414   | 414   | 413   | 413   | 413   | 413   | 414   | 413   | 413   | 413   | 414   | -    |                                  |
|            | Pro [N]           | -     | -     | 25600 | 26700 | 28300 | 30000 | 32600 | 34000 | 35700 | 38200 | 41200 | 41700 | 41700 | 41700 | 41700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2610  | 2720  | 2880  | 3060  | 3320  | 3470  | 3640  | 3890  | 4200  | 4250  | 4250  | 4250  | 4250  | -    |                                  |
| 6185       | $P$ [kW]          | -     | -     | 27.9  | 24.1  | 19.9  | 18.8  | 15.2  | 12.8  | 11.0  | 9.13  | 7.43  | 6.27  | 5.42  | 4.06  | 3.67  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4810  | 4900  | 4670  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 4510  | 5000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 490   | 499   | 476   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 460   | 510   | -    |                                  |
|            | Pro [N]           | -     | -     | 25200 | 26400 | 28000 | 29600 | 32200 | 33600 | 35300 | 37900 | 40800 | 41700 | 41600 | 41700 | 41700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2570  | 2690  | 2850  | 3020  | 3280  | 3430  | 3600  | 3860  | 4160  | 4250  | 4240  | 4250  | 4250  | -    |                                  |
| 6190       | $P$ [kW]          | -     | -     | 37.1  | 31.4  | 27.2  | 24.0  | 19.4  | 16.3  | 14.1  | 11.7  | 9.49  | 8.00  | 6.91  | 5.74  | 4.69  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | -    |                                  |
|            | Pro [N]           | -     | -     | 35500 | 37100 | 39100 | 41500 | 45100 | 47400 | 49900 | 52900 | 57200 | 58700 | 58600 | 58400 | 58900 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 3620  | 3780  | 3990  | 4230  | 4600  | 4830  | 5090  | 5390  | 5830  | 5980  | 5970  | 5950  | 6000  | -    |                                  |
| 6195       | $P$ [kW]          | -     | -     | 44.0  | 36.1  | 33.2  | 29.9  | 24.2  | 20.4  | 17.5  | 14.5  | 11.8  | 9.98  | 8.63  | 7.17  | 5.85  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 7570  | 7350  | 7800  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 772   | 749   | 795   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | -    |                                  |
|            | Pro [N]           | -     | -     | 35100 | 36700 | 38600 | 41000 | 44600 | 46900 | 49500 | 52500 | 56700 | 58200 | 58100 | 58000 | 58400 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 3580  | 3740  | 3930  | 4180  | 4550  | 4780  | 5050  | 5350  | 5780  | 5930  | 5920  | 5910  | 5950  | -    |                                  |

# Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

|             |                   |                                  |                                                  |
|-------------|-------------------|----------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 580$ r/min | $n_1$ : Input Speed [r/min]      | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                   | $n_2$ : Output Speed [r/min]     | Pro: Allowable output shaft radial load [N, kgf] |
|             |                   | $P$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |
|             |                   |                                  |                                                  |



| Frame Size | $n_2$ [r/min]     | 96.7 | 72.5 | 52.7   | 44.6 | 38.7   | 34.1 | 27.6   | 23.2 | 20.0   | 16.6 | 13.5   | 11.4 | 9.83   | 8.17 | 6.67   | 4.87 | Dim. Page                        |
|------------|-------------------|------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|----------------------------------|
|            | Ratio[Z]          | 6    | 8    | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  |                                  |
| 6205       | $P_1$ [kW]        | -    | -    | 46.8   | -    | 39.5   | -    | 28.2   | -    | 20.3   | -    | 13.8   | -    | 10.1   | -    | 6.43   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 8050   | -    | 9270   | -    | 9270   | -    | 9230   | -    | 9300   | -    | 9300   | -    | 8760   | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 821    | -    | 945    | -    | 945    | -    | 941    | -    | 948    | -    | 948    | -    | 893    | -    |                                  |
|            | Pro [N]           | -    | -    | 67300  | -    | 72500  | -    | 81600  | -    | 84100  | -    | 84100  | -    | 84100  | -    | 84100  | -    |                                  |
|            | Pro [kgf]         | -    | -    | 6860   | -    | 7390   | -    | 8320   | -    | 8570   | -    | 8570   | -    | 8570   | -    | 8570   | -    |                                  |
| 6215       | $P_1$ [kW]        | -    | -    | 64.0   | -    | 51.9   | -    | 38.1   | -    | 27.9   | -    | 18.8   | -    | 13.7   | -    | 8.28   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 11000  | -    | 12200  | -    | 12500  | -    | 12700  | -    | 12700  | -    | 12700  | -    | 11300  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 1120   | -    | 1240   | -    | 1270   | -    | 1290   | -    | 1290   | -    | 1290   | -    | 1150   | -    |                                  |
|            | Pro [N]           | -    | -    | 67300  | -    | 72600  | -    | 82500  | -    | 90200  | -    | 102000 | -    | 104000 | -    | 104000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | 6860   | -    | 7400   | -    | 8410   | -    | 9190   | -    | 10400  | -    | 10600  | -    | 10600  | -    |                                  |
| 6225       | $P_1$ [kW]        | -    | -    | 74.7   | -    | 61.7   | -    | 45.1   | -    | 33.2   | -    | 23.8   | -    | 17.2   | -    | 11.1   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 12900  | -    | 14500  | -    | 14800  | -    | 15000  | -    | 16000  | -    | 15900  | -    | 15100  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 1310   | -    | 1480   | -    | 1510   | -    | 1530   | -    | 1630   | -    | 1620   | -    | 1540   | -    |                                  |
|            | Pro [N]           | -    | -    | 71100  | -    | 77100  | -    | 86900  | -    | 95200  | -    | 108000 | -    | 118000 | -    | 133000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | 7250   | -    | 7860   | -    | 8860   | -    | 9700   | -    | 11000  | -    | 12000  | -    | 13600  | -    |                                  |
| 6235       | $P_1$ [kW]        | -    | -    | 99.9   | -    | 83.6   | -    | 57.5   | -    | 41.7   | -    | 30.5   | -    | 22.2   | -    | 12.6   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 17200  | -    | 19600  | -    | 18900  | -    | 18900  | -    | 20500  | -    | 20500  | -    | 17200  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 1750   | -    | 2000   | -    | 1930   | -    | 1930   | -    | 2090   | -    | 2090   | -    | 1750   | -    |                                  |
|            | Pro [N]           | -    | -    | 88800  | -    | 95300  | -    | 108000 | -    | 119000 | -    | 133000 | -    | 146000 | -    | 166000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | 9050   | -    | 9710   | -    | 11000  | -    | 12100  | -    | 13600  | -    | 14900  | -    | 16900  | -    |                                  |
| 6245       | $P_1$ [kW]        | -    | -    | 117    | -    | 112    | -    | 78.5   | -    | 56.9   | -    | 38.4   | -    | 28.0   | -    | 16.6   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 20200  | -    | 26200  | -    | 25800  | -    | 25800  | -    | 25800  | -    | 25800  | -    | 22600  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 2060   | -    | 2670   | -    | 2630   | -    | 2630   | -    | 2630   | -    | 2630   | -    | 2300   | -    |                                  |
|            | Pro [N]           | -    | -    | 98600  | -    | 106000 | -    | 119000 | -    | 131000 | -    | 149000 | -    | 163000 | -    | 185000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | 10100  | -    | 10800  | -    | 12100  | -    | 13400  | -    | 15200  | -    | 16600  | -    | 18900  | -    |                                  |
| 6255       | $P_1$ [kW]        | -    | -    | 151    | -    | 133    | -    | 94.4   | -    | 71.6   | -    | 51.3   | -    | 37.4   | -    | 22.8   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 25900  | -    | 31200  | -    | 31000  | -    | 32500  | -    | 34500  | -    | 34500  | -    | 31000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 2640   | -    | 3180   | -    | 3160   | -    | 3310   | -    | 3520   | -    | 3520   | -    | 3160   | -    |                                  |
|            | Pro [N]           | -    | -    | 121000 | -    | 130000 | -    | 146000 | -    | 161000 | -    | 182000 | -    | 200000 | -    | 226000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | 12300  | -    | 13300  | -    | 14900  | -    | 16400  | -    | 18600  | -    | 20400  | -    | 23000  | -    |                                  |
| 6265       | $P_1$ [kW]        | -    | -    | 175    | -    | 175    | -    | 140    | -    | 101    | -    | 68.4   | -    | 49.8   | -    | 32.3   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | 30100  | -    | 41000  | -    | 46000  | -    | 46000  | -    | 46000  | -    | 46000  | -    | 44000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | 3070   | -    | 4180   | -    | 4690   | -    | 4690   | -    | 4690   | -    | 4690   | -    | 4490   | -    |                                  |
|            | Pro [N]           | -    | -    | 148000 | -    | 158000 | -    | 177000 | -    | 197000 | -    | 222000 | -    | 243000 | -    | 274000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | 15100  | -    | 16100  | -    | 18000  | -    | 20100  | -    | 22600  | -    | 24800  | -    | 27900  | -    |                                  |
| 6275       | $P_1$ [kW]        | -    | -    | -      | -    | -      | -    | -      | -    | 150    | -    | 101    | -    | 73.9   | -    | 50.1   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -    | -    | -      | -    | -      | -    | -      | -    | 68200  | -    | 68200  | -    | 68200  | -    | 68200  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -    | -    | -      | -    | -      | -    | -      | -    | 6950   | -    | 6950   | -    | 6950   | -    | 6950   | -    |                                  |
|            | Pro [N]           | -    | -    | -      | -    | -      | -    | -      | -    | 228000 | -    | 248000 | -    | 248000 | -    | 245000 | -    |                                  |
|            | Pro [kgf]         | -    | -    | -      | -    | -      | -    | -      | -    | 23200  | -    | 25300  | -    | 25300  | -    | 25000  | -    |                                  |
| Frame Size | Ratio[Z]          | 6    | 8    | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  | Dim. Page                        |
|            | $n_2$ [r/min]     | 96.7 | 72.5 | 52.7   | 44.6 | 38.7   | 34.1 | 27.6   | 23.2 | 20.0   | 16.6 | 13.5   | 11.4 | 9.83   | 8.17 | 6.67   | 4.87 |                                  |

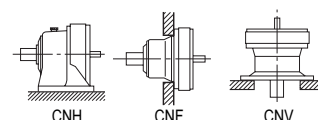
Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.  
2. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

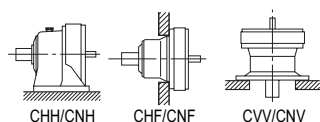
| Input Speed | $n_1 = 720$ r/min | $n_1$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |  |  |  |  |  |  |  |  |
|-------------|-------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|--|--|--|--|--|--|
|             |                   | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  | Pro: Allowable output shaft radial load [N, kgf] |  |  |  |  |  |  |  |  |  |
|             |                   | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  | *Consult us for Pro of CNF and CHF type.         |  |  |  |  |  |  |  |  |  |
|             |                   |                                  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |



| Frame Size | n <sub>2</sub> [r/min]   | 120   | 90.0  | 65.5  | 55.4  | 48.0  | 42.4  | 34.3  | 28.8  | 24.8  | 20.6  | 16.7  | 14.1  | 12.2  | 10.1  | 8.28  | 6.05  | Dim. Page                        |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|
|            | Ratio[Z]                 | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |                                  |
| 6060       | P <sub>i</sub> [kW]      | 0.200 | 0.200 | 0.173 | 0.147 | 0.127 | 0.112 | 0.091 | 0.076 | 0.066 | 0.054 | 0.044 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 15.1  | 20.2  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | -     | -     | -     | -     | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 1.54  | 2.06  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | -     | -     | -     | -     | -     |                                  |
|            | Pro[N]                   | 999   | 1050  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro[kgf]                 | 102   | 107   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6065       | P <sub>i</sub> [kW]      | 0.286 | 0.259 | 0.216 | 0.183 | 0.159 | 0.140 | 0.113 | 0.095 | 0.082 | 0.068 | 0.055 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 21.6  | 26.1  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | -     | -     | -     | -     | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 2.20  | 2.66  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | -     | -     | -     | -     | -     |                                  |
|            | Pro[N]                   | 987   | 985   | 1140  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro[kgf]                 | 101   | 100   | 116   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6070       | P <sub>i</sub> [kW]      | 0.347 | 0.325 | 0.325 | 0.275 | 0.238 | 0.210 | 0.170 | 0.143 | 0.123 | 0.102 | 0.083 | 0.070 | 0.061 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 26.2  | 32.8  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | -     | -     | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 2.67  | 3.34  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | -     | -     | -     |                                  |
|            | Pro[N]                   | 1710  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1750  | 1770  | -     | -     | -     |                                  |
|            | Pro[kgf]                 | 174   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 178   | 180   | -     | -     |                                  |
| 6075       | P <sub>i</sub> [kW]      | 0.376 | 0.325 | 0.344 | 0.322 | 0.317 | 0.280 | 0.227 | 0.190 | 0.164 | 0.136 | 0.111 | 0.089 | 0.077 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 28.4  | 32.8  | 47.7  | 52.7  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 56.9  | 57.4  | -     | -     | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 2.90  | 3.34  | 4.86  | 5.37  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 5.80  | 5.85  | -     | -     | -     |                                  |
|            | Pro[N]                   | 1700  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1580  | 1580  | -     | -     | -     |                                  |
|            | Pro[kgf]                 | 173   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 161   | 161   | -     | -     | -     |                                  |
| 6080       | P <sub>i</sub> [kW]      | 0.592 | 0.592 | 0.577 | 0.488 | 0.423 | 0.373 | 0.292 | 0.254 | 0.219 | 0.181 | 0.148 | 0.124 | 0.108 | 0.089 | 0.073 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 44.8  | 59.7  | 80.0  | 80.0  | 80.0  | 80.0  | 77.2  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 4.57  | 6.09  | 8.15  | 8.15  | 8.15  | 8.15  | 7.87  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | -     |                                  |
|            | Pro[N]                   | 2380  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2500  | 2560  | 2540  | 2480  | 2510  | 2460  | 2450  | -     |                                  |
|            | Pro[kgf]                 | 243   | 261   | 261   | 261   | 261   | 261   | 261   | 261   | 255   | 261   | 259   | 253   | 256   | 251   | 250   | -     |                                  |
| 6085       | P <sub>i</sub> [kW]      | 0.778 | 0.778 | 0.683 | 0.610 | 0.529 | 0.467 | 0.292 | 0.317 | 0.274 | 0.227 | 0.185 | 0.156 | 0.135 | 0.112 | 0.091 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 58.8  | 78.4  | 94.7  | 100   | 100   | 100   | 77.2  | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 5.99  | 7.99  | 9.65  | 10.2  | 10.2  | 10.2  | 7.87  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | -     |                                  |
|            | Pro[N]                   | 2350  | 2530  | 2560  | 2560  | 2560  | 2560  | 2560  | 2360  | 2300  | 2420  | 2340  | 2290  | 2310  | 2260  | 2260  | -     |                                  |
|            | Pro[kgf]                 | 240   | 258   | 261   | 261   | 261   | 261   | 261   | 241   | 234   | 247   | 239   | 233   | 235   | 230   | 230   | -     |                                  |
| 6090       | P <sub>i</sub> [kW]      | 1.15  | 1.15  | 1.08  | 0.916 | 0.794 | 0.700 | 0.567 | 0.476 | 0.410 | 0.340 | 0.277 | 0.231 | 0.196 | 0.148 | 0.137 | 0.072 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 86.7  | 116   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 149   | 146   | 132   | 150   | 108   |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 8.84  | 11.8  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.2  | 14.9  | 13.5  | 15.3  | 11.0  |                                  |
|            | Pro[N]                   | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3280  | 3290  | 3300  | 3310  | 3280  | 3300  | 3310  | 3310  | 3310  |                                  |
|            | Pro[kgf]                 | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 334   | 335   | 336   | 337   | 334   | 336   | 337   | 337   |                                  |
| 6095       | P <sub>i</sub> [kW]      | 1.52  | 1.52  | 1.24  | 1.19  | 1.06  | 0.934 | 0.756 | 0.588 | 0.547 | 0.453 | 0.369 | 0.239 | 0.196 | 0.148 | 0.154 | 0.072 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 115   | 153   | 172   | 196   | 200   | 200   | 200   | 185   | 200   | 200   | 200   | 153   | 146   | 132   | 169   | 108   |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 11.7  | 15.6  | 17.5  | 20.0  | 20.4  | 20.4  | 20.4  | 18.9  | 20.4  | 20.4  | 20.4  | 15.6  | 14.9  | 13.5  | 17.2  | 11.0  |                                  |
|            | Pro[N]                   | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3210  | 3200  | 3200  | 3220  | 3280  | 3300  | 3310  | 3280  | 3310  |                                  |
|            | Pro[kgf]                 | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 327   | 326   | 326   | 328   | 334   | 336   | 337   | 334   |                                  |
| 6100       | P <sub>i</sub> [kW]      | 2.26  | 2.20  | 1.80  | 1.53  | 1.32  | 1.17  | 0.945 | 0.794 | 0.684 | 0.567 | 0.461 | 0.389 | 0.336 | 0.279 | 0.228 | 0.167 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 171   | 222   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 17.4  | 22.6  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  |                                  |
|            | Pro[N]                   | 5080  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5380  | 5400  | 5360  |                                  |
|            | Pro[kgf]                 | 518   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 548   | 550   | 546   |                                  |
| 6105       | P <sub>i</sub> [kW]      | 2.26  | 2.20  | 2.22  | 1.83  | 1.59  | 1.40  | 1.13  | 0.952 | 0.821 | 0.680 | 0.554 | 0.462 | 0.398 | 0.295 | 0.274 | 0.172 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 171   | 222   | 308   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 297   | 296   | 264   | 300   | 258   |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 17.4  | 22.6  | 31.4  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.3  | 30.2  | 26.9  | 30.6  | 26.3  |                                  |
|            | Pro[N]                   | 5080  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5310  | 5090  | 5370  | 4780  | 5350  |                                  |
|            | Pro[kgf]                 | 518   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 541   | 519   | 547   | 487   | 545   |                                  |
| 6110       | P <sub>i</sub> [kW]      | 2.56  | 3.55  | 2.60  | 2.20  | 1.90  | 1.68  | 1.36  | 1.14  | 0.985 | 0.816 | 0.664 | 0.560 | 0.484 | 0.402 | 0.328 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 193   | 358   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 19.7  | 36.5  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | -     |                                  |
|            | Pro[N]                   | 5760  | 6280  | 7260  | 7550  | 7610  | 7610  | 7610  | 7340  | 7200  | 7280  | 7590  | 7590  | 7610  | 7580  | 7600  | -     |                                  |
|            | Pro[kgf]                 | 587   | 640   | 740   | 770   | 776   | 776   | 776   | 748   | 734   | 742   | 774   | 774   | 776   | 773   | 775   | -     |                                  |
| 6115       | P <sub>i</sub> [kW]      | 2.56  | 3.92  | 3.03  | 2.56  | 2.22  | 1.96  | 1.59  | 1.33  | 1.15  | 0.952 | 0.775 | 0.654 | 0.565 | 0.469 | 0.383 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 193   | 395   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 19.7  | 40.3  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | -     |                                  |
|            | Pro[N]                   | 5760  | 6230  | 7180  | 7480  | 7610  | 7500  | 7460  | 7150  | 7010  | 7090  | 7370  | 7410  | 7430  | 7390  | 7410  | -     |                                  |
|            | Pro[kgf]                 | 587   | 635   | 732   | 762   | 776   | 765   | 760   | 729   | 715   | 723   | 751   | 755   | 757   | 753   | 755   | -     |                                  |
| 6120       | P <sub>i</sub> [kW]      | 4.85  | 4.72  | 3.79  | 3.20  | 2.78  | 2.43  | 1.97  | 1.67  | 1.42  | 1.19  | 0.969 | 0.817 | 0.706 | 0.587 | 0.479 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | T <sub>OUT</sub> [N•m]   | 366   | 476   | 525   | 525   | 525   | 520   | 522   | 525   | 520   | 525   | 525   | 525   | 525   | 525   | 525   | -     |                                  |
|            | T <sub>OUT</sub> [kgf•m] | 37.3  | 48.5  | 53.5  | 53.5  | 53.5  | 53.0  | 53.2  | 53.5  | 53.0  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | -     |                                  |
|            | Pro[N]                   | 6380  | 7080  | 8100  | 8420  | 9090  | 9230  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9780  | -     |                                  |
|            | Pro[kgf]                 | 650   | 722   | 826   | 858   | 927   | 941   | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 997   | -     |                                  |
| Frame Size | Ratio[Z]                 | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   | Dim. Page                        |
|            | n <sub>2</sub> [r/min]   | 120   | 90.0  | 65.5  | 55.4  | 48.0  | 42.4  | 34.3  | 28.8  | 24.8  | 20.6  | 16.7  | 14.1  | 12.2  | 10.1  | 8.28  | 6.05  |                                  |

## Selection Tables 6000 Series Reducer

## Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

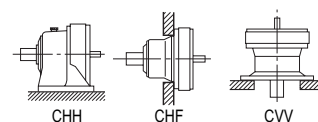
Input Speed  $n_1 = 720$  r/min

| Frame Size | $n_2$ [r/min]     | 120   | 90.0  | 65.5  | 55.4  | 48.0  | 42.4  | 34.3  | 28.8  | 24.8  | 20.6  | 16.7  | 14.1  | 12.2  | 10.1  | 8.28  | 6.05 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P$ [kW]          | 4.85  | 4.72  | 4.09  | 3.69  | 3.33  | 2.94  | 2.38  | 2.00  | 1.72  | 1.43  | 1.16  | 0.980 | 0.847 | 0.661 | 0.575 | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 366   | 476   | 567   | 605   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 592   | 630   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 37.3  | 48.5  | 57.8  | 61.7  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 60.3  | 64.2  | -    |                                  |
|            | Pro [N]           | 6380  | 7080  | 8050  | 8340  | 8990  | 9130  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9560  | -    |                                  |
|            | Pro [kgf]         | 650   | 722   | 821   | 850   | 916   | 931   | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 975   | -    |                                  |
| 6130       | $P$ [kW]          | 7.19  | 7.07  | 5.63  | 4.76  | 4.13  | 3.64  | 2.95  | 2.48  | 2.13  | 1.77  | 1.44  | 1.43  | 1.23  | 1.01  | 0.774 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 543   | 713   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 920   | 912   | 902   | 848   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 55.4  | 72.7  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 93.8  | 93.0  | 91.9  | 86.4  | -    |                                  |
|            | Pro [N]           | 7350  | 8170  | 9450  | 9920  | 10200 | 11000 | 11800 | 12300 | 13000 | 13800 | 14700 | 14700 | 14700 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 749   | 833   | 963   | 1010  | 1040  | 1120  | 1200  | 1250  | 1330  | 1410  | 1500  | 1500  | 1500  | 1500  | 1500  | -    |                                  |
| 6135       | $P$ [kW]          | 7.87  | 7.27  | 6.78  | 5.74  | 4.97  | 4.39  | 3.55  | 2.86  | 2.57  | 2.13  | 1.73  | 1.49  | 1.41  | 1.16  | 0.893 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 595   | 733   | 940   | 940   | 940   | 940   | 940   | 900   | 940   | 940   | 940   | 959   | 1050  | 1040  | 979   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 60.7  | 74.7  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 91.7  | 95.8  | 95.8  | 95.8  | 97.8  | 107   | 106   | 99.8  | -    |                                  |
|            | Pro [N]           | 7290  | 8150  | 9300  | 9790  | 10100 | 10900 | 11700 | 12200 | 12900 | 13600 | 14700 | 14700 | 14700 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 743   | 831   | 948   | 998   | 1030  | 1110  | 1190  | 1240  | 1310  | 1390  | 1500  | 1500  | 1500  | 1500  | 1500  | -    |                                  |
| 6140       | $P$ [kW]          | 9.48  | 9.20  | 8.84  | 7.48  | 6.48  | 5.72  | 4.63  | 3.89  | 3.35  | 2.78  | 2.26  | 1.91  | 1.65  | 1.37  | 1.12  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 717   | 928   | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 73.1  | 94.6  | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | -    |                                  |
|            | Pro [N]           | 11300 | 12600 | 14100 | 14500 | 15100 | 15900 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1150  | 1280  | 1440  | 1480  | 1540  | 1620  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P$ [kW]          | 9.48  | 9.20  | 9.32  | 8.36  | 7.18  | 6.40  | 5.06  | 4.35  | 3.75  | 3.11  | 2.53  | 2.13  | 1.84  | 1.48  | 1.14  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 717   | 928   | 1290  | 1370  | 1360  | 1370  | 1340  | 1370  | 1370  | 1370  | 1370  | 1370  | 1370  | 1320  | 1250  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 73.1  | 94.6  | 131   | 140   | 139   | 140   | 137   | 140   | 140   | 140   | 140   | 140   | 140   | 135   | 127   | -    |                                  |
|            | Pro [N]           | 11300 | 12600 | 14000 | 14400 | 15100 | 15800 | 16000 | 16000 | 15800 | 16000 | 15700 | 15700 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1150  | 1280  | 1430  | 1470  | 1540  | 1610  | 1630  | 1630  | 1610  | 1630  | 1600  | 1600  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P$ [kW]          | 17.5  | 17.4  | 12.7  | 10.7  | 9.29  | 8.19  | 6.63  | 5.57  | 4.80  | 3.98  | 3.20  | 2.73  | 2.36  | 1.96  | 1.60  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1320  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1740  | 1760  | 1760  | 1760  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 135   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 177   | 179   | 179   | 179   | 179   | -    |                                  |
|            | Pro [N]           | 12500 | 13800 | 16000 | 16900 | 18000 | 18600 | 20100 | 21200 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | -    |                                  |
|            | Pro [kgf]         | 1270  | 1410  | 1630  | 1720  | 1830  | 1900  | 2050  | 2160  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | -    |                                  |
| 6165       | $P$ [kW]          | 17.5  | 17.8  | 15.2  | 12.8  | 11.1  | 9.80  | 7.94  | 6.67  | 5.75  | 4.76  | 3.88  | 3.27  | 2.82  | 2.35  | 1.87  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1320  | 1790  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 135   | 182   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 209   | -    |                                  |
|            | Pro [N]           | 12500 | 13800 | 15800 | 16600 | 17700 | 18400 | 19900 | 21000 | 22000 | 22100 | 22100 | 22100 | 22100 | 22100 | 21800 | -    |                                  |
|            | Pro [kgf]         | 1270  | 1410  | 1610  | 1690  | 1800  | 1880  | 2030  | 2140  | 2240  | 2250  | 2250  | 2250  | 2250  | 2250  | 2220  | -    |                                  |
| 6170       | $P$ [kW]          | 24.6  | 25.1  | 18.3  | 15.4  | 13.4  | 11.8  | 9.56  | 8.03  | 6.92  | 5.74  | 4.67  | 3.94  | 3.40  | 2.83  | 2.31  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1860  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 190   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | -    |                                  |
|            | Pro [N]           | 13900 | 15200 | 17900 | 18800 | 19800 | 20700 | 22600 | 23600 | 25000 | 26600 | 28500 | 29500 | 29500 | 29500 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1420  | 1550  | 1820  | 1920  | 2020  | 2110  | 2300  | 2410  | 2550  | 2710  | 2910  | 3010  | 3010  | 3010  | 3010  | -    |                                  |
| 6175       | $P$ [kW]          | 24.6  | 25.8  | 22.7  | 19.2  | 16.7  | 14.7  | 11.9  | 10.00 | 8.62  | 7.14  | 5.81  | 4.90  | 4.24  | 3.52  | 2.87  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1860  | 2600  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 190   | 265   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | -    |                                  |
|            | Pro [N]           | 13900 | 15200 | 17500 | 18400 | 19400 | 20400 | 22300 | 23300 | 24600 | 26300 | 28200 | 29500 | 29500 | 29500 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1420  | 1550  | 1780  | 1880  | 1980  | 2080  | 2270  | 2380  | 2510  | 2680  | 2870  | 3010  | 3010  | 3010  | 3010  | -    |                                  |
| 6180       | $P$ [kW]          | -     | -     | 29.3  | 24.8  | 21.5  | 19.0  | 15.3  | 12.9  | 11.1  | 9.19  | 7.49  | 6.30  | 5.45  | 4.53  | 3.70  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4060  | 4060  | 4060  | 4060  | 4050  | 4050  | 4050  | 4050  | 4060  | 4050  | 4050  | 4050  | 4060  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 414   | 414   | 414   | 414   | 413   | 413   | 413   | 413   | 414   | 413   | 413   | 413   | 414   | -    |                                  |
|            | Pro [N]           | -     | -     | 23700 | 24800 | 26200 | 27800 | 30200 | 31500 | 33100 | 35500 | 38200 | 39700 | 41700 | 41700 | 41700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2420  | 2530  | 2670  | 2830  | 3080  | 3210  | 3370  | 3620  | 3890  | 4050  | 4250  | 4250  | 4250  | -    |                                  |
| 6185       | $P$ [kW]          | -     | -     | 34.7  | 29.9  | 23.5  | 22.4  | 18.9  | 15.9  | 13.7  | 11.3  | 9.23  | 7.78  | 6.73  | 5.05  | 4.56  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4810  | 4900  | 4440  | 4790  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 4510  | 5000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 490   | 499   | 453   | 488   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 460   | 510   | -    |                                  |
|            | Pro [N]           | -     | -     | 23300 | 24400 | 26000 | 27400 | 29800 | 31200 | 32700 | 35100 | 37800 | 39400 | 41300 | 41700 | 41700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2380  | 2490  | 2650  | 2790  | 3040  | 3180  | 3330  | 3580  | 3850  | 4020  | 4210  | 4250  | 4250  | -    |                                  |
| 6190       | $P$ [kW]          | -     | -     | 41.0  | 38.9  | 33.8  | 29.8  | 24.1  | 20.3  | 17.5  | 14.5  | 11.8  | 9.93  | 8.58  | 7.13  | 5.82  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 5680  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 579   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | -    |                                  |
|            | Pro [N]           | -     | -     | 33200 | 34300 | 36300 | 38500 | 41800 | 44000 | 46300 | 49100 | 53100 | 55500 | 58300 | 58400 | 58900 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 3380  | 3500  | 3700  | 3920  | 4260  | 4490  | 4720  | 5010  | 5410  | 5660  | 5940  | 5950  | 6000  | -    |                                  |
| 6195       | $P$ [kW]          | -     | -     | 48.1  | 42.6  | 39.2  | 37.2  | 30.1  | 25.3  | 21.8  | 18.0  | 14.7  | 12.4  | 10.7  | 8.90  | 7.26  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 6670  | 6980  | 7410  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 680   | 712   | 755   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | -    |                                  |
|            | Pro [N]           | -     | -     | 32800 | 34100 | 35800 | 37900 | 41400 | 43500 | 45900 | 48700 | 52600 | 55000 | 57900 | 58000 | 58400 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 3340  | 3480  | 3650  | 3860  | 4220  | 4430  | 4680  | 4960  | 5360  | 5610  | 5900  | 5910  | 5950  | -    |                                  |

# Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

|             |                   |                                  |                                                  |
|-------------|-------------------|----------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 720$ r/min | $n_1$ : Input Speed [r/min]      | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                   | $n_2$ : Output Speed [r/min]     | Pro: Allowable output shaft radial load [N, kgf] |
|             |                   | $P$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |
|             |                   |                                  |                                                  |



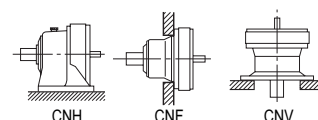
| Frame Size | $n_2$ [r/min]     | 120 | 90.0 | 65.5   | 55.4 | 48.0   | 42.4 | 34.3   | 28.8 | 24.8   | 20.6 | 16.7   | 14.1 | 12.2   | 10.1 | 8.28   | 6.05 | Dim. Page                        |
|------------|-------------------|-----|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|----------------------------------|
|            | Ratio[Z]          | 6   | 8    | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  |                                  |
| 6205       | $P_i$ [kW]        | -   | -    | 55.2   | -    | 49.0   | -    | 35.0   | -    | 25.3   | -    | 17.2   | -    | 12.5   | -    | 7.99   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 7650   | -    | 9270   | -    | 9270   | -    | 9230   | -    | 9300   | -    | 9300   | -    | 8760   | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 780    | -    | 945    | -    | 945    | -    | 941    | -    | 948    | -    | 948    | -    | 893    | -    |                                  |
|            | Pro [N]           | -   | -    | 63000  | -    | 67800  | -    | 76300  | -    | 83600  | -    | 84100  | -    | 84100  | -    | 84100  | -    |                                  |
|            | Pro [kgf]         | -   | -    | 6420   | -    | 6910   | -    | 7780   | -    | 8520   | -    | 8570   | -    | 8570   | -    | 8570   | -    |                                  |
| 6215       | $P_i$ [kW]        | -   | -    | 75.3   | -    | 64.4   | -    | 47.2   | -    | 34.6   | -    | 23.3   | -    | 17.0   | -    | 10.3   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 10400  | -    | 12200  | -    | 12500  | -    | 12700  | -    | 12700  | -    | 12700  | -    | 11300  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 1060   | -    | 1240   | -    | 1270   | -    | 1290   | -    | 1290   | -    | 1290   | -    | 1150   | -    |                                  |
|            | Pro [N]           | -   | -    | 63000  | -    | 67900  | -    | 77200  | -    | 84400  | -    | 95800  | -    | 104000 | -    | 104000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | 6420   | -    | 6920   | -    | 7870   | -    | 8600   | -    | 9770   | -    | 10600  | -    | 10600  | -    |                                  |
| 6225       | $P_i$ [kW]        | -   | -    | 88.1   | -    | 76.6   | -    | 55.9   | -    | 41.2   | -    | 29.5   | -    | 21.4   | -    | 13.7   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 12200  | -    | 14500  | -    | 14800  | -    | 15000  | -    | 16000  | -    | 15900  | -    | 15100  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 1240   | -    | 1480   | -    | 1510   | -    | 1530   | -    | 1630   | -    | 1620   | -    | 1540   | -    |                                  |
|            | Pro [N]           | -   | -    | 66600  | -    | 72100  | -    | 81200  | -    | 89000  | -    | 101000 | -    | 110000 | -    | 124000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | 6790   | -    | 7350   | -    | 8280   | -    | 9070   | -    | 10300  | -    | 11200  | -    | 12600  | -    |                                  |
| 6235       | $P_i$ [kW]        | -   | -    | 113    | -    | 104    | -    | 71.4   | -    | 51.7   | -    | 37.6   | -    | 27.3   | -    | 15.7   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 15700  | -    | 19600  | -    | 18900  | -    | 18900  | -    | 20400  | -    | 20300  | -    | 17200  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 1600   | -    | 2000   | -    | 1930   | -    | 1930   | -    | 2080   | -    | 2070   | -    | 1750   | -    |                                  |
|            | Pro [N]           | -   | -    | 83400  | -    | 89000  | -    | 101000 | -    | 111000 | -    | 125000 | -    | 137000 | -    | 155000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | 8500   | -    | 9070   | -    | 10300  | -    | 11300  | -    | 12700  | -    | 14000  | -    | 15800  | -    |                                  |
| 6245       | $P_i$ [kW]        | -   | -    | 132    | -    | 132    | -    | 97.5   | -    | 70.6   | -    | 47.6   | -    | 34.7   | -    | 20.7   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 18300  | -    | 24900  | -    | 25800  | -    | 25800  | -    | 25800  | -    | 25800  | -    | 22600  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 1870   | -    | 2540   | -    | 2630   | -    | 2630   | -    | 2630   | -    | 2630   | -    | 2300   | -    |                                  |
|            | Pro [N]           | -   | -    | 92600  | -    | 98800  | -    | 112000 | -    | 123000 | -    | 139000 | -    | 152000 | -    | 173000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | 9440   | -    | 10100  | -    | 11400  | -    | 12500  | -    | 14200  | -    | 15500  | -    | 17600  | -    |                                  |
| 6255       | $P_i$ [kW]        | -   | -    | 151    | -    | 151    | -    | 117    | -    | 88.9   | -    | 61.5   | -    | 44.9   | -    | 28.3   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 20900  | -    | 28500  | -    | 31000  | -    | 32500  | -    | 33300  | -    | 33400  | -    | 31000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 2130   | -    | 2910   | -    | 3160   | -    | 3310   | -    | 3390   | -    | 3400   | -    | 3160   | -    |                                  |
|            | Pro [N]           | -   | -    | 114000 | -    | 122000 | -    | 136000 | -    | 151000 | -    | 170000 | -    | 187000 | -    | 211000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | 11600  | -    | 12400  | -    | 13900  | -    | 15400  | -    | 17300  | -    | 19100  | -    | 21500  | -    |                                  |
| 6265       | $P_i$ [kW]        | -   | -    | 175    | -    | 175    | -    | 172    | -    | 126    | -    | 84.9   | -    | 61.9   | -    | 40.2   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | 24200  | -    | 33000  | -    | 45400  | -    | 46000  | -    | 46000  | -    | 46000  | -    | 44000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | 2470   | -    | 3360   | -    | 4630   | -    | 4690   | -    | 4690   | -    | 4690   | -    | 4490   | -    |                                  |
|            | Pro [N]           | -   | -    | 140000 | -    | 149000 | -    | 166000 | -    | 184000 | -    | 208000 | -    | 228000 | -    | 257000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | 14300  | -    | 15200  | -    | 16900  | -    | 18800  | -    | 21200  | -    | 23200  | -    | 26200  | -    |                                  |
| 6275       | $P_i$ [kW]        | -   | -    | -      | -    | -      | -    | -      | -    | 159    | -    | 126    | -    | 91.7   | -    | 53.4   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -    | -      | -    | -      | -    | -      | -    | 58100  | -    | 68200  | -    | 68200  | -    | 58600  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -    | -      | -    | -      | -    | -      | -    | 5920   | -    | 6950   | -    | 6950   | -    | 5970   | -    |                                  |
|            | Pro [N]           | -   | -    | -      | -    | -      | -    | -      | -    | 214000 | -    | 248000 | -    | 248000 | -    | 240000 | -    |                                  |
|            | Pro [kgf]         | -   | -    | -      | -    | -      | -    | -      | -    | 21800  | -    | 25300  | -    | 25300  | -    | 24500  | -    |                                  |
| Frame Size | Ratio[Z]          | 6   | 8    | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  | Dim. Page                        |
|            | $n_2$ [r/min]     | 120 | 90.0 | 65.5   | 55.4 | 48.0   | 42.4 | 34.3   | 28.8 | 24.8   | 20.6 | 16.7   | 14.1 | 12.2   | 10.1 | 8.28   | 6.05 |                                  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.  
2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

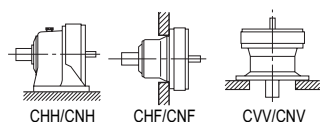
| Input Speed | $n_1 = 870$ r/min | $n_2$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  | Pro: Allowable output shaft radial load [N, kgf] |  |
|-------------|-------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--------------------------------------------------|--|
|             |                   | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                  |  |                                                  |  |
|             |                   | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                  |  |                                                  |  |
|             |                   |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                  |  | *Consult us for Pro of CNF and CHF type.         |  |



| Frame Size | $n_2$ [r/min]     | 145   | 109   | 79.1  | 66.9  | 58.0  | 51.2  | 41.4  | 34.8  | 30.0  | 24.9  | 20.2  | 17.1  | 14.7  | 12.3  | 10.0  | 7.31  | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |                                  |
| 6060       | $P_i$ [kW]        | 0.200 | 0.200 | 0.200 | 0.177 | 0.153 | 0.135 | 0.110 | 0.092 | 0.079 | 0.066 | 0.054 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 12.5  | 16.7  | 22.9  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.27  | 1.70  | 2.33  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | -     | -     | -     | -     | -     |                                  |
|            | Pro [N]           | 940   | 1070  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro [kgf]         | 95.8  | 109   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6065       | $P_i$ [kW]        | 0.286 | 0.286 | 0.262 | 0.221 | 0.192 | 0.169 | 0.137 | 0.115 | 0.099 | 0.082 | 0.067 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 17.9  | 23.9  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.82  | 2.44  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | -     | -     | -     | -     | -     |                                  |
|            | Pro [N]           | 931   | 1010  | 1140  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro [kgf]         | 94.9  | 103   | 116   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6070       | $P_i$ [kW]        | 0.347 | 0.347 | 0.347 | 0.332 | 0.288 | 0.254 | 0.205 | 0.173 | 0.149 | 0.123 | 0.100 | 0.085 | 0.073 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 21.7  | 28.9  | 39.8  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 2.21  | 2.95  | 4.06  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | -     | -     | -     |                                  |
|            | Pro [N]           | 1610  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1750  | 1770  | -     | -     | -     |                                  |
|            | Pro [kgf]         | 164   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 178   | 180   | -     | -     | -     |                                  |
| 6075       | $P_i$ [kW]        | 0.407 | 0.361 | 0.397 | 0.372 | 0.369 | 0.338 | 0.274 | 0.224 | 0.198 | 0.164 | 0.134 | 0.107 | 0.092 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 25.5  | 30.1  | 45.6  | 50.4  | 57.7  | 60.0  | 60.0  | 58.4  | 60.0  | 60.0  | 60.0  | 56.9  | 56.7  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 2.60  | 3.07  | 4.65  | 5.14  | 5.88  | 6.12  | 6.12  | 5.95  | 6.12  | 6.12  | 6.12  | 5.80  | 5.78  | -     | -     | -     |                                  |
|            | Pro [N]           | 1600  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1580  | 1600  | -     | -     | -     |                                  |
|            | Pro [kgf]         | 163   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 161   | 163   | -     | -     | -     |                                  |
| 6080       | $P_i$ [kW]        | 0.592 | 0.592 | 0.592 | 0.590 | 0.511 | 0.451 | 0.353 | 0.307 | 0.265 | 0.219 | 0.178 | 0.150 | 0.130 | 0.108 | 0.088 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 37.1  | 49.4  | 67.9  | 80.0  | 80.0  | 80.0  | 77.2  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 3.78  | 5.04  | 6.92  | 8.15  | 8.15  | 8.15  | 7.87  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | -     |                                  |
|            | Pro [N]           | 2240  | 2420  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2500  | 2560  | 2540  | 2480  | 2510  | 2460  | 2450  | -     |                                  |
|            | Pro [kgf]         | 228   | 247   | 261   | 261   | 261   | 261   | 261   | 261   | 255   | 261   | 259   | 253   | 256   | 251   | 250   | -     |                                  |
| 6085       | $P_i$ [kW]        | 0.778 | 0.778 | 0.775 | 0.738 | 0.639 | 0.564 | 0.353 | 0.384 | 0.331 | 0.274 | 0.223 | 0.188 | 0.163 | 0.135 | 0.110 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 48.7  | 64.9  | 88.9  | 100   | 100   | 100   | 77.2  | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 4.96  | 6.62  | 9.06  | 10.2  | 10.2  | 10.2  | 7.87  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | -     |                                  |
|            | Pro [N]           | 2220  | 2390  | 2560  | 2560  | 2560  | 2560  | 2560  | 2360  | 2300  | 2420  | 2340  | 2290  | 2310  | 2260  | 2260  | -     |                                  |
|            | Pro [kgf]         | 226   | 244   | 261   | 261   | 261   | 261   | 261   | 241   | 234   | 247   | 239   | 233   | 235   | 230   | 230   | -     |                                  |
| 6090       | $P_i$ [kW]        | 1.15  | 1.15  | 1.15  | 1.11  | 0.959 | 0.846 | 0.685 | 0.575 | 0.496 | 0.411 | 0.335 | 0.280 | 0.237 | 0.179 | 0.165 | 0.087 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 71.7  | 95.6  | 131   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 149   | 146   | 132   | 150   | 108   |                                  |
|            | $T_{out}$ [kgf·m] | 7.31  | 9.75  | 13.4  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.2  | 14.9  | 13.5  | 15.3  | 11.0  |                                  |
|            | Pro [N]           | 3290  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3280  | 3290  | 3300  | 3310  | 3280  | 3300  | 3310  | 3310  | 3310  |                                  |
|            | Pro [kgf]         | 335   | 340   | 340   | 340   | 340   | 340   | 340   | 334   | 335   | 336   | 337   | 334   | 336   | 337   | 337   | 337   |                                  |
| 6095       | $P_i$ [kW]        | 1.52  | 1.52  | 1.43  | 1.38  | 1.28  | 1.13  | 0.913 | 0.680 | 0.637 | 0.548 | 0.430 | 0.288 | 0.237 | 0.179 | 0.178 | 0.087 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 94.8  | 126   | 164   | 187   | 200   | 200   | 200   | 177   | 193   | 200   | 193   | 153   | 146   | 132   | 162   | 108   |                                  |
|            | $T_{out}$ [kgf·m] | 9.66  | 12.8  | 16.7  | 19.1  | 20.4  | 20.4  | 20.4  | 18.0  | 19.7  | 20.4  | 19.7  | 15.6  | 14.9  | 13.5  | 16.5  | 11.0  |                                  |
|            | Pro [N]           | 3240  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3230  | 3210  | 3200  | 3230  | 3280  | 3300  | 3310  | 3290  | 3310  |                                  |
|            | Pro [kgf]         | 330   | 340   | 340   | 340   | 340   | 340   | 340   | 329   | 327   | 326   | 329   | 334   | 336   | 337   | 335   | 337   |                                  |
| 6100       | $P_i$ [kW]        | 2.35  | 2.35  | 2.18  | 1.84  | 1.60  | 1.41  | 1.14  | 0.959 | 0.827 | 0.685 | 0.558 | 0.470 | 0.406 | 0.338 | 0.276 | 0.201 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 147   | 196   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   |                                  |
|            | $T_{out}$ [kgf·m] | 15.0  | 20.0  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  |                                  |
|            | Pro [N]           | 4790  | 5320  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5380  | 5400  | 5360  |                                  |
|            | Pro [kgf]         | 488   | 542   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 548   | 550   | 546   |                                  |
| 6105       | $P_i$ [kW]        | 2.73  | 2.54  | 2.61  | 2.21  | 1.92  | 1.69  | 1.37  | 1.15  | 0.992 | 0.822 | 0.669 | 0.558 | 0.481 | 0.357 | 0.331 | 0.208 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 171   | 212   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 297   | 296   | 264   | 300   | 258   |                                  |
|            | $T_{out}$ [kgf·m] | 17.4  | 21.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.3  | 30.2  | 26.9  | 30.6  | 26.3  |                                  |
|            | Pro [N]           | 4760  | 5300  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5310  | 5090  | 5370  | 4780  | 5350  |                                  |
|            | Pro [kgf]         | 485   | 540   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 541   | 519   | 547   | 487   | 545   |                                  |
| 6110       | $P_i$ [kW]        | 3.09  | 3.55  | 3.14  | 2.66  | 2.30  | 2.03  | 1.64  | 1.38  | 1.19  | 0.986 | 0.803 | 0.677 | 0.585 | 0.486 | 0.397 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 193   | 296   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 19.7  | 30.2  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | -     |                                  |
|            | Pro [N]           | 5400  | 5940  | 6790  | 7060  | 7570  | 7610  | 7610  | 7340  | 7200  | 7280  | 7590  | 7590  | 7610  | 7580  | 7600  | -     |                                  |
|            | Pro [kgf]         | 550   | 606   | 692   | 720   | 772   | 776   | 776   | 748   | 734   | 742   | 774   | 774   | 776   | 773   | 775   | -     |                                  |
| 6115       | $P_i$ [kW]        | 3.09  | 3.92  | 3.66  | 3.10  | 2.69  | 2.37  | 1.92  | 1.61  | 1.39  | 1.15  | 0.937 | 0.790 | 0.683 | 0.567 | 0.463 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 193   | 327   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 19.7  | 33.3  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | -     |                                  |
|            | Pro [N]           | 5400  | 5910  | 6710  | 6990  | 7500  | 7500  | 7460  | 7150  | 7010  | 7090  | 7370  | 7410  | 7430  | 7390  | 7410  | -     |                                  |
|            | Pro [kgf]         | 550   | 602   | 684   | 713   | 765   | 765   | 760   | 729   | 715   | 723   | 751   | 755   | 757   | 753   | 755   | -     |                                  |
| 6120       | $P_i$ [kW]        | 5.07  | 5.07  | 4.58  | 3.87  | 3.36  | 2.93  | 2.38  | 2.01  | 1.72  | 1.44  | 1.17  | 0.987 | 0.853 | 0.709 | 0.579 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

Input Speed  $n_1 = 870$  r/min

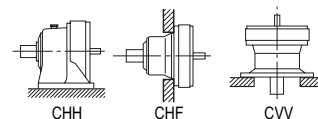
| Frame Size | $n_2$ [r/min]     | 145   | 109   | 79.1  | 66.9  | 58.0  | 51.2  | 41.4  | 34.8  | 30.0  | 24.9  | 20.2  | 17.1  | 14.7  | 12.3  | 10.0  | 7.31 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P_i$ [kW]        | 5.84  | 5.45  | 4.73  | 4.27  | 4.03  | 3.55  | 2.88  | 2.42  | 2.08  | 1.73  | 1.40  | 1.18  | 1.02  | 0.770 | 0.694 | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 366   | 455   | 542   | 579   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 570   | 630   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 37.3  | 46.4  | 55.2  | 59.0  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 58.1  | 64.2  | -    |                                  |
|            | Pro[N]            | 5960  | 6640  | 7550  | 7820  | 8400  | 8540  | 9440  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9560  | -    |                                  |
|            | Pro[kgf]          | 608   | 677   | 770   | 797   | 856   | 871   | 962   | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 975   | -    |                                  |
| 6130       | $P_i$ [kW]        | 8.31  | 8.17  | 6.80  | 5.75  | 4.99  | 4.40  | 3.56  | 2.99  | 2.58  | 2.14  | 1.74  | 1.65  | 1.43  | 1.19  | 0.935 | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 520   | 682   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 880   | 880   | 880   | 848   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 53.0  | 69.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 89.7  | 89.7  | 89.7  | 86.4  | -    |                                  |
|            | Pro[N]            | 6890  | 7660  | 8830  | 9270  | 9520  | 10300 | 11000 | 11500 | 12200 | 12900 | 13900 | 14500 | 14700 | 14700 | 14700 | -    |                                  |
|            | Pro[kgf]          | 702   | 781   | 900   | 945   | 970   | 1050  | 1120  | 1170  | 1240  | 1310  | 1420  | 1480  | 1500  | 1500  | 1500  | -    |                                  |
| 6135       | $P_i$ [kW]        | 9.10  | 8.40  | 8.19  | 6.92  | 6.01  | 5.30  | 4.29  | 3.45  | 3.11  | 2.58  | 2.10  | 1.72  | 1.65  | 1.37  | 1.08  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 569   | 701   | 940   | 938   | 940   | 940   | 940   | 900   | 940   | 940   | 940   | 917   | 1010  | 1010  | 979   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 58.0  | 71.5  | 95.8  | 95.6  | 95.8  | 95.8  | 95.8  | 91.7  | 95.8  | 95.8  | 95.8  | 93.5  | 103   | 103   | 99.8  | -    |                                  |
|            | Pro[N]            | 6830  | 7640  | 8680  | 9150  | 9400  | 10100 | 10900 | 11500 | 12100 | 12800 | 13800 | 14400 | 14700 | 14700 | 14700 | -    |                                  |
|            | Pro[kgf]          | 696   | 779   | 885   | 933   | 958   | 1030  | 1110  | 1170  | 1230  | 1300  | 1410  | 1470  | 1500  | 1500  | 1500  | -    |                                  |
| 6140       | $P_i$ [kW]        | 11.2  | 10.6  | 10.7  | 9.04  | 7.83  | 6.91  | 5.59  | 4.70  | 4.05  | 3.36  | 2.73  | 2.30  | 1.99  | 1.65  | 1.35  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 698   | 887   | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 71.2  | 90.4  | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | -    |                                  |
|            | Pro[N]            | 10700 | 11900 | 13300 | 13600 | 14300 | 15000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro[kgf]          | 1090  | 1210  | 1360  | 1390  | 1460  | 1530  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P_i$ [kW]        | 11.2  | 10.6  | 11.0  | 10.1  | 8.68  | 7.73  | 6.11  | 5.26  | 4.53  | 3.75  | 3.06  | 2.50  | 2.15  | 1.77  | 1.38  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 698   | 887   | 1260  | 1370  | 1360  | 1370  | 1340  | 1370  | 1370  | 1370  | 1370  | 1330  | 1320  | 1310  | 1250  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 71.2  | 90.4  | 128   | 140   | 139   | 140   | 137   | 140   | 140   | 140   | 140   | 136   | 135   | 134   | 127   | -    |                                  |
|            | Pro[N]            | 10700 | 11900 | 13300 | 13600 | 14200 | 14900 | 16000 | 16000 | 15800 | 16000 | 15700 | 15900 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro[kgf]          | 1090  | 1210  | 1360  | 1390  | 1450  | 1520  | 1630  | 1630  | 1610  | 1630  | 1600  | 1620  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P_i$ [kW]        | 20.3  | 19.7  | 15.3  | 12.9  | 11.2  | 9.90  | 8.01  | 6.73  | 5.80  | 4.81  | 3.87  | 3.30  | 2.85  | 2.37  | 1.93  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1270  | 1640  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1740  | 1760  | 1760  | 1760  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 129   | 167   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 177   | 179   | 179   | 179   | 179   | -    |                                  |
|            | Pro[N]            | 11700 | 13000 | 14900 | 15800 | 16800 | 17400 | 18800 | 19800 | 20800 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | -    |                                  |
|            | Pro[kgf]          | 1190  | 1330  | 1520  | 1610  | 1710  | 1770  | 1920  | 2020  | 2120  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | -    |                                  |
| 6165       | $P_i$ [kW]        | 21.2  | 20.6  | 18.3  | 15.5  | 13.4  | 11.8  | 9.59  | 8.06  | 6.94  | 5.75  | 4.68  | 3.95  | 3.41  | 2.84  | 2.26  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1320  | 1720  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 135   | 175   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 209   | -    |                                  |
|            | Pro[N]            | 11600 | 12900 | 14700 | 15500 | 16600 | 17200 | 18600 | 19600 | 20500 | 21900 | 22100 | 22100 | 22100 | 22100 | 21800 | -    |                                  |
|            | Pro[kgf]          | 1180  | 1310  | 1500  | 1580  | 1690  | 1750  | 1900  | 2000  | 2090  | 2230  | 2250  | 2250  | 2250  | 2250  | 2220  | -    |                                  |
| 6170       | $P_i$ [kW]        | 27.6  | 27.6  | 22.1  | 18.6  | 16.2  | 14.3  | 11.6  | 9.70  | 8.37  | 6.93  | 5.64  | 4.76  | 4.11  | 3.42  | 2.79  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1730  | 2300  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 176   | 234   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | -    |                                  |
|            | Pro[N]            | 13100 | 14400 | 16700 | 17500 | 18500 | 19400 | 21200 | 22100 | 23400 | 24900 | 26600 | 27900 | 29400 | 29500 | 29500 | -    |                                  |
|            | Pro[kgf]          | 1340  | 1470  | 1700  | 1780  | 1890  | 1980  | 2160  | 2250  | 2390  | 2540  | 2710  | 2840  | 3000  | 3010  | 3010  | -    |                                  |
| 6175       | $P_i$ [kW]        | 29.7  | 30.1  | 27.5  | 23.2  | 20.1  | 17.8  | 14.4  | 12.1  | 10.4  | 8.63  | 7.02  | 5.92  | 5.12  | 4.25  | 3.47  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1860  | 2510  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 190   | 256   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | -    |                                  |
|            | Pro[N]            | 13000 | 14200 | 16300 | 17100 | 18000 | 19000 | 20800 | 21800 | 23000 | 24600 | 26300 | 27600 | 29100 | 29500 | 29500 | -    |                                  |
|            | Pro[kgf]          | 1330  | 1450  | 1660  | 1740  | 1830  | 1940  | 2120  | 2220  | 2340  | 2510  | 2680  | 2810  | 2970  | 3010  | 3010  | -    |                                  |
| 6180       | $P_i$ [kW]        | -     | -     | 35.2  | 29.9  | 26.0  | 22.9  | 18.5  | 15.5  | 13.4  | 11.1  | 9.05  | 7.62  | 6.58  | 5.47  | 4.48  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4040  | 4060  | 4060  | 4060  | 4050  | 4050  | 4050  | 4050  | 4060  | 4050  | 4050  | 4050  | 4060  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 412   | 414   | 414   | 414   | 413   | 413   | 413   | 413   | 414   | 413   | 413   | 413   | 414   | -    |                                  |
|            | Pro[N]            | -     | -     | 22100 | 23100 | 24500 | 26000 | 28200 | 29500 | 31000 | 33200 | 35800 | 37200 | 39000 | 41600 | 41700 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 2250  | 2350  | 2500  | 2650  | 2870  | 3010  | 3160  | 3380  | 3650  | 3790  | 3980  | 4240  | 4250  | -    |                                  |
| 6185       | $P_i$ [kW]        | -     | -     | 39.0  | 36.2  | 27.2  | 25.8  | 22.8  | 19.2  | 16.5  | 13.7  | 11.2  | 9.40  | 8.13  | 6.10  | 5.51  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4470  | 4900  | 4250  | 4580  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 4510  | 5000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 456   | 499   | 433   | 467   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 460   | 510   | -    |                                  |
|            | Pro[N]            | -     | -     | 21900 | 22700 | 24400 | 25700 | 27900 | 29100 | 30600 | 32900 | 35400 | 36900 | 38700 | 41500 | 41700 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 2230  | 2310  | 2490  | 2620  | 2840  | 2970  | 3120  | 3350  | 3610  | 3760  | 3940  | 4230  | 4250  | -    |                                  |
| 6190       | $P_i$ [kW]        | -     | -     | 41.0  | 41.0  | 40.8  | 36.0  | 29.1  | 24.5  | 21.1  | 17.5  | 14.2  | 12.0  | 10.4  | 8.62  | 7.03  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4700  | 5560  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 479   | 567   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | -    |                                  |
|            | Pro[N]            | -     | -     | 31400 | 32400 | 33900 | 36000 | 39200 | 41200 | 43400 | 46000 | 49700 | 52000 | 54600 | 58100 | 58900 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 3200  | 3300  | 3460  | 3670  | 4000  | 4200  | 4420  | 4690  | 5070  | 5300  | 5570  | 5920  | 6000  | -    |                                  |
| 6195       | $P_i$ [kW]        | -     | -     | 48.1  | 48.1  | 45.3  | 44.9  | 36.3  | 30.5  | 26.3  | 21.8  | 17.8  | 15.0  | 12.9  | 10.8  | 8.77  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 5520  | 6520  | 7090  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 563   | 665   | 723   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | -    |                                  |
|            | Pro[N]            | -     | -     | 31100 | 32000 | 33600 | 35400 | 38700 | 40700 | 42900 | 45500 | 49200 | 51500 | 54200 | 57600 | 58400 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 3170  | 3260  | 3430  | 3610  | 3940  | 4150  | 4370  | 4640  | 5020  | 5250  | 5520  | 5870  | 5950  | -    |                                  |
| Frame Size | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  | Dim. Page                        |



# Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

|             |                   |                                  |                                                  |
|-------------|-------------------|----------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 870$ r/min | $n_1$ : Input Speed [r/min]      | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                   | $n_2$ : Output Speed [r/min]     | Pro: Allowable output shaft radial load [N, kgf] |
|             |                   | $P$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |
|             |                   |                                  |                                                  |



| Frame Size | $n_2$ [r/min]     | 145 | 109 | 79.1   | 66.9 | 58.0   | 51.2 | 41.4   | 34.8 | 30.0   | 24.9 | 20.2   | 17.1 | 14.7   | 12.3 | 10.0   | 7.31 | Dim. Page                        |
|------------|-------------------|-----|-----|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|----------------------------------|
|            | Ratio[Z]          | 6   | 8   | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  |                                  |
| 6205       | $P_1$ [kW]        | -   | -   | 59.7   | -    | 58.3   | -    | 42.4   | -    | 30.5   | -    | 20.7   | -    | 15.1   | -    | 9.65   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 6850   | -    | 9130   | -    | 9270   | -    | 9230   | -    | 9300   | -    | 9300   | -    | 8760   | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 698    | -    | 931    | -    | 945    | -    | 941    | -    | 948    | -    | 948    | -    | 893    | -    |                                  |
|            | Pro [N]           | -   | -   | 59700  | -    | 63900  | -    | 72000  | -    | 78800  | -    | 84100  | -    | 84100  | -    | 84100  | -    |                                  |
|            | Pro [kgf]         | -   | -   | 6090   | -    | 6510   | -    | 7340   | -    | 8030   | -    | 8570   | -    | 8570   | -    | 8570   | -    |                                  |
| 6215       | $P_1$ [kW]        | -   | -   | 75.3   | -    | 75.3   | -    | 57.1   | -    | 41.8   | -    | 28.2   | -    | 20.6   | -    | 12.4   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 8640   | -    | 11800  | -    | 12500  | -    | 12700  | -    | 12700  | -    | 12700  | -    | 11300  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 881    | -    | 1200   | -    | 1270   | -    | 1290   | -    | 1290   | -    | 1290   | -    | 1150   | -    |                                  |
|            | Pro [N]           | -   | -   | 59900  | -    | 64000  | -    | 72700  | -    | 79500  | -    | 90300  | -    | 98700  | -    | 104000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | 6110   | -    | 6520   | -    | 7410   | -    | 8100   | -    | 9200   | -    | 10100  | -    | 10600  | -    |                                  |
| 6225       | $P_1$ [kW]        | -   | -   | 99.5   | -    | 92.6   | -    | 67.6   | -    | 49.7   | -    | 35.7   | -    | 25.8   | -    | 16.6   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 11400  | -    | 14500  | -    | 14800  | -    | 15000  | -    | 16000  | -    | 15900  | -    | 15100  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1160   | -    | 1480   | -    | 1510   | -    | 1530   | -    | 1630   | -    | 1620   | -    | 1540   | -    |                                  |
|            | Pro [N]           | -   | -   | 63000  | -    | 67900  | -    | 76500  | -    | 83900  | -    | 95100  | -    | 104000 | -    | 117000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | 6420   | -    | 6920   | -    | 7800   | -    | 8550   | -    | 9690   | -    | 10600  | -    | 11900  | -    |                                  |
| 6235       | $P_1$ [kW]        | -   | -   | 113    | -    | 113    | -    | 86.3   | -    | 62.5   | -    | 43.4   | -    | 31.6   | -    | 18.9   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 13000  | -    | 17700  | -    | 18900  | -    | 18900  | -    | 19500  | -    | 19400  | -    | 17200  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1330   | -    | 1800   | -    | 1930   | -    | 1930   | -    | 1990   | -    | 1980   | -    | 1750   | -    |                                  |
|            | Pro [N]           | -   | -   | 79200  | -    | 84300  | -    | 95400  | -    | 105000 | -    | 118000 | -    | 129000 | -    | 146000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | 8070   | -    | 8590   | -    | 9720   | -    | 10700  | -    | 12000  | -    | 13100  | -    | 14900  | -    |                                  |
| 6245       | $P_1$ [kW]        | -   | -   | 132    | -    | 132    | -    | 118    | -    | 85.3   | -    | 57.5   | -    | 41.9   | -    | 25.0   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 15100  | -    | 20600  | -    | 25800  | -    | 25800  | -    | 25800  | -    | 25800  | -    | 22600  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1540   | -    | 2100   | -    | 2630   | -    | 2630   | -    | 2630   | -    | 2630   | -    | 2300   | -    |                                  |
|            | Pro [N]           | -   | -   | 88000  | -    | 94000  | -    | 105000 | -    | 116000 | -    | 131000 | -    | 144000 | -    | 163000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | 8970   | -    | 9580   | -    | 10700  | -    | 11800  | -    | 13400  | -    | 14700  | -    | 16600  | -    |                                  |
| 6255       | $P_1$ [kW]        | -   | -   | 151    | -    | 151    | -    | 142    | -    | 107    | -    | 71.1   | -    | 51.9   | -    | 34.2   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 17300  | -    | 23600  | -    | 31000  | -    | 32500  | -    | 31900  | -    | 31900  | -    | 31000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1760   | -    | 2410   | -    | 3160   | -    | 3310   | -    | 3250   | -    | 3250   | -    | 3160   | -    |                                  |
|            | Pro [N]           | -   | -   | 108000 | -    | 116000 | -    | 128000 | -    | 142000 | -    | 161000 | -    | 176000 | -    | 199000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | 11000  | -    | 11800  | -    | 13000  | -    | 14500  | -    | 16400  | -    | 17900  | -    | 20300  | -    |                                  |
| 6265       | $P_1$ [kW]        | -   | -   | 175    | -    | 175    | -    | 172    | -    | 152    | -    | 103    | -    | 74.8   | -    | 48.5   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 20100  | -    | 27300  | -    | 37600  | -    | 46000  | -    | 46000  | -    | 46000  | -    | 44000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 2050   | -    | 2780   | -    | 3830   | -    | 4690   | -    | 4690   | -    | 4690   | -    | 4490   | -    |                                  |
|            | Pro [N]           | -   | -   | 132000 | -    | 141000 | -    | 158000 | -    | 174000 | -    | 196000 | -    | 215000 | -    | 242000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | 13500  | -    | 14400  | -    | 16100  | -    | 17700  | -    | 20000  | -    | 21900  | -    | 24700  | -    |                                  |
| 6275       | $P_1$ [kW]        | -   | -   | -      | -    | -      | -    | -      | -    | 159    | -    | 151    | -    | 111    | -    | 53.4   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -      | -    | -      | -    | -      | -    | 48100  | -    | 67600  | -    | 68200  | -    | 48500  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -      | -    | -      | -    | -      | -    | 4900   | -    | 6890   | -    | 6950   | -    | 4940   | -    |                                  |
|            | Pro [N]           | -   | -   | -      | -    | -      | -    | -      | -    | 203000 | -    | 248000 | -    | 248000 | -    | 227000 | -    |                                  |
|            | Pro [kgf]         | -   | -   | -      | -    | -      | -    | -      | -    | 20700  | -    | 25300  | -    | 25300  | -    | 23100  | -    |                                  |
| Frame Size | Ratio[Z]          | 6   | 8   | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  | Dim. Page                        |
|            | $n_2$ [r/min]     | 145 | 109 | 79.1   | 66.9 | 58.0   | 51.2 | 41.4   | 34.8 | 30.0   | 24.9 | 20.2   | 17.1 | 14.7   | 12.3 | 10.0   | 7.31 |                                  |

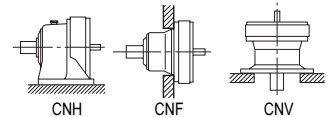
Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.  
2. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

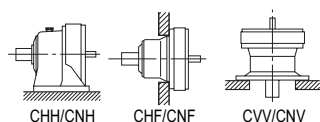
| Input Speed | $n_1 = 980$ r/min | $n_1$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |  |  |  |  |  |  |  |  |
|-------------|-------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|--|--|--|--|--|--|
|             |                   | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  | Pro: Allowable output shaft radial load [N, kgf] |  |  |  |  |  |  |  |  |  |
|             |                   | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  | *Consult us for Pro of CNF and CHF type.         |  |  |  |  |  |  |  |  |  |
|             |                   |                                  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |



| Frame Size | $n_2$ [r/min]     | 163   | 123   | 89.1  | 75.4  | 65.3  | 57.6  | 46.7  | 39.2  | 33.8  | 28.0  | 22.8  | 19.2  | 16.6  | 13.8  | 11.3   | 8.24  | Dim. Page |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-----------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87     | 119   |           |
| 6060       | $P_i$ [kW]        | 0.200 | 0.200 | 0.200 | 0.199 | 0.173 | 0.152 | 0.123 | 0.104 | 0.089 | 0.074 | 0.060 | -     | -     | -     | -      | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 11.1  | 14.8  | 20.4  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | -     | -     | -     | -      | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 1.13  | 1.51  | 2.08  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | -     | -     | -     | -      | -     | CNV C-82  |
|            | Pro[N]            | 905   | 1030  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -      | -     |           |
|            | Pro[kgf]          | 92.3  | 105   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -      | -     |           |
| 6065       | $P_i$ [kW]        | 0.286 | 0.286 | 0.286 | 0.249 | 0.216 | 0.191 | 0.154 | 0.130 | 0.112 | 0.093 | 0.075 | -     | -     | -     | -      | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 15.9  | 21.2  | 29.2  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | -     | -     | -     | -      | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 1.62  | 2.16  | 2.98  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | -     | -     | -     | -      | -     | CNV C-82  |
|            | Pro[N]            | 897   | 1020  | 1160  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -      | -     |           |
|            | Pro[kgf]          | 91.4  | 104.0 | 118   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -      | -     |           |
| 6070       | $P_i$ [kW]        | 0.347 | 0.347 | 0.347 | 0.347 | 0.324 | 0.286 | 0.231 | 0.194 | 0.168 | 0.139 | 0.113 | 0.095 | 0.082 | -     | -      | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 19.3  | 25.7  | 35.3  | 41.7  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | -     | -      | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 1.97  | 2.62  | 3.60  | 4.25  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | -     | -      | -     | CNV C-82  |
|            | Pro[N]            | 1550  | 1710  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1750  | 1770  | -     | -      | -     |           |
|            | Pro[kgf]          | 158   | 174   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 178   | 180   | -     | -      | -     |           |
| 6075       | $P_i$ [kW]        | 0.407 | 0.386 | 0.407 | 0.407 | 0.404 | 0.381 | 0.309 | 0.245 | 0.223 | 0.185 | 0.151 | 0.119 | 0.101 | -     | -      | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 22.6  | 28.6  | 41.4  | 49.0  | 56.1  | 60.0  | 60.0  | 56.8  | 60.0  | 60.0  | 60.0  | 56.4  | 55.1  | -     | -      | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 2.30  | 2.92  | 4.22  | 4.99  | 5.72  | 6.12  | 6.12  | 5.79  | 6.12  | 6.12  | 6.12  | 5.75  | 5.62  | -     | -      | -     | CNV C-82  |
|            | Pro[N]            | 1540  | 1700  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1590  | 1620  | -     | -      | -     |           |
|            | Pro[kgf]          | 157   | 173   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 162   | 165   | -     | -      | -     |           |
| 6080       | $P_i$ [kW]        | 0.592 | 0.592 | 0.592 | 0.592 | 0.576 | 0.508 | 0.397 | 0.340 | 0.298 | 0.247 | 0.201 | 0.169 | 0.146 | 0.120 | 0.090  | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 32.9  | 43.9  | 60.3  | 71.3  | 80.0  | 80.0  | 77.2  | 78.7  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 78.9  | 72.5   | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 3.35  | 4.48  | 6.15  | 7.27  | 8.15  | 8.15  | 7.87  | 8.02  | 8.15  | 8.15  | 8.15  | 8.15  | 8.15  | 8.04  | 7.39   | -     | CNV C-82  |
|            | Pro[N]            | 2160  | 2330  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2500  | 2560  | 2540  | 2480  | 2510  | 2470  | 2510   | -     |           |
|            | Pro[kgf]          | 220   | 238   | 261   | 261   | 261   | 261   | 261   | 261   | 255   | 261   | 259   | 253   | 256   | 252   | 256    | -     |           |
| 6085       | $P_i$ [kW]        | 0.778 | 0.778 | 0.778 | 0.778 | 0.720 | 0.635 | 0.397 | 0.432 | 0.372 | 0.309 | 0.251 | 0.212 | 0.183 | 0.152 | 0.121  | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 43.2  | 57.6  | 79.2  | 93.6  | 100   | 100   | 77.2  | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 97.6   | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 4.40  | 5.87  | 8.07  | 9.54  | 10.2  | 10.2  | 7.87  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 10.2  | 9.95   | -     | CNV C-82  |
|            | Pro[N]            | 2140  | 2310  | 2530  | 2560  | 2560  | 2560  | 2560  | 2360  | 2300  | 2420  | 2340  | 2290  | 2310  | 2260  | 2280   | -     |           |
|            | Pro[kgf]          | 218   | 235   | 258   | 261   | 261   | 261   | 261   | 241   | 234   | 247   | 239   | 233   | 235   | 230   | 232    | -     |           |
| 6090       | $P_i$ [kW]        | 1.15  | 1.15  | 1.15  | 1.15  | 1.08  | 0.953 | 0.758 | 0.648 | 0.559 | 0.463 | 0.377 | 0.315 | 0.267 | 0.201 | 0.186  | 0.098 | CNH C-71  |
|            | $T_{out}$ [N·m]   | 63.7  | 84.9  | 117   | 138   | 150   | 150   | 147   | 150   | 150   | 150   | 150   | 149   | 146   | 132   | 150    | 108   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 6.49  | 8.65  | 11.9  | 14.1  | 15.3  | 15.3  | 15.0  | 15.3  | 15.3  | 15.3  | 15.3  | 15.2  | 14.9  | 13.5  | 15.3   | 11.0  | CNV C-82  |
|            | Pro[N]            | 3180  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3280  | 3290  | 3300  | 3310  | 3280  | 3300  | 3310  | 3310   | 3310  |           |
|            | Pro[kgf]          | 324   | 340   | 340   | 340   | 340   | 340   | 340   | 334   | 335   | 336   | 337   | 334   | 336   | 337   | 337    | 337   |           |
| 6095       | $P_i$ [kW]        | 1.52  | 1.52  | 1.52  | 1.51  | 1.44  | 1.27  | 1.03  | 0.745 | 0.698 | 0.610 | 0.471 | 0.325 | 0.267 | 0.201 | 0.195  | 0.098 | CNH C-71  |
|            | $T_{out}$ [N·m]   | 84.2  | 112   | 154   | 182   | 200   | 200   | 200   | 172   | 187   | 198   | 187   | 153   | 146   | 132   | 157    | 108   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 8.58  | 11.4  | 15.7  | 18.6  | 20.4  | 20.4  | 20.4  | 17.5  | 19.1  | 20.2  | 19.1  | 15.6  | 14.9  | 13.5  | 16.0   | 11.0  | CNV C-82  |
|            | Pro[N]            | 3130  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3240  | 3220  | 3210  | 3240  | 3280  | 3300  | 3310  | 3300   | 3310  |           |
|            | Pro[kgf]          | 319   | 340   | 340   | 340   | 340   | 340   | 340   | 330   | 328   | 327   | 330   | 334   | 336   | 337   | 336    | 337   |           |
| 6100       | $P_i$ [kW]        | 2.35  | 2.35  | 2.35  | 2.08  | 1.80  | 1.59  | 1.29  | 1.08  | 0.931 | 0.772 | 0.628 | 0.530 | 0.458 | 0.380 | 0.310  | 0.210 | CNH C-71  |
|            | $T_{out}$ [N·m]   | 130   | 174   | 239   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250    | 231   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 13.3  | 17.7  | 24.4  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5   | 23.5  | CNV C-82  |
|            | Pro[N]            | 4620  | 5130  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5380  | 5400   | 5370  |           |
|            | Pro[kgf]          | 471   | 523   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 548   | 550    | 547   |           |
| 6105       | $P_i$ [kW]        | 3.02  | 2.78  | 2.86  | 2.49  | 2.16  | 1.91  | 1.54  | 1.30  | 1.12  | 0.926 | 0.754 | 0.629 | 0.530 | 0.402 | 0.372  | 0.235 | CNH C-71  |
|            | $T_{out}$ [N·m]   | 168   | 206   | 291   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 297   | 290   | 264   | 300    | 258   | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 17.1  | 21.0  | 29.7  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.3  | 29.6  | 26.9  | 30.6   | 26.3  | CNV C-82  |
|            | Pro[N]            | 4570  | 5090  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5310  | 5260  | 5370  | 4780   | 5350  |           |
|            | Pro[kgf]          | 466   | 519   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 541   | 536   | 547   | 487    | 545   |           |
| 6110       | $P_i$ [kW]        | 3.48  | 3.55  | 3.54  | 2.99  | 2.59  | 2.29  | 1.85  | 1.56  | 1.34  | 1.11  | 0.904 | 0.762 | 0.659 | 0.548 | 0.447  | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 193   | 263   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360    | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 19.7  | 26.8  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7   | -     | CNV C-82  |
|            | Pro[N]            | 5180  | 5740  | 6510  | 6770  | 7260  | 7370  | 7610  | 7340  | 7200  | 7280  | 7590  | 7590  | 7610  | 7580  | 7600   | -     |           |
|            | Pro[kgf]          | 528   | 585   | 664   | 690   | 740   | 751   | 776   | 748   | 734   | 742   | 774   | 774   | 776   | 773   | 775    | -     |           |
| 6115       | $P_i$ [kW]        | 3.48  | 3.92  | 3.92  | 3.49  | 3.02  | 2.67  | 2.16  | 1.81  | 1.56  | 1.30  | 1.06  | 0.890 | 0.769 | 0.639 | 0.521  | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 193   | 290   | 399   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420    | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 19.7  | 29.6  | 40.7  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8   | -     | CNV C-82  |
|            | Pro[N]            | 5180  | 5700  | 6460  | 6700  | 7190  | 7300  | 7460  | 7150  | 7010  | 7090  | 7370  | 7410  | 7430  | 7390  | 7410   | -     |           |
|            | Pro[kgf]          | 528   | 581   | 659   | 683   | 733   | 744   | 760   | 729   | 715   | 723   | 751   | 755   | 757   | 753   | 755    | -     |           |
| 6120       | $P_i$ [kW]        | 5.07  | 5.07  | 5.07  | 4.36  | 3.78  | 3.30  | 2.68  | 2.27  | 1.94  | 1.62  | 1.32  | 1.11  | 0.961 | 0.799 | 0.652  | -     | CNH C-71  |
|            | $T_{out}$ [N·m]   | 282   | 375   | 516   | 525   | 525   | 520   | 522   | 525   | 520   | 525   | 525   | 525   | 525   | 525   | 525    | -     | CNF C-76  |
|            | $T_{out}$ [kgf·m] | 28.7  | 38.2  | 52.6  | 53.5  | 53.5  | 53.0  | 53.2  | 53.5  | 53.0  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5   | -     | CNV C-82  |
|            | Pro[N]            | 5810  | 6450  | 7260  | 7540  | 8160  | 8280  | 9150  | 9640  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9780</ |       |           |

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

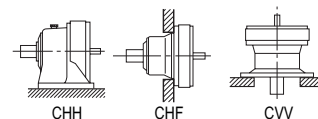
Input Speed  $n_1 = 980$  r/min

| Frame Size | $n_2$ [r/min]     | 163   | 123   | 89.1  | 75.4  | 65.3  | 57.6  | 46.7  | 39.2  | 33.8  | 28.0  | 22.8  | 19.2  | 16.6  | 13.8  | 11.3  | 8.24 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P$ [kW]          | 6.40  | 5.97  | 5.18  | 4.68  | 4.54  | 4.00  | 3.24  | 2.72  | 2.35  | 1.94  | 1.58  | 1.33  | 1.15  | 0.843 | 0.761 | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 355   | 442   | 527   | 563   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 554   | 613   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 36.2  | 45.1  | 53.7  | 57.4  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 56.5  | 62.5  | -    |                                  |
|            | Pro [N]           | 5730  | 6380  | 7250  | 7510  | 8050  | 8180  | 9050  | 9540  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9590  | -    |                                  |
|            | Pro [kgf]         | 584   | 650   | 739   | 766   | 821   | 834   | 923   | 972   | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 978   | -    |                                  |
| 6130       | $P$ [kW]          | 9.10  | 8.95  | 7.66  | 6.48  | 5.62  | 4.96  | 4.01  | 3.37  | 2.91  | 2.41  | 1.96  | 1.81  | 1.57  | 1.30  | 1.05  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 505   | 663   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 855   | 855   | 855   | 848   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 51.5  | 67.6  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 87.2  | 87.2  | 87.2  | 86.4  | -    |                                  |
|            | Pro [N]           | 6620  | 7350  | 8460  | 8890  | 9130  | 9840  | 10600 | 11100 | 11700 | 12400 | 13300 | 13900 | 14600 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 675   | 749   | 862   | 906   | 931   | 1000  | 1080  | 1130  | 1190  | 1260  | 1360  | 1420  | 1490  | 1500  | 1500  | -    |                                  |
| 6135       | $P$ [kW]          | 9.96  | 9.20  | 9.23  | 7.58  | 6.77  | 5.97  | 4.84  | 3.89  | 3.50  | 2.90  | 2.36  | 1.89  | 1.81  | 1.50  | 1.22  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 553   | 682   | 940   | 912   | 940   | 940   | 940   | 900   | 940   | 940   | 940   | 892   | 987   | 987   | 979   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 56.4  | 69.5  | 95.8  | 93.0  | 95.8  | 95.8  | 95.8  | 91.7  | 95.8  | 95.8  | 95.8  | 90.9  | 101   | 101   | 99.8  | -    |                                  |
|            | Pro [N]           | 6560  | 7330  | 8310  | 8780  | 9010  | 9720  | 10500 | 11000 | 11600 | 12200 | 13200 | 13900 | 14500 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 669   | 747   | 847   | 895   | 918   | 991   | 1070  | 1120  | 1180  | 1240  | 1350  | 1420  | 1480  | 1500  | 1500  | -    |                                  |
| 6140       | $P$ [kW]          | 12.2  | 11.6  | 12.0  | 10.2  | 8.82  | 7.78  | 6.30  | 5.29  | 4.56  | 3.78  | 3.08  | 2.59  | 2.24  | 1.86  | 1.52  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 678   | 863   | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 69.1  | 88.0  | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | -    |                                  |
|            | Pro [N]           | 10300 | 11400 | 12800 | 13100 | 13800 | 14400 | 15500 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1050  | 1160  | 1300  | 1340  | 1410  | 1470  | 1580  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P$ [kW]          | 12.2  | 11.6  | 12.1  | 11.4  | 9.78  | 8.71  | 6.88  | 5.92  | 5.10  | 4.23  | 3.44  | 2.74  | 2.36  | 1.94  | 1.55  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 678   | 863   | 1230  | 1370  | 1360  | 1370  | 1340  | 1370  | 1370  | 1370  | 1370  | 1290  | 1290  | 1280  | 1250  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 69.1  | 88.0  | 125   | 140   | 139   | 140   | 137   | 140   | 140   | 140   | 140   | 131   | 131   | 130   | 127   | -    |                                  |
|            | Pro [N]           | 10300 | 11400 | 12800 | 13100 | 13700 | 14400 | 15400 | 16000 | 15800 | 16000 | 15700 | 15900 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1050  | 1160  | 1300  | 1340  | 1400  | 1470  | 1570  | 1630  | 1610  | 1630  | 1600  | 1620  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P$ [kW]          | 20.3  | 19.7  | 17.2  | 14.6  | 12.6  | 11.2  | 9.03  | 7.58  | 6.54  | 5.42  | 4.36  | 3.72  | 3.21  | 2.67  | 2.18  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1130  | 1460  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1760  | 1740  | 1760  | 1760  | 1760  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 115   | 149   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 179   | 177   | 179   | 179   | 179   | 179   | -    |                                  |
|            | Pro [N]           | 11300 | 12600 | 14300 | 15100 | 16100 | 16700 | 18100 | 19000 | 19900 | 21200 | 22100 | 22100 | 22100 | 22100 | 22100 | -    |                                  |
|            | Pro [kgf]         | 1150  | 1280  | 1460  | 1540  | 1640  | 1700  | 1850  | 1940  | 2030  | 2160  | 2250  | 2250  | 2250  | 2250  | 2250  | -    |                                  |
| 6165       | $P$ [kW]          | 23.8  | 22.5  | 20.6  | 17.4  | 15.1  | 13.3  | 10.8  | 9.07  | 7.82  | 6.48  | 5.28  | 4.45  | 3.84  | 3.19  | 2.55  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1320  | 1670  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 135   | 170   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 209   | -    |                                  |
|            | Pro [N]           | 11100 | 12400 | 14100 | 14900 | 15900 | 16500 | 17800 | 18800 | 19700 | 21000 | 22100 | 22100 | 22100 | 22100 | 21800 | -    |                                  |
|            | Pro [kgf]         | 1130  | 1260  | 1440  | 1520  | 1620  | 1680  | 1810  | 1920  | 2010  | 2140  | 2250  | 2250  | 2250  | 2250  | 2220  | -    |                                  |
| 6170       | $P$ [kW]          | 27.6  | 27.6  | 24.8  | 21.0  | 18.2  | 16.1  | 13.0  | 10.9  | 9.42  | 7.81  | 6.36  | 5.36  | 4.63  | 3.85  | 3.14  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1530  | 2040  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 156   | 208   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | -    |                                  |
|            | Pro [N]           | 12700 | 13900 | 16000 | 16800 | 17700 | 18600 | 20300 | 21200 | 22400 | 23900 | 25600 | 26800 | 28200 | 29500 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1290  | 1420  | 1630  | 1710  | 1800  | 1900  | 2070  | 2160  | 2280  | 2440  | 2610  | 2730  | 2870  | 3010  | 3010  | -    |                                  |
| 6175       | $P$ [kW]          | 30.1  | 30.1  | 30.1  | 26.2  | 22.3  | 20.0  | 16.2  | 13.6  | 11.7  | 9.72  | 7.91  | 6.67  | 5.77  | 4.79  | 3.91  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1670  | 2230  | 3070  | 3150  | 3100  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 170   | 227   | 313   | 321   | 316   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | -    |                                  |
|            | Pro [N]           | 12600 | 13800 | 15600 | 16400 | 17300 | 18200 | 20000 | 20800 | 22100 | 23600 | 25200 | 26500 | 27900 | 29500 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1280  | 1410  | 1590  | 1670  | 1760  | 1860  | 2040  | 2120  | 2250  | 2410  | 2570  | 2700  | 2840  | 3010  | 3010  | -    |                                  |
| 6180       | $P$ [kW]          | -     | -     | 35.2  | 33.7  | 29.2  | 25.8  | 20.8  | 17.5  | 15.1  | 12.5  | 10.2  | 8.58  | 7.42  | 6.16  | 5.04  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 3580  | 4060  | 4060  | 4060  | 4050  | 4050  | 4050  | 4050  | 4060  | 4050  | 4050  | 4050  | 4060  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 365   | 414   | 414   | 414   | 413   | 413   | 413   | 413   | 414   | 413   | 413   | 413   | 414   | -    |                                  |
|            | Pro [N]           | -     | -     | 21400 | 22200 | 23400 | 24900 | 27100 | 28300 | 29700 | 31900 | 34300 | 35700 | 37400 | 39900 | 41700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2180  | 2260  | 2390  | 2540  | 2760  | 2880  | 3030  | 3250  | 3500  | 3640  | 3810  | 4070  | 4250  | -    |                                  |
| 6185       | $P$ [kW]          | -     | -     | 39.0  | 39.0  | 29.8  | 28.3  | 25.7  | 21.6  | 18.6  | 15.4  | 12.6  | 10.6  | 9.15  | 6.87  | 6.21  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 3970  | 4690  | 4130  | 4450  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 4510  | 5000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 405   | 478   | 421   | 454   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 460   | 510   | -    |                                  |
|            | Pro [N]           | -     | -     | 21200 | 21900 | 23400 | 24700 | 26700 | 27900 | 29300 | 31500 | 33900 | 35400 | 37100 | 39800 | 41700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2160  | 2230  | 2390  | 2520  | 2720  | 2840  | 2990  | 3210  | 3460  | 3610  | 3780  | 4060  | 4250  | -    |                                  |
| 6190       | $P$ [kW]          | -     | -     | 41.0  | 41.0  | 41.0  | 40.5  | 32.8  | 27.6  | 23.8  | 19.7  | 16.0  | 13.5  | 11.7  | 9.71  | 7.92  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4180  | 4930  | 5690  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | 6380  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 426   | 503   | 580   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | 650   | -    |                                  |
|            | Pro [N]           | -     | -     | 30300 | 31300 | 32700 | 34500 | 37600 | 39500 | 41600 | 44100 | 47700 | 49900 | 52400 | 55800 | 58900 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 3090  | 3190  | 3330  | 3520  | 3830  | 4030  | 4240  | 4500  | 4860  | 5090  | 5340  | 5690  | 6000  | -    |                                  |
| 6195       | $P$ [kW]          | -     | -     | 48.1  | 48.1  | 48.1  | 48.1  | 40.9  | 34.4  | 29.6  | 24.6  | 20.0  | 16.9  | 14.6  | 12.1  | 9.88  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4900  | 5790  | 6680  | 7570  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | 7960  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 499   | 590   | 681   | 772   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | 811   | -    |                                  |
|            | Pro [N]           | -     | -     | 30000 | 31000 | 32300 | 34100 | 37100 | 39000 | 41200 | 43700 | 47200 | 49400 | 52000 | 55300 | 58400 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 3060  | 3160  | 3290  | 3480  | 3780  | 3980  | 4200  | 4450  | 4810  | 5040  | 5300  | 5640  | 5950  | -    |                                  |
| Frame Size | Ratio[Z]          | 6     | 8     |       |       |       |       |       |       |       |       |       |       |       |       |       |      |                                  |

# Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

| Input Speed | $n_1 = 980$ r/min | $n_1$ : Input Speed [r/min]      |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |
|-------------|-------------------|----------------------------------|--|--------------------------------------------------|--|
|             |                   | $n_2$ : Output Speed [r/min]     |  | Pro: Allowable output shaft radial load [N, kgf] |  |
|             |                   | $P$ : Allowable input power [kW] |  | *Consult us for Pro of CNF and CHF type.         |  |
|             |                   |                                  |  |                                                  |  |



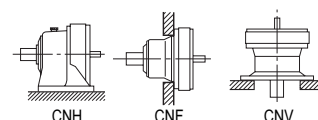
| Frame Size | $n_2$ [r/min]     | 163 | 123 | 89.1   | 75.4 | 65.3   | 57.6 | 46.7   | 39.2 | 33.8   | 28.0 | 22.8   | 19.2 | 16.6   | 13.8 | 11.3   | 8.24 | Dim. Page                        |
|------------|-------------------|-----|-----|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|----------------------------------|
|            | Ratio[Z]          | 6   | 8   | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  |                                  |
| 6205       | $P_1$ [kW]        | -   | -   | 59.7   | -    | 59.7   | -    | 47.7   | -    | 34.4   | -    | 23.4   | -    | 17.0   | -    | 10.9   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 6080   | -    | 8290   | -    | 9270   | -    | 9230   | -    | 9300   | -    | 9300   | -    | 8760   | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 620    | -    | 845    | -    | 945    | -    | 941    | -    | 948    | -    | 948    | -    | 893    | -    |                                  |
|            | Pro [N]           | -   | -   | 57700  | -    | 61800  | -    | 69400  | -    | 76000  | -    | 84100  | -    | 84100  | -    | 84100  | -    |                                  |
| 6215       | $P_1$ [kW]        | -   | -   | 75.3   | -    | 75.3   | -    | 64.3   | -    | 47.1   | -    | 31.8   | -    | 23.2   | -    | 14.0   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 7670   | -    | 10500  | -    | 12500  | -    | 12700  | -    | 12700  | -    | 12700  | -    | 11300  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 782    | -    | 1070   | -    | 1270   | -    | 1290   | -    | 1290   | -    | 1290   | -    | 1150   | -    |                                  |
|            | Pro [N]           | -   | -   | 58000  | -    | 62000  | -    | 70100  | -    | 76600  | -    | 87100  | -    | 95100  | -    | 104000 | -    |                                  |
| 6225       | $P_1$ [kW]        | -   | -   | 99.5   | -    | 99.5   | -    | 76.1   | -    | 56.0   | -    | 40.2   | -    | 29.1   | -    | 18.7   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 10100  | -    | 13800  | -    | 14800  | -    | 15000  | -    | 16000  | -    | 15900  | -    | 15100  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1030   | -    | 1410   | -    | 1510   | -    | 1530   | -    | 1630   | -    | 1620   | -    | 1540   | -    |                                  |
|            | Pro [N]           | -   | -   | 61000  | -    | 65500  | -    | 73700  | -    | 80800  | -    | 91700  | -    | 100000 | -    | 113000 | -    |                                  |
| 6235       | $P_1$ [kW]        | -   | -   | 113    | -    | 113    | -    | 97.2   | -    | 70.4   | -    | 47.6   | -    | 34.6   | -    | 21.3   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 11500  | -    | 15700  | -    | 18900  | -    | 18900  | -    | 18900  | -    | 18900  | -    | 17200  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1170   | -    | 1600   | -    | 1930   | -    | 1930   | -    | 1930   | -    | 1930   | -    | 1750   | -    |                                  |
|            | Pro [N]           | -   | -   | 76700  | -    | 81700  | -    | 91900  | -    | 101000 | -    | 114000 | -    | 125000 | -    | 141000 | -    |                                  |
| 6245       | $P_1$ [kW]        | -   | -   | 132    | -    | 132    | -    | 120    | -    | 94.2   | -    | 64.8   | -    | 47.2   | -    | 28.1   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 13400  | -    | 18300  | -    | 23300  | -    | 25300  | -    | 25800  | -    | 25800  | -    | 22600  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1370   | -    | 1870   | -    | 2380   | -    | 2580   | -    | 2630   | -    | 2630   | -    | 2300   | -    |                                  |
|            | Pro [N]           | -   | -   | 85200  | -    | 91100  | -    | 102000 | -    | 112000 | -    | 126000 | -    | 138000 | -    | 157000 | -    |                                  |
| 6255       | $P_1$ [kW]        | -   | -   | 151    | -    | 151    | -    | 151    | -    | 118    | -    | 77.9   | -    | 56.8   | -    | 38.5   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 15300  | -    | 20900  | -    | 29300  | -    | 31800  | -    | 31000  | -    | 31000  | -    | 31000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1560   | -    | 2130   | -    | 2990   | -    | 3240   | -    | 3160   | -    | 3160   | -    | 3160   | -    |                                  |
|            | Pro [N]           | -   | -   | 104000 | -    | 112000 | -    | 124000 | -    | 137000 | -    | 155000 | -    | 170000 | -    | 192000 | -    |                                  |
| 6265       | $P_1$ [kW]        | -   | -   | 175    | -    | 175    | -    | 172    | -    | 159    | -    | 113    | -    | 84.2   | -    | 53.4   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 17800  | -    | 24300  | -    | 33400  | -    | 42700  | -    | 45000  | -    | 46000  | -    | 43000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 1810   | -    | 2480   | -    | 3400   | -    | 4350   | -    | 4590   | -    | 4690   | -    | 4380   | -    |                                  |
|            | Pro [N]           | -   | -   | 128000 | -    | 137000 | -    | 152000 | -    | 168000 | -    | 189000 | -    | 207000 | -    | 234000 | -    |                                  |
| 6275       | $P_1$ [kW]        | -   | -   | -      | -    | -      | -    | -      | -    | 159    | -    | 151    | -    | 125    | -    | 53.4   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -      | -    | -      | -    | -      | -    | 42700  | -    | 60000  | -    | 68200  | -    | 43000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -      | -    | -      | -    | -      | -    | 4350   | -    | 6120   | -    | 6950   | -    | 4380   | -    |                                  |
|            | Pro [N]           | -   | -   | -      | -    | -      | -    | -      | -    | 196000 | -    | 248000 | -    | 248000 | -    | 219000 | -    |                                  |
| Frame Size | $n_2$ [r/min]     | 163 | 123 | 89.1   | 75.4 | 65.3   | 57.6 | 46.7   | 39.2 | 33.8   | 28.0 | 22.8   | 19.2 | 16.6   | 13.8 | 11.3   | 8.24 | Dim. Page                        |
|            | Ratio[Z]          | 6   | 8   | 11     | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59     | 71   | 87     | 119  |                                  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.  
2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

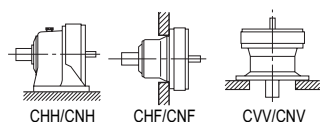
| Input Speed | $n_1 = 1165$ r/min | $n_1$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |  |  |  |  |  |  |  |  |
|-------------|--------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|--|--|--|--|--|--|
|             |                    | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  | Pro: Allowable output shaft radial load [N, kgf] |  |  |  |  |  |  |  |  |  |
|             |                    | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  | *Consult us for Pro of CNF and CHF type.         |  |  |  |  |  |  |  |  |  |
|             |                    |                                  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |



| Frame Size | $n_2$ [r/min]     | 194   | 146   | 106   | 89.6  | 77.7  | 68.5  | 55.5  | 46.6  | 40.2  | 33.3  | 27.1  | 22.8  | 19.7  | 16.4  | 13.4  | 9.79  | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |                                  |
| 6060       | $P_i$ [kW]        | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.181 | 0.147 | 0.110 | 0.106 | 0.088 | 0.072 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 9.35  | 12.5  | 17.1  | 20.2  | 23.4  | 24.0  | 24.0  | 21.4  | 24.0  | 24.0  | 24.0  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 0.953 | 1.27  | 1.74  | 2.06  | 2.39  | 2.45  | 2.45  | 2.18  | 2.45  | 2.45  | 2.45  | -     | -     | -     | -     | -     |                                  |
|            | Pro[N]            | 857   | 978   | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro[kgf]          | 87.4  | 100   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6065       | $P_i$ [kW]        | 0.286 | 0.286 | 0.286 | 0.286 | 0.257 | 0.227 | 0.183 | 0.154 | 0.133 | 0.110 | 0.090 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 13.4  | 17.8  | 24.5  | 29.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.37  | 1.81  | 2.50  | 2.96  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | -     | -     | -     | -     | -     |                                  |
|            | Pro[N]            | 850   | 968   | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro[kgf]          | 86.6  | 98.7  | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6070       | $P_i$ [kW]        | 0.347 | 0.347 | 0.347 | 0.347 | 0.347 | 0.340 | 0.275 | 0.230 | 0.199 | 0.165 | 0.134 | 0.100 | 0.098 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 16.2  | 21.6  | 29.7  | 35.1  | 40.5  | 45.0  | 45.0  | 44.7  | 45.0  | 45.0  | 45.0  | 39.7  | 45.0  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.65  | 2.20  | 3.03  | 3.58  | 4.13  | 4.59  | 4.59  | 4.56  | 4.59  | 4.59  | 4.59  | 4.05  | 4.59  | -     | -     | -     |                                  |
|            | Pro[N]            | 1470  | 1620  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | -     | -     | -     |                                  |
|            | Pro[kgf]          | 150   | 165   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | -     | -     | -     |                                  |
| 6075       | $P_i$ [kW]        | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.367 | 0.280 | 0.264 | 0.220 | 0.179 | 0.136 | 0.115 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 19.0  | 25.3  | 34.9  | 41.2  | 47.5  | 53.9  | 60.0  | 54.6  | 59.6  | 60.0  | 60.0  | 54.2  | 52.9  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.94  | 2.58  | 3.56  | 4.20  | 4.84  | 5.49  | 6.12  | 5.57  | 6.08  | 6.12  | 6.12  | 5.52  | 5.39  | -     | -     | -     |                                  |
|            | Pro[N]            | 1470  | 1610  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1630  | 1660  | -     | -     | -     |                                  |
|            | Pro[kgf]          | 150   | 164   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 166   | 169   | -     | -     | -     |                                  |
| 6080       | $P_i$ [kW]        | 0.592 | 0.592 | 0.592 | 0.592 | 0.592 | 0.592 | 0.472 | 0.340 | 0.340 | 0.294 | 0.239 | 0.192 | 0.174 | 0.120 | 0.090 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 27.7  | 36.9  | 50.7  | 60.0  | 69.2  | 78.4  | 77.2  | 66.2  | 76.8  | 80.0  | 80.0  | 76.3  | 80.0  | 66.3  | 61.0  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 2.82  | 3.76  | 5.17  | 6.12  | 7.05  | 7.99  | 7.87  | 6.75  | 7.83  | 8.15  | 8.15  | 7.78  | 8.15  | 6.76  | 6.22  | -     |                                  |
|            | Pro[N]            | 2050  | 2210  | 2430  | 2560  | 2560  | 2560  | 2560  | 2560  | 2530  | 2560  | 2540  | 2510  | 2510  | 2560  | 2560  | -     |                                  |
|            | Pro[kgf]          | 209   | 225   | 248   | 261   | 261   | 261   | 261   | 261   | 258   | 261   | 259   | 256   | 256   | 261   | 261   | -     |                                  |
| 6085       | $P_i$ [kW]        | 0.778 | 0.778 | 0.778 | 0.778 | 0.778 | 0.755 | 0.472 | 0.475 | 0.443 | 0.356 | 0.294 | 0.241 | 0.218 | 0.181 | 0.121 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 36.3  | 48.5  | 66.6  | 78.7  | 90.8  | 100   | 77.2  | 92.4  | 100   | 97.1  | 98.4  | 95.8  | 100   | 100   | 82.1  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 3.70  | 4.94  | 6.79  | 8.02  | 9.26  | 10.2  | 7.87  | 9.42  | 10.2  | 9.90  | 10.0  | 9.77  | 10.2  | 10.2  | 8.37  | -     |                                  |
|            | Pro[N]            | 2030  | 2190  | 2400  | 2560  | 2560  | 2560  | 2560  | 2450  | 2300  | 2460  | 2360  | 2330  | 2310  | 2260  | 2430  | -     |                                  |
|            | Pro[kgf]          | 207   | 223   | 245   | 261   | 261   | 261   | 261   | 250   | 234   | 251   | 241   | 238   | 235   | 230   | 248   | -     |                                  |
| 6090       | $P_i$ [kW]        | 1.15  | 1.15  | 1.15  | 1.15  | 1.15  | 1.13  | 0.758 | 0.671 | 0.625 | 0.550 | 0.435 | 0.332 | 0.298 | 0.239 | 0.211 | 0.117 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 53.6  | 71.4  | 98.2  | 116   | 134   | 150   | 124   | 131   | 141   | 150   | 146   | 132   | 137   | 132   | 143   | 108   |                                  |
|            | $T_{out}$ [kgf·m] | 5.46  | 7.28  | 10.0  | 11.8  | 13.7  | 15.3  | 12.6  | 13.4  | 14.4  | 15.3  | 14.9  | 13.5  | 14.0  | 13.5  | 14.6  | 11.0  |                                  |
|            | Pro[N]            | 3010  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3320  | 3310  | 3300  | 3320  | 3320  | 3320  | 3310  | 3330  | 3310  |                                  |
|            | Pro[kgf]          | 307   | 340   | 340   | 340   | 340   | 340   | 340   | 338   | 337   | 336   | 338   | 338   | 338   | 337   | 339   | 337   |                                  |
| 6095       | $P_i$ [kW]        | 1.52  | 1.52  | 1.52  | 1.52  | 1.52  | 1.51  | 1.22  | 0.850 | 0.784 | 0.696 | 0.537 | 0.361 | 0.298 | 0.239 | 0.223 | 0.117 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 70.8  | 94.4  | 130   | 153   | 177   | 200   | 200   | 166   | 177   | 190   | 180   | 143   | 137   | 132   | 151   | 108   |                                  |
|            | $T_{out}$ [kgf·m] | 7.22  | 9.62  | 13.3  | 15.6  | 18.0  | 20.4  | 20.4  | 16.9  | 18.0  | 19.4  | 18.3  | 14.6  | 14.0  | 13.5  | 15.4  | 11.0  |                                  |
|            | Pro[N]            | 2980  | 3290  | 3340  | 3340  | 3340  | 3340  | 3340  | 3250  | 3240  | 3220  | 3260  | 3290  | 3320  | 3310  | 3310  | 3310  |                                  |
|            | Pro[kgf]          | 304   | 335   | 340   | 340   | 340   | 340   | 340   | 331   | 330   | 328   | 332   | 335   | 338   | 337   | 337   | 337   |                                  |
| 6100       | $P_i$ [kW]        | 2.35  | 2.35  | 2.35  | 2.35  | 2.14  | 1.89  | 1.53  | 1.27  | 1.11  | 0.917 | 0.747 | 0.560 | 0.516 | 0.436 | 0.369 | 0.210 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 110   | 146   | 201   | 238   | 250   | 250   | 250   | 247   | 250   | 250   | 250   | 222   | 237   | 241   | 250   | 195   |                                  |
|            | $T_{out}$ [kgf·m] | 11.2  | 14.9  | 20.5  | 24.3  | 25.5  | 25.5  | 25.5  | 25.2  | 25.5  | 25.5  | 25.5  | 22.6  | 24.2  | 24.6  | 25.5  | 19.9  |                                  |
|            | Pro[N]            | 4380  | 4870  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5390  | 5400  | 5390  |                                  |
|            | Pro[kgf]          | 446   | 496   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 549   | 550   | 549   |                                  |
| 6105       | $P_i$ [kW]        | 3.18  | 3.18  | 3.18  | 2.96  | 2.57  | 2.27  | 1.83  | 1.54  | 1.33  | 1.10  | 0.896 | 0.699 | 0.603 | 0.448 | 0.425 | 0.262 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 149   | 198   | 272   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 278   | 277   | 248   | 288   | 243   |                                  |
|            | $T_{out}$ [kgf·m] | 15.2  | 20.2  | 27.7  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 28.3  | 28.2  | 25.3  | 29.4  | 24.8  |                                  |
|            | Pro[N]            | 4320  | 4800  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5380  | 5090  | 5360  |                                  |
|            | Pro[kgf]          | 440   | 489   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 548   | 519   | 546   |                                  |
| 6110       | $P_i$ [kW]        | 3.55  | 3.55  | 3.55  | 3.55  | 3.08  | 2.72  | 2.20  | 1.85  | 1.59  | 1.32  | 1.08  | 0.906 | 0.784 | 0.651 | 0.531 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 166   | 221   | 304   | 359   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | 360   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 16.9  | 22.5  | 31.0  | 36.6  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | 36.7  | -     |                                  |
|            | Pro[N]            | 4910  | 5450  | 6180  | 6370  | 6830  | 6930  | 7390  | 7340  | 7200  | 7280  | 7590  | 7590  | 7610  | 7580  | 7600  | -     |                                  |
|            | Pro[kgf]          | 501   | 556   | 630   | 649   | 696   | 706   | 753   | 748   | 734   | 742   | 774   | 774   | 776   | 773   | 775   | -     |                                  |
| 6115       | $P_i$ [kW]        | 3.92  | 3.92  | 3.92  | 3.90  | 3.60  | 3.17  | 2.57  | 2.16  | 1.86  | 1.54  | 1.25  | 1.06  | 0.914 | 0.758 | 0.620 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 183   | 244   | 336   | 395   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 420   | 419   | 420   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 18.7  | 24.9  | 34.3  | 40.3  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  | 42.7  | 42.8  | -     |                                  |
|            | Pro[N]            | 4890  | 5420  | 6150  | 6330  | 6760  | 6870  | 7320  | 7150  | 7010  | 7090  | 7370  | 7410  | 7430  | 7420  | 7410  | -     |                                  |
|            | Pro[kgf]          | 498   | 552   | 627   | 645   | 689   | 700   | 746   | 729   | 715   | 723   | 751   | 755   | 757   | 756   | 755   | -     |                                  |
| 6120       | $P_i$ [kW]        | 5.07  | 5.07  | 5.07  | 5.07  | 4.49  | 3.93  | 3.19  | 2.70  | 2.30  | 1.93  | 1.57  | 1.32  | 1.14  | 0.950 | 0.775 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 237   | 316   | 434   | 513   | 525   | 520   | 522   | 525   | 520   | 525   | 52    |       |       |       |       |       |                                  |

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

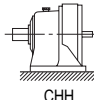
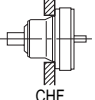
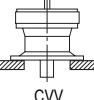
Input Speed  $n_1 = 1165$  r/min

| Frame Size | $n_2$ [r/min]     | 194   | 146   | 106   | 89.6  | 77.7  | 68.5  | 55.5  | 46.6  | 40.2  | 33.3  | 27.1  | 22.8  | 19.7  | 16.4  | 13.4  | 9.79 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P$ [kW]          | 6.96  | 6.82  | 5.91  | 5.34  | 5.39  | 4.76  | 3.85  | 3.24  | 2.79  | 2.31  | 1.88  | 1.59  | 1.37  | 0.963 | 0.868 | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 325   | 425   | 506   | 540   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 532   | 588   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 33.1  | 43.3  | 51.6  | 55.0  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 54.2  | 59.9  | -    |                                  |
|            | Pro [N]           | 5420  | 6010  | 6840  | 7080  | 7560  | 7690  | 8510  | 8980  | 9380  | 9810  | 9810  | 9810  | 9810  | 9810  | 9650  | -    |                                  |
|            | Pro [kgf]         | 552   | 613   | 697   | 722   | 771   | 784   | 867   | 915   | 956   | 1000  | 1000  | 1000  | 1000  | 1000  | 984   | -    |                                  |
| 6130       | $P$ [kW]          | 9.39  | 9.39  | 9.11  | 7.70  | 6.68  | 5.89  | 4.77  | 4.01  | 3.45  | 2.86  | 2.33  | 2.07  | 1.79  | 1.49  | 1.21  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 439   | 585   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 821   | 821   | 821   | 821   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 44.8  | 59.6  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 83.7  | 83.7  | 83.7  | 83.7  | -    |                                  |
|            | Pro [N]           | 6290  | 6980  | 7940  | 8360  | 8580  | 9260  | 9960  | 10400 | 11000 | 11600 | 12600 | 13100 | 13800 | 14700 | 14700 | -    |                                  |
|            | Pro [kgf]         | 641   | 712   | 809   | 852   | 875   | 944   | 1020  | 1060  | 1120  | 1180  | 1280  | 1340  | 1410  | 1500  | 1500  | -    |                                  |
| 6135       | $P$ [kW]          | 11.3  | 10.5  | 10.7  | 8.65  | 8.05  | 7.10  | 5.69  | 4.62  | 4.13  | 3.45  | 2.81  | 2.16  | 2.06  | 1.71  | 1.40  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 528   | 654   | 916   | 876   | 940   | 940   | 930   | 900   | 933   | 940   | 940   | 856   | 948   | 948   | 948   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 53.8  | 66.7  | 93.4  | 89.3  | 95.8  | 95.8  | 94.8  | 91.7  | 95.1  | 95.8  | 95.8  | 87.3  | 96.6  | 96.6  | 96.6  | -    |                                  |
|            | Pro [N]           | 6190  | 6910  | 7820  | 8280  | 8460  | 9140  | 9840  | 10300 | 10900 | 11500 | 12400 | 13100 | 13700 | 14600 | 14700 | -    |                                  |
|            | Pro [kgf]         | 631   | 704   | 797   | 844   | 862   | 932   | 1000  | 1050  | 1110  | 1170  | 1260  | 1340  | 1400  | 1490  | 1500  | -    |                                  |
| 6140       | $P$ [kW]          | 13.0  | 13.0  | 13.0  | 12.1  | 10.5  | 9.25  | 7.49  | 6.29  | 5.42  | 4.49  | 3.66  | 3.08  | 2.67  | 2.22  | 1.81  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 609   | 811   | 1120  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | 1230  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 62.1  | 82.7  | 114   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | -    |                                  |
|            | Pro [N]           | 9820  | 10900 | 12200 | 12400 | 13100 | 13700 | 14700 | 15400 | 15800 | 16000 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 1000  | 1110  | 1240  | 1260  | 1340  | 1400  | 1500  | 1570  | 1610  | 1630  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P$ [kW]          | 13.9  | 13.3  | 13.8  | 13.5  | 11.6  | 10.3  | 8.02  | 7.04  | 6.07  | 5.03  | 3.95  | 3.13  | 2.69  | 2.22  | 1.83  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 651   | 828   | 1180  | 1360  | 1360  | 1370  | 1310  | 1370  | 1370  | 1370  | 1320  | 1240  | 1240  | 1230  | 1240  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 66.4  | 84.4  | 120   | 139   | 139   | 140   | 134   | 140   | 140   | 140   | 135   | 126   | 126   | 125   | 126   | -    |                                  |
|            | Pro [N]           | 9800  | 10900 | 12100 | 12400 | 13000 | 13600 | 14600 | 15400 | 15700 | 16000 | 15900 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 999   | 1110  | 1230  | 1260  | 1330  | 1390  | 1490  | 1570  | 1600  | 1630  | 1620  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P$ [kW]          | 20.3  | 19.7  | 19.7  | 17.3  | 15.0  | 13.1  | 10.7  | 9.01  | 7.77  | 6.44  | 5.18  | 4.42  | 3.82  | 3.17  | 2.59  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 948   | 1230  | 1690  | 1760  | 1760  | 1730  | 1760  | 1760  | 1760  | 1760  | 1740  | 1760  | 1760  | 1760  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 96.6  | 125   | 172   | 179   | 179   | 176   | 179   | 179   | 179   | 179   | 177   | 179   | 179   | 179   | 179   | -    |                                  |
|            | Pro [N]           | 10800 | 12000 | 13500 | 14200 | 15100 | 15700 | 17000 | 17900 | 18700 | 20000 | 21500 | 22100 | 22100 | 22100 | 22100 | -    |                                  |
|            | Pro [kgf]         | 1100  | 1220  | 1380  | 1450  | 1540  | 1600  | 1730  | 1820  | 1910  | 2040  | 2190  | 2250  | 2250  | 2250  | 2250  | -    |                                  |
| 6165       | $P$ [kW]          | 24.1  | 24.1  | 24.1  | 20.7  | 18.0  | 15.9  | 12.8  | 10.8  | 9.30  | 7.70  | 6.27  | 5.29  | 4.57  | 3.80  | 3.03  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1120  | 1500  | 2060  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 114   | 153   | 210   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 209   | -    |                                  |
|            | Pro [N]           | 10600 | 11800 | 13200 | 14000 | 14900 | 15500 | 16800 | 17700 | 18500 | 19800 | 21200 | 22100 | 22100 | 22100 | 21800 | -    |                                  |
|            | Pro [kgf]         | 1080  | 1200  | 1350  | 1430  | 1520  | 1580  | 1710  | 1800  | 1890  | 2020  | 2160  | 2250  | 2250  | 2250  | 2220  | -    |                                  |
| 6170       | $P$ [kW]          | 27.6  | 27.6  | 27.6  | 25.0  | 21.7  | 19.1  | 15.5  | 13.0  | 11.2  | 9.28  | 7.56  | 6.37  | 5.51  | 4.58  | 3.73  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1290  | 1720  | 2360  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 131   | 175   | 241   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | 258   | -    |                                  |
|            | Pro [N]           | 12100 | 13300 | 15100 | 15800 | 16600 | 17400 | 19100 | 19900 | 21100 | 22500 | 24100 | 25200 | 26500 | 28200 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1230  | 1360  | 1540  | 1610  | 1690  | 1770  | 1950  | 2030  | 2150  | 2290  | 2460  | 2570  | 2700  | 2870  | 3010  | -    |                                  |
| 6175       | $P$ [kW]          | 30.1  | 30.1  | 30.1  | 30.1  | 25.4  | 23.8  | 19.3  | 16.2  | 13.9  | 11.6  | 9.41  | 7.93  | 6.86  | 5.70  | 4.65  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1410  | 1880  | 2580  | 3050  | 2970  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | 3150  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 144   | 192   | 263   | 311   | 303   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | 321   | -    |                                  |
|            | Pro [N]           | 12000 | 13200 | 14900 | 15400 | 16300 | 17000 | 18700 | 19600 | 20700 | 22100 | 23700 | 24900 | 26200 | 27900 | 29500 | -    |                                  |
|            | Pro [kgf]         | 1220  | 1350  | 1520  | 1570  | 1660  | 1730  | 1910  | 2000  | 2110  | 2250  | 2420  | 2540  | 2670  | 2840  | 3010  | -    |                                  |
| 6180       | $P$ [kW]          | -     | -     | 35.2  | 35.2  | 32.4  | 30.6  | 24.8  | 20.8  | 17.9  | 14.9  | 12.1  | 10.2  | 8.82  | 7.33  | 5.99  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 3020  | 3560  | 3780  | 4050  | 4050  | 4050  | 4050  | 4050  | 4060  | 4050  | 4050  | 4050  | 4060  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 308   | 363   | 385   | 413   | 413   | 413   | 413   | 413   | 414   | 413   | 413   | 413   | 414   | -    |                                  |
|            | Pro [N]           | -     | -     | 20300 | 21000 | 22100 | 23400 | 25500 | 26600 | 27900 | 30000 | 32300 | 33600 | 35300 | 37600 | 40600 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2070  | 2140  | 2250  | 2390  | 2600  | 2710  | 2840  | 3060  | 3290  | 3430  | 3600  | 3830  | 4140  | -    |                                  |
| 6185       | $P$ [kW]          | -     | -     | 39.0  | 39.0  | 34.0  | 32.3  | 30.6  | 25.7  | 22.1  | 18.3  | 14.9  | 12.6  | 10.9  | 8.16  | 7.38  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 3340  | 3950  | 3970  | 4280  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 4510  | 5000  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 340   | 403   | 405   | 436   | 510   | 510   | 510   | 510   | 510   | 510   | 510   | 460   | 510   | -    |                                  |
|            | Pro [N]           | -     | -     | 20200 | 20900 | 22000 | 23300 | 25100 | 26200 | 27600 | 29700 | 31900 | 33300 | 34900 | 37400 | 40300 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2060  | 2130  | 2240  | 2380  | 2560  | 2670  | 2810  | 3030  | 3250  | 3390  | 3560  | 3810  | 4110  | -    |                                  |
| 6190       | $P$ [kW]          | -     | -     | 41.0  | 41.0  | 41.0  | 41.0  | 39.0  | 32.8  | 28.3  | 23.4  | 18.8  | 16.1  | 13.9  | 11.5  | 9.42  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 3510  | 4150  | 4790  | 5430  | 6380  | 6380  | 6380  | 6380  | 6310  | 6380  | 6380  | 6380  | 6380  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 358   | 423   | 488   | 554   | 650   | 650   | 650   | 650   | 643   | 650   | 650   | 650   | 650   | -    |                                  |
|            | Pro [N]           | -     | -     | 28700 | 29700 | 31100 | 32800 | 35400 | 37200 | 39200 | 41600 | 44900 | 47000 | 49400 | 52500 | 56800 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2930  | 3030  | 3170  | 3340  | 3610  | 3790  | 4000  | 4240  | 4580  | 4790  | 5040  | 5350  | 5790  | -    |                                  |
| 6195       | $P$ [kW]          | -     | -     | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 40.5  | 35.2  | 29.2  | 23.0  | 20.0  | 17.3  | 14.4  | 11.7  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 4120  | 4870  | 5620  | 6370  | 7870  | 7880  | 7960  | 7960  | 7690  | 7960  | 7960  | 7960  | 7960  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 420   | 496   | 573   | 649   | 802   | 803   | 811   | 811   | 784   | 811   | 811   | 811   | 811   | -    |                                  |
|            | Pro [N]           | -     | -     | 28500 | 29500 | 30800 | 32400 | 34900 | 36700 | 38700 | 41100 | 44500 | 46500 | 49000 | 52100 | 56300 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2910  | 3010  | 3140  | 3300  | 3560  | 3740  | 3940  | 4190  | 4540  | 4740  | 4990  | 5310  | 5740  | -    |                                  |
| Frame Size | Ratio[Z]          | 6     | 8     | 11    |       |       |       |       |       |       |       |       |       |       |       |       |      |                                  |



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

| Input Speed |                           | $n_1 = 1165$ r/min |     | $n_1$ : Input Speed [r/min]<br>$n_2$ : Output Speed [r/min]<br>$P_i$ : Allowable input power [kW] |      |        |      |        |      |        |      |        |      | $T_{out}$ : Allowable output torque [N·m, kgf·m]<br>Pro: Allowable output shaft radial load [N, kgf]<br>*Consult us for Pro of CNF and CHF type. |      |        |      |           | <br>CHH |  | <br>CHF |  | <br>CVV |  |
|-------------|---------------------------|--------------------|-----|---------------------------------------------------------------------------------------------------|------|--------|------|--------|------|--------|------|--------|------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------|-----------|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|
| Frame Size  | $n_2$ [r/min]<br>Ratio[Z] | 194                | 146 | 106                                                                                               | 89.6 | 77.7   | 68.5 | 55.5   | 46.6 | 40.2   | 33.3 | 27.1   | 22.8 | 19.7                                                                                                                                             | 16.4 | 13.4   | 9.79 | Dim. Page |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6205        | $P_i$ [kW]                | -                  | -   | 59.7                                                                                              | -    | 59.7   | -    | 54.7   | -    | 39.6   | -    | 27.8   | -    | 19.5                                                                                                                                             | -    | 12.9   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 5110                                                                                              | -    | 6970   | -    | 8950   | -    | 8950   | -    | 9300   | -    | 8950                                                                                                                                             | -    | 8760   | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 521                                                                                               | -    | 710    | -    | 912    | -    | 912    | -    | 948    | -    | 912                                                                                                                                              | -    | 893    | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 55000                                                                                             | -    | 58900  | -    | 65800  | -    | 72100  | -    | 81600  | -    | 84100                                                                                                                                            | -    | 84100  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 5610                                                                                              | -    | 6000   | -    | 6710   | -    | 7350   | -    | 8320   | -    | 8570                                                                                                                                             | -    | 8570   | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6215        | $P_i$ [kW]                | -                  | -   | 75.3                                                                                              | -    | 75.3   | -    | 75.3   | -    | 56.0   | -    | 37.8   | -    | 27.5                                                                                                                                             | -    | 16.6   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 6450                                                                                              | -    | 8800   | -    | 12300  | -    | 12700  | -    | 12700  | -    | 12700                                                                                                                                            | -    | 11300  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 657                                                                                               | -    | 897    | -    | 1250   | -    | 1290   | -    | 1290   | -    | 1290                                                                                                                                             | -    | 1150   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 55300                                                                                             | -    | 59200  | -    | 66400  | -    | 72600  | -    | 82500  | -    | 90100                                                                                                                                            | -    | 102000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 5640                                                                                              | -    | 6030   | -    | 6770   | -    | 7400   | -    | 8410   | -    | 9180                                                                                                                                             | -    | 10400  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6225        | $P_i$ [kW]                | -                  | -   | 99.5                                                                                              | -    | 99.5   | -    | 90.5   | -    | 66.6   | -    | 47.8   | -    | 33.3                                                                                                                                             | -    | 22.2   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 8520                                                                                              | -    | 11600  | -    | 14800  | -    | 15000  | -    | 16000  | -    | 15300                                                                                                                                            | -    | 15100  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 869                                                                                               | -    | 1180   | -    | 1510   | -    | 1530   | -    | 1630   | -    | 1560                                                                                                                                             | -    | 1540   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 58200                                                                                             | -    | 62600  | -    | 69800  | -    | 76500  | -    | 86800  | -    | 95000                                                                                                                                            | -    | 107000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 5930                                                                                              | -    | 6380   | -    | 7120   | -    | 7800   | -    | 8850   | -    | 9680                                                                                                                                             | -    | 10900  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6235        | $P_i$ [kW]                | -                  | -   | 113                                                                                               | -    | 113    | -    | 97.5   | -    | 75.3   | -    | 54.3   | -    | 37.7                                                                                                                                             | -    | 24.0   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 9680                                                                                              | -    | 13200  | -    | 15900  | -    | 17000  | -    | 18200  | -    | 17300                                                                                                                                            | -    | 16200  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 987                                                                                               | -    | 1350   | -    | 1620   | -    | 1730   | -    | 1860   | -    | 1760                                                                                                                                             | -    | 1650   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 73100                                                                                             | -    | 77900  | -    | 87700  | -    | 96000  | -    | 108000 | -    | 119000                                                                                                                                           | -    | 134000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 7450                                                                                              | -    | 7940   | -    | 8940   | -    | 9790   | -    | 11000  | -    | 12100                                                                                                                                            | -    | 13700  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6245        | $P_i$ [kW]                | -                  | -   | 132                                                                                               | -    | 132    | -    | 120    | -    | 94.2   | -    | 75.3   | -    | 56.2                                                                                                                                             | -    | 32.1   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 11300                                                                                             | -    | 15400  | -    | 19600  | -    | 21300  | -    | 25200  | -    | 25800                                                                                                                                            | -    | 21700  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 1150                                                                                              | -    | 1570   | -    | 2000   | -    | 2170   | -    | 2570   | -    | 2630                                                                                                                                             | -    | 2210   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 81200                                                                                             | -    | 86900  | -    | 97100  | -    | 107000 | -    | 120000 | -    | 131000                                                                                                                                           | -    | 149000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 8280                                                                                              | -    | 8860   | -    | 9900   | -    | 10900  | -    | 12200  | -    | 13400                                                                                                                                            | -    | 15200  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6255        | $P_i$ [kW]                | -                  | -   | 151                                                                                               | -    | 151    | -    | 151    | -    | 118    | -    | 88.9   | -    | 64.8                                                                                                                                             | -    | 42.9   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 12900                                                                                             | -    | 17600  | -    | 24600  | -    | 26700  | -    | 29800  | -    | 29800                                                                                                                                            | -    | 29000  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 1310                                                                                              | -    | 1790   | -    | 2510   | -    | 2720   | -    | 3040   | -    | 3040                                                                                                                                             | -    | 2960   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 99600                                                                                             | -    | 107000 | -    | 118000 | -    | 131000 | -    | 147000 | -    | 161000                                                                                                                                           | -    | 182000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 10200                                                                                             | -    | 10900  | -    | 12000  | -    | 13400  | -    | 15000  | -    | 16400                                                                                                                                            | -    | 18600  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6265        | $P_i$ [kW]                | -                  | -   | 175                                                                                               | -    | 175    | -    | 172    | -    | 159    | -    | 113    | -    | 94.2                                                                                                                                             | -    | 53.4   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | 15000                                                                                             | -    | 20400  | -    | 28100  | -    | 35900  | -    | 37800  | -    | 43300                                                                                                                                            | -    | 36200  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 1530                                                                                              | -    | 2080   | -    | 2860   | -    | 3660   | -    | 3850   | -    | 4410                                                                                                                                             | -    | 3690   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | 122000                                                                                            | -    | 130000 | -    | 145000 | -    | 160000 | -    | 180000 | -    | 197000                                                                                                                                           | -    | 222000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | 12400                                                                                             | -    | 13300  | -    | 14800  | -    | 16300  | -    | 18300  | -    | 20100                                                                                                                                            | -    | 22600  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| 6275        | $P_i$ [kW]                | -                  | -   | -                                                                                                 | -    | -      | -    | -      | -    | 159    | -    | 151    | -    | 132                                                                                                                                              | -    | 53.4   | -    | CHH C-72  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [N·m]           | -                  | -   | -                                                                                                 | -    | -      | -    | -      | -    | 35900  | -    | 50500  | -    | 60600                                                                                                                                            | -    | 36200  | -    | CHF C-77  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $T_{out}$ [kgf·m]         | -                  | -   | -                                                                                                 | -    | -      | -    | -      | -    | 3660   | -    | 5150   | -    | 6180                                                                                                                                             | -    | 3690   | -    | CVW C-84  |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[N]                    | -                  | -   | -                                                                                                 | -    | -      | -    | -      | -    | 186000 | -    | 248000 | -    | 247000                                                                                                                                           | -    | 208000 | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | Pro[kgf]                  | -                  | -   | -                                                                                                 | -    | -      | -    | -      | -    | 19000  | -    | 25300  | -    | 25200                                                                                                                                            | -    | 21200  | -    |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |
| Frame Size  | Ratio[Z]                  | 6                  | 8   | 11                                                                                                | 13   | 15     | 17   | 21     | 25   | 29     | 35   | 43     | 51   | 59                                                                                                                                               | 71   | 87     | 119  | Dim. Page |                                                                                            |  |                                                                                            |  |                                                                                            |  |
|             | $n_2$ [r/min]             | 194                | 146 | 106                                                                                               | 89.6 | 77.7   | 68.5 | 55.5   | 46.6 | 40.2   | 33.3 | 27.1   | 22.8 | 19.7                                                                                                                                             | 16.4 | 13.4   | 9.79 |           |                                                                                            |  |                                                                                            |  |                                                                                            |  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

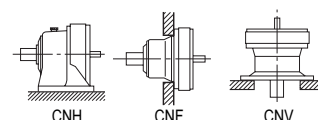
2. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

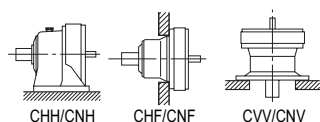
| Input Speed | $n_1 = 1450$ r/min | $n_1$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |  |  |  |  |  |  |  |  |
|-------------|--------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|--|--|--|--|--|--|
|             |                    | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  | Pro: Allowable output shaft radial load [N, kgf] |  |  |  |  |  |  |  |  |  |
|             |                    | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  | *Consult us for Pro of CNF and CHF type.         |  |  |  |  |  |  |  |  |  |
|             |                    |                                  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |



| Frame Size | $n_2$ [r/min]     | 242   | 181   | 132   | 112   | 96.7  | 85.3  | 69.0  | 58.0  | 50.0  | 41.4  | 33.7  | 28.4  | 24.6  | 20.4  | 16.7  | 12.2  | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |                                  |
| 6060       | $P_i$ [kW]        | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.183 | 0.110 | 0.110 | 0.110 | 0.089 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 7.51  | 10.0  | 13.8  | 16.3  | 18.8  | 21.3  | 24.0  | 17.2  | 20.0  | 24.0  | 24.0  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 0.766 | 1.02  | 1.41  | 1.66  | 1.92  | 2.17  | 2.45  | 1.75  | 2.04  | 2.45  | 2.45  | -     | -     | -     | -     | -     |                                  |
|            | Pro[N]            | 798   | 912   | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro[kgf]          | 81.3  | 93    | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6065       | $P_i$ [kW]        | 0.286 | 0.286 | 0.286 | 0.286 | 0.286 | 0.282 | 0.228 | 0.166 | 0.165 | 0.137 | 0.112 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 10.7  | 14.3  | 19.7  | 23.3  | 26.9  | 30.0  | 30.0  | 25.9  | 30.0  | 30.0  | 30.0  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.09  | 1.46  | 2.01  | 2.38  | 2.74  | 3.06  | 3.06  | 2.64  | 3.06  | 3.06  | 3.06  | -     | -     | -     | -     | -     |                                  |
|            | Pro[N]            | 793   | 904   | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro[kgf]          | 80.8  | 92.2  | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6070       | $P_i$ [kW]        | 0.347 | 0.347 | 0.347 | 0.347 | 0.347 | 0.347 | 0.320 | 0.230 | 0.226 | 0.205 | 0.167 | 0.100 | 0.100 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 13.0  | 17.3  | 23.9  | 28.2  | 32.5  | 36.9  | 42.1  | 35.9  | 41.0  | 45.0  | 45.0  | 31.9  | 36.9  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.33  | 1.76  | 2.44  | 2.87  | 3.31  | 3.76  | 4.29  | 3.66  | 4.18  | 4.59  | 4.59  | 3.25  | 3.76  | -     | -     | -     |                                  |
|            | Pro[N]            | 1380  | 1520  | 1690  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | -     | -     | -     |                                  |
|            | Pro[kgf]          | 141   | 155   | 172   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | -     | -     | -     |                                  |
| 6075       | $P_i$ [kW]        | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.294 | 0.286 | 0.272 | 0.223 | 0.143 | 0.136 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 15.3  | 20.4  | 28.0  | 33.1  | 38.2  | 43.3  | 53.5  | 46.0  | 52.0  | 59.6  | 60.0  | 45.7  | 50.1  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.56  | 2.08  | 2.85  | 3.37  | 3.89  | 4.41  | 5.45  | 4.69  | 5.30  | 6.08  | 6.12  | 4.66  | 5.11  | -     | -     | -     |                                  |
|            | Pro[N]            | 1370  | 1510  | 1680  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1750  | 1700  | -     | -     | -     |                                  |
|            | Pro[kgf]          | 140   | 154   | 171   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 178   | 173   | -     | -     | -     |                                  |
| 6080       | $P_i$ [kW]        | 0.592 | 0.592 | 0.592 | 0.592 | 0.592 | 0.592 | 0.478 | 0.340 | 0.340 | 0.340 | 0.250 | 0.192 | 0.185 | 0.120 | 0.090 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 22.2  | 29.6  | 40.8  | 48.2  | 55.6  | 63.0  | 62.9  | 53.2  | 61.7  | 74.5  | 67.3  | 61.3  | 68.1  | 53.3  | 49.0  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 2.26  | 3.02  | 4.16  | 4.91  | 5.67  | 6.42  | 6.41  | 5.42  | 6.29  | 7.59  | 6.86  | 6.25  | 6.94  | 5.43  | 4.99  | -     |                                  |
|            | Pro[N]            | 1910  | 2060  | 2270  | 2440  | 2510  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | -     |                                  |
|            | Pro[kgf]          | 195   | 210   | 231   | 249   | 256   | 261   | 261   | 261   | 261   | 261   | 261   | 261   | 261   | 261   | 261   | -     |                                  |
| 6085       | $P_i$ [kW]        | 0.778 | 0.778 | 0.778 | 0.778 | 0.778 | 0.778 | 0.550 | 0.475 | 0.467 | 0.412 | 0.294 | 0.241 | 0.234 | 0.202 | 0.121 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 29.2  | 38.9  | 53.5  | 63.3  | 73.0  | 82.7  | 72.3  | 74.3  | 84.8  | 90.2  | 79.1  | 76.9  | 86.2  | 89.7  | 66.0  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 2.98  | 3.97  | 5.45  | 6.45  | 7.44  | 8.43  | 7.37  | 7.57  | 8.64  | 9.19  | 8.06  | 7.84  | 8.79  | 9.14  | 6.73  | -     |                                  |
|            | Pro[N]            | 1900  | 2050  | 2250  | 2410  | 2480  | 2560  | 2560  | 2560  | 2460  | 2530  | 2550  | 2510  | 2450  | 2370  | 2560  | -     |                                  |
|            | Pro[kgf]          | 194   | 209   | 229   | 246   | 253   | 261   | 261   | 261   | 251   | 258   | 260   | 256   | 250   | 242   | 261   | -     |                                  |
| 6090       | $P_i$ [kW]        | 1.15  | 1.15  | 1.15  | 1.15  | 1.15  | 1.15  | 0.758 | 0.671 | 0.625 | 0.612 | 0.435 | 0.332 | 0.309 | 0.252 | 0.211 | 0.125 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 43.0  | 57.4  | 78.9  | 93.2  | 108   | 122   | 99.5  | 105   | 113   | 134   | 117   | 106   | 114   | 112   | 115   | 93.1  |                                  |
|            | $T_{out}$ [kgf·m] | 4.38  | 5.85  | 8.04  | 9.50  | 11.0  | 12.4  | 10.1  | 10.7  | 11.5  | 13.7  | 11.9  | 10.8  | 11.6  | 11.4  | 11.7  | 9.49  |                                  |
|            | Pro[N]            | 2810  | 3120  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3330  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  |                                  |
|            | Pro[kgf]          | 286   | 318   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 339   | 340   | 340   | 340   | 340   | 340   | 340   |                                  |
| 6095       | $P_i$ [kW]        | 1.52  | 1.52  | 1.52  | 1.52  | 1.52  | 1.52  | 1.51  | 0.866 | 0.784 | 0.758 | 0.603 | 0.407 | 0.336 | 0.278 | 0.263 | 0.145 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 56.9  | 75.8  | 104   | 123   | 142   | 161   | 198   | 136   | 142   | 166   | 162   | 130   | 124   | 124   | 143   | 108   |                                  |
|            | $T_{out}$ [kgf·m] | 5.80  | 7.73  | 10.6  | 12.5  | 14.5  | 16.4  | 20.2  | 13.9  | 14.5  | 16.9  | 16.5  | 13.3  | 12.6  | 12.6  | 14.6  | 11.0  |                                  |
|            | Pro[N]            | 2780  | 3080  | 3340  | 3340  | 3340  | 3340  | 3340  | 3310  | 3310  | 3270  | 3290  | 3320  | 3340  | 3330  | 3330  | 3310  |                                  |
|            | Pro[kgf]          | 283   | 314   | 340   | 340   | 340   | 340   | 340   | 337   | 337   | 333   | 335   | 338   | 340   | 339   | 339   | 337   |                                  |
| 6100       | $P_i$ [kW]        | 2.35  | 2.35  | 2.35  | 2.35  | 2.35  | 1.99  | 1.90  | 1.27  | 1.21  | 0.975 | 0.780 | 0.560 | 0.516 | 0.436 | 0.433 | 0.210 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 88.1  | 117   | 162   | 191   | 220   | 211   | 250   | 199   | 220   | 214   | 210   | 179   | 190   | 194   | 236   | 156   |                                  |
|            | $T_{out}$ [kgf·m] | 8.98  | 11.9  | 16.5  | 19.5  | 22.4  | 21.5  | 25.5  | 20.3  | 22.4  | 21.8  | 21.4  | 18.2  | 19.4  | 19.8  | 24.1  | 15.9  |                                  |
|            | Pro[N]            | 4090  | 4550  | 5150  | 5350  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  |                                  |
|            | Pro[kgf]          | 417   | 464   | 525   | 545   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   |                                  |
| 6105       | $P_i$ [kW]        | 3.18  | 3.18  | 3.18  | 3.18  | 3.18  | 2.46  | 2.28  | 1.67  | 1.59  | 1.20  | 1.08  | 0.776 | 0.681 | 0.506 | 0.503 | 0.286 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 119   | 159   | 219   | 259   | 298   | 261   | 300   | 262   | 288   | 262   | 292   | 248   | 251   | 225   | 274   | 213   |                                  |
|            | $T_{out}$ [kgf·m] | 12.1  | 16.2  | 22.3  | 26.4  | 30.4  | 26.6  | 30.6  | 26.7  | 29.4  | 26.7  | 29.8  | 25.3  | 25.6  | 22.9  | 27.9  | 21.7  |                                  |
|            | Pro[N]            | 4050  | 4490  | 5080  | 5270  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5380  |                                  |
|            | Pro[kgf]          | 413   | 458   | 518   | 537   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 548   |                                  |
| 6110       | $P_i$ [kW]        | 3.55  | 3.55  | 3.55  | 3.55  | 3.55  | 3.18  | 2.72  | 1.91  | 1.90  | 1.50  | 1.30  | 0.944 | 0.859 | 0.669 | 0.661 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 133   | 178   | 244   | 289   | 333   | 338   | 358   | 299   | 346   | 329   | 350   | 301   | 317   | 297   | 360   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 13.6  | 18.1  | 24.9  | 29.5  | 33.9  | 34.5  | 36.5  | 30.5  | 35.3  | 33.5  | 35.7  | 30.7  | 32.3  | 30.3  | 36.7  | -     |                                  |
|            | Pro[N]            | 4590  | 5100  | 5790  | 5970  | 6350  | 6440  | 6850  | 7060  | 7210  | 7310  | 7600  | 7610  | 7610  | 7610  | 7600  | -     |                                  |
|            | Pro[kgf]          | 468   | 520   | 590   | 609   | 647   | 656   | 698   | 720   | 735   | 745   | 775   | 776   | 776   | 776   | 775   | -     |                                  |
| 6115       | $P_i$ [kW]        | 3.92  | 3.92  | 3.92  | 3.90  | 3.90  | 3.90  | 3.11  | 2.22  | 2.22  | 1.81  | 1.52  | 1.11  | 1.01  | 0.758 | 0.758 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 147   | 196   | 270   | 317   | 366   | 415   | 409   | 348   | 403   | 396   | 408   | 355   | 373   | 337   | 412   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 15.0  | 20.0  | 27.5  | 32.3  | 37.3  | 42.3  | 41.7  | 35.5  | 41.1  | 40.4  | 41.6  | 36.2  | 38.0  | 34.4  | 42.0  | -     |                                  |
|            | Pro[N]            | 4570  | 5070  | 5760  | 5940  | 6310  | 6360  | 6790  | 7010  | 7160  | 7240  | 7540  | 7600  | 7610  | 7600  | 7550  | -     |                                  |
|            | Pro[kgf]          | 466   | 517   | 587   | 606   | 643   | 648   | 692   | 715   | 730   | 738   | 769   | 775   | 776   | 775   | 770   | -     |                                  |
| 6120       | $P_i$ [kW]        | 5.07  | 5.07  | 5.07  | 5.07  | 5.07  | 4.89  | 3.96  | 3.09  | 2.87  | 2.37  | 1.91  | 1.63  | 1.30  | 0.957 | 0.944 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 190   | 254   | 349   | 412   | 476   | 520   | 520   | 483   | 520   | 520   |       |       |       |       |       |       |                                  |

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

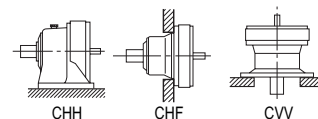
Input Speed  $n_1 = 1450$  r/min

| Frame Size | $n_2$ [r/min]     | 242   | 181   | 132   | 112   | 96.7  | 85.3  | 69.0  | 58.0  | 50.0  | 41.4  | 33.7  | 28.4  | 24.6  | 20.4  | 16.7  | 12.2 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P$ [kW]          | 6.96  | 6.95  | 5.92  | 5.92  | 5.92  | 5.66  | 4.79  | 3.96  | 3.47  | 2.88  | 2.34  | 1.97  | 1.62  | 1.14  | 1.03  | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 261   | 348   | 407   | 482   | 556   | 602   | 630   | 619   | 630   | 630   | 630   | 630   | 598   | 506   | 559   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 26.6  | 35.5  | 41.5  | 49.1  | 56.7  | 61.4  | 64.2  | 63.1  | 64.2  | 64.2  | 64.2  | 64.2  | 61.0  | 51.6  | 57.0  | -    |                                  |
|            | Pro [N]           | 5080  | 5640  | 6420  | 6600  | 7060  | 7130  | 7870  | 8310  | 8680  | 9220  | 9810  | 9810  | 9810  | 9810  | 9710  | -    |                                  |
|            | Pro [kgf]         | 518   | 575   | 654   | 673   | 720   | 727   | 802   | 847   | 885   | 940   | 1000  | 1000  | 1000  | 1000  | 990   | -    |                                  |
| 6130       | $P$ [kW]          | 9.39  | 9.39  | 9.39  | 9.39  | 7.78  | 7.27  | 5.94  | 4.99  | 4.30  | 3.56  | 2.90  | 2.44  | 2.11  | 1.76  | 1.42  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 353   | 470   | 646   | 764   | 731   | 774   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 780   | 772   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 36.0  | 47.9  | 65.9  | 77.9  | 74.5  | 78.9  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 78.7  | -    |                                  |
|            | Pro [N]           | 5910  | 6560  | 7460  | 7740  | 7980  | 8570  | 9220  | 9640  | 10200 | 10800 | 11600 | 12200 | 12800 | 13600 | 14700 | -    |                                  |
|            | Pro [kgf]         | 602   | 669   | 760   | 789   | 813   | 874   | 940   | 983   | 1040  | 1100  | 1180  | 1240  | 1300  | 1390  | 1500  | -    |                                  |
| 6135       | $P$ [kW]          | 11.3  | 11.3  | 11.3  | 10.2  | 8.97  | 8.29  | 6.72  | 5.75  | 4.88  | 4.11  | 3.35  | 2.55  | 2.44  | 2.03  | 1.65  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 424   | 566   | 778   | 832   | 842   | 882   | 883   | 900   | 886   | 900   | 900   | 813   | 900   | 900   | 900   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 43.2  | 57.7  | 79.3  | 84.8  | 85.8  | 89.9  | 90.0  | 91.7  | 90.3  | 91.7  | 91.7  | 82.9  | 91.7  | 91.7  | 91.7  | -    |                                  |
|            | Pro [N]           | 5830  | 6470  | 7340  | 7680  | 7890  | 8490  | 9140  | 9550  | 10100 | 10700 | 11500 | 12100 | 12700 | 13600 | 14700 | -    |                                  |
|            | Pro [kgf]         | 594   | 660   | 748   | 783   | 804   | 865   | 932   | 973   | 1030  | 1090  | 1170  | 1230  | 1290  | 1390  | 1500  | -    |                                  |
| 6140       | $P$ [kW]          | 13.0  | 13.0  | 13.0  | 13.0  | 12.0  | 10.1  | 8.66  | 6.89  | 5.95  | 5.21  | 3.94  | 3.43  | 2.96  | 2.43  | 1.98  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 489   | 652   | 896   | 1060  | 1130  | 1070  | 1140  | 1080  | 1080  | 1140  | 1060  | 1090  | 1090  | 1080  | 1080  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 49.8  | 66.5  | 91.3  | 108   | 115   | 109   | 116   | 110   | 110   | 116   | 108   | 111   | 111   | 110   | 110   | -    |                                  |
|            | Pro [N]           | 9230  | 10200 | 11400 | 11700 | 12200 | 12800 | 13700 | 14500 | 14800 | 15900 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 941   | 1040  | 1160  | 1190  | 1240  | 1300  | 1400  | 1480  | 1510  | 1620  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P$ [kW]          | 15.1  | 15.1  | 15.1  | 15.1  | 14.5  | 12.0  | 9.49  | 7.91  | 7.53  | 6.26  | 4.67  | 3.70  | 3.18  | 2.62  | 2.16  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 569   | 758   | 1040  | 1230  | 1360  | 1280  | 1250  | 1240  | 1370  | 1370  | 1260  | 1180  | 1170  | 1160  | 1170  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 58.0  | 77.3  | 106   | 125   | 139   | 130   | 127   | 126   | 140   | 140   | 128   | 120   | 119   | 118   | 119   | -    |                                  |
|            | Pro [N]           | 9200  | 10200 | 11400 | 11600 | 12100 | 12800 | 13700 | 14400 | 14700 | 15800 | 16000 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro [kgf]         | 938   | 1040  | 1160  | 1180  | 1230  | 1300  | 1400  | 1470  | 1500  | 1610  | 1630  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P$ [kW]          | 20.3  | 19.7  | 19.7  | 19.7  | 18.7  | 13.1  | 12.9  | 9.86  | 9.56  | 8.01  | 6.45  | 5.50  | 4.42  | 3.47  | 3.22  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 762   | 986   | 1360  | 1600  | 1760  | 1390  | 1700  | 1540  | 1740  | 1760  | 1740  | 1760  | 1630  | 1540  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 77.7  | 101   | 139   | 163   | 179   | 142   | 173   | 157   | 177   | 179   | 177   | 179   | 166   | 157   | 179   | -    |                                  |
|            | Pro [N]           | 10100 | 11300 | 12700 | 13200 | 14000 | 14800 | 15800 | 16700 | 17300 | 18500 | 19900 | 20800 | 22100 | 22100 | 22100 | -    |                                  |
|            | Pro [kgf]         | 1030  | 1150  | 1290  | 1350  | 1430  | 1510  | 1610  | 1700  | 1760  | 1890  | 2030  | 2120  | 2250  | 2250  | 2250  | -    |                                  |
| 6165       | $P$ [kW]          | 24.1  | 24.1  | 24.1  | 22.6  | 22.4  | 18.8  | 16.0  | 13.4  | 11.4  | 9.59  | 7.81  | 6.58  | 5.69  | 4.73  | 3.77  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 903   | 1200  | 1660  | 1840  | 2100  | 2000  | 2100  | 2100  | 2070  | 2100  | 2100  | 2100  | 2100  | 2100  | 2050  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 92.0  | 122   | 169   | 188   | 214   | 204   | 214   | 214   | 211   | 214   | 214   | 214   | 214   | 214   | 209   | -    |                                  |
|            | Pro [N]           | 9990  | 11100 | 12500 | 13100 | 13800 | 14300 | 15500 | 16300 | 17100 | 18300 | 19600 | 20600 | 22100 | 22100 | 21800 | -    |                                  |
|            | Pro [kgf]         | 1020  | 1130  | 1270  | 1340  | 1410  | 1460  | 1580  | 1660  | 1740  | 1870  | 2000  | 2100  | 2250  | 2250  | 2220  | -    |                                  |
| 6170       | $P$ [kW]          | 27.6  | 27.6  | 27.6  | 27.3  | 25.5  | 19.7  | 18.6  | 15.6  | 13.5  | 11.2  | 9.08  | 7.66  | 6.62  | 5.50  | 4.57  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1040  | 1380  | 1900  | 2220  | 2390  | 2090  | 2440  | 2440  | 2440  | 2440  | 2440  | 2440  | 2440  | 2450  | 2490  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 106   | 141   | 194   | 226   | 244   | 213   | 249   | 249   | 249   | 249   | 249   | 249   | 249   | 250   | 254   | -    |                                  |
|            | Pro [N]           | 11300 | 12500 | 14200 | 14700 | 15400 | 16400 | 17700 | 18500 | 19500 | 20800 | 22300 | 23400 | 24600 | 26200 | 28100 | -    |                                  |
|            | Pro [kgf]         | 1150  | 1270  | 1450  | 1500  | 1570  | 1670  | 1800  | 1890  | 1990  | 2120  | 2270  | 2390  | 2510  | 2670  | 2860  | -    |                                  |
| 6175       | $P$ [kW]          | 30.1  | 30.1  | 30.1  | 30.1  | 30.1  | 24.1  | 23.6  | 19.5  | 17.4  | 14.4  | 11.3  | 9.87  | 8.29  | 6.98  | 5.62  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 1130  | 1510  | 2070  | 2450  | 2820  | 2560  | 3100  | 3050  | 3150  | 3150  | 3040  | 3150  | 3060  | 3100  | 3060  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 115   | 154   | 211   | 250   | 287   | 261   | 316   | 311   | 321   | 321   | 310   | 321   | 312   | 316   | 312   | -    |                                  |
|            | Pro [N]           | 11300 | 12400 | 14100 | 14600 | 15100 | 16100 | 17300 | 18100 | 19200 | 20500 | 22000 | 23000 | 24300 | 25800 | 27800 | -    |                                  |
|            | Pro [kgf]         | 1150  | 1260  | 1440  | 1490  | 1540  | 1640  | 1760  | 1850  | 1960  | 2090  | 2240  | 2340  | 2480  | 2630  | 2830  | -    |                                  |
| 6180       | $P$ [kW]          | -     | -     | 35.2  | 35.2  | 32.4  | 30.6  | 30.0  | 24.1  | 19.5  | 18.5  | 15.1  | 12.0  | 9.75  | 8.80  | 7.15  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2420  | 2860  | 3040  | 3250  | 3940  | 3760  | 3540  | 4050  | 4050  | 3830  | 3600  | 3910  | 3890  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 247   | 292   | 310   | 331   | 402   | 383   | 361   | 413   | 413   | 390   | 367   | 399   | 397   | -    |                                  |
|            | Pro [N]           | -     | -     | 19100 | 19800 | 20800 | 22000 | 23600 | 24700 | 26100 | 27800 | 29900 | 31200 | 32800 | 34900 | 37700 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 1950  | 2020  | 2120  | 2240  | 2410  | 2520  | 2660  | 2830  | 3050  | 3180  | 3340  | 3560  | 3840  | -    |                                  |
| 6185       | $P$ [kW]          | -     | -     | 39.0  | 39.0  | 39.0  | 38.2  | 38.1  | 30.1  | 24.1  | 22.6  | 18.6  | 15.1  | 12.0  | 9.79  | 8.59  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2680  | 3170  | 3660  | 4060  | 5000  | 4710  | 4360  | 4950  | 5000  | 4810  | 4430  | 4350  | 4680  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 273   | 323   | 373   | 414   | 510   | 480   | 444   | 505   | 510   | 490   | 452   | 443   | 477   | -    |                                  |
|            | Pro [N]           | -     | -     | 19000 | 19600 | 20500 | 21600 | 23200 | 24400 | 25800 | 27500 | 29500 | 30900 | 32500 | 34800 | 37400 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 1940  | 2000  | 2090  | 2200  | 2360  | 2490  | 2630  | 2800  | 3010  | 3150  | 3310  | 3550  | 3810  | -    |                                  |
| 6190       | $P$ [kW]          | -     | -     | 41.0  | 41.0  | 41.0  | 41.0  | 41.0  | 35.2  | 30.7  | 24.3  | 20.9  | 18.2  | 15.3  | 13.5  | 11.7  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2820  | 3330  | 3850  | 4360  | 5390  | 5500  | 5570  | 5320  | 5640  | 5800  | 5640  | 6000  | 6380  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 287   | 339   | 392   | 444   | 549   | 561   | 568   | 542   | 575   | 591   | 575   | 612   | 650   | -    |                                  |
|            | Pro [N]           | -     | -     | 26900 | 27800 | 29200 | 30700 | 33000 | 34700 | 36500 | 38800 | 41800 | 43700 | 46000 | 48800 | 52600 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2740  | 2830  | 2980  | 3130  | 3360  | 3540  | 3720  | 3960  | 4260  | 4450  | 4690  | 4970  | 5360  | -    |                                  |
| 6195       | $P$ [kW]          | -     | -     | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 40.5  | 37.8  | 30.1  | 27.1  | 20.9  | 18.8  | 15.6  | 13.6  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 3310  | 3910  | 4510  | 5120  | 6320  | 6330  | 6860  | 6600  | 7300  | 6680  | 6950  | 6930  | 7420  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 337   | 399   | 460   | 522   | 644   | 645   | 699   | 673   | 744   | 681   | 708   | 706   | 756   | -    |                                  |
|            | Pro [N]           | -     | -     | 26700 | 27600 | 28900 | 30500 | 32700 | 34400 | 36200 | 38400 | 41400 | 43500 | 45700 | 48500 | 52300 | -    |                                  |
|            | Pro [kgf]         | -     | -     | 2720  | 2810  | 2950  | 3110  | 3330  | 3510  | 3690  | 3910  | 4220  | 4430  | 4660  | 4940  | 5330  | -    |                                  |
| Frame Size | Ratio[Z]          | 6     | 8     | 11    | 13    | 1     |       |       |       |       |       |       |       |       |       |       |      |                                  |

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

|             |                    |                                  |                                                  |
|-------------|--------------------|----------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 1450$ r/min | $n_1$ : Input Speed [r/min]      | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                    | $n_2$ : Output Speed [r/min]     | Pro: Allowable output shaft radial load [N, kgf] |
|             |                    | $P$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |
|             |                    |                                  |                                                  |



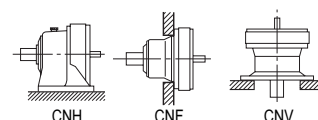
| Frame Size | $n_2$ [r/min]     | 242 | 181 | 132   | 112 | 96.7  | 85.3 | 69.0  | 58.0 | 50.0  | 41.4 | 33.7  | 28.4 | 24.6  | 20.4 | 16.7   | 12.2 | Dim. Page                        |
|------------|-------------------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|----------------------------------|
|            | Ratio[Z]          | 6   | 8   | 11    | 13  | 15    | 17   | 21    | 25   | 29    | 35   | 43    | 51   | 59    | 71   | 87     | 119  |                                  |
| 6205       | $P_1$ [kW]        | -   | -   | 59.7  | -   | 59.7  | -    | 59.2  | -    | 45.7  | -    | 31.8  | -    | 22.6  | -    | 15.9   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 4110  | -   | 5600  | -    | 7780  | -    | 8280  | -    | 8550  | -    | 8340  | -    | 8650   | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 419   | -   | 571   | -    | 793   | -    | 844   | -    | 872   | -    | 850   | -    | 882    | -    |                                  |
|            | Pro [N]           | -   | -   | 51700 | -   | 55400 | -    | 61800 | -    | 67500 | -    | 76500 | -    | 83500 | -    | 84100  | -    |                                  |
| 6215       | $P_1$ [kW]        | -   | -   | 75.3  | -   | 75.3  | -    | 75.3  | -    | 58.5  | -    | 45.2  | -    | 33.9  | -    | 19.7   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 5190  | -   | 7070  | -    | 9900  | -    | 10600 | -    | 12200 | -    | 12500 | -    | 10700  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 529   | -   | 721   | -    | 1010  | -    | 1080  | -    | 1240  | -    | 1270  | -    | 1090   | -    |                                  |
|            | Pro [N]           | -   | -   | 52000 | -   | 55700 | -    | 62600 | -    | 68300 | -    | 77200 | -    | 84200 | -    | 95400  | -    |                                  |
| 6225       | $P_1$ [kW]        | -   | -   | 99.5  | -   | 99.5  | -    | 94.2  | -    | 75.3  | -    | 56.5  | -    | 39.3  | -    | 26.7   | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | 6850  | -   | 9330  | -    | 12400 | -    | 13700 | -    | 15200 | -    | 14500 | -    | 14600  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | 698   | -   | 951   | -    | 1260  | -    | 1400  | -    | 1550  | -    | 1480  | -    | 1490   | -    |                                  |
|            | Pro [N]           | -   | -   | 54800 | -   | 59000 | -    | 65700 | -    | 71800 | -    | 81300 | -    | 89000 | -    | 100000 | -    |                                  |
| 6235       | $P_1$ [kW]        | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | Pro [N]           | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
| 6245       | $P_1$ [kW]        | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | Pro [N]           | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
| 6255       | $P_1$ [kW]        | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | Pro [N]           | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
| 6265       | $P_1$ [kW]        | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | Pro [N]           | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
| 6275       | $P_1$ [kW]        | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | $T_{out}$ [kgf·m] | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
|            | Pro [N]           | -   | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    |                                  |
| Frame Size | Ratio[Z]          | 6   | 8   | 11    | 13  | 15    | 17   | 21    | 25   | 29    | 35   | 43    | 51   | 59    | 71   | 87     | 119  | Dim. Page                        |
|            | $n_2$ [r/min]     | 242 | 181 | 132   | 112 | 96.7  | 85.3 | 69.0  | 58.0 | 50.0  | 41.4 | 33.7  | 28.4 | 24.6  | 20.4 | 16.7   | 12.2 |                                  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.  
 2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

| Input Speed | $n_1 = 1750$ r/min | $n_2$ : Input Speed [r/min]      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $T_{out}$ : Allowable output torque [N·m, kgf·m] |  |  |  |
|-------------|--------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|
|             |                    | $n_2$ : Output Speed [r/min]     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Pro: Allowable output shaft radial load [N, kgf] |  |  |  |
|             |                    | $P$ : Allowable input power [kW] |  |  |  |  |  |  |  |  |  |  |  |  |  |  | *Consult us for Pro of CNF and CHF type.         |  |  |  |
|             |                    |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |

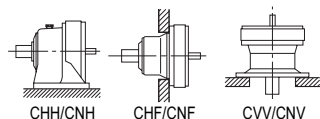


| Frame Size | $n_2$ [r/min]     | 292   | 219   | 159   | 135   | 117   | 103   | 83.3  | 70.0  | 60.3  | 50.0  | 40.7  | 34.3  | 29.7  | 24.6  | 20.1  | 14.7  | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119   |                                  |
| 6060       | $P_i$ [kW]        | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.110 | 0.110 | 0.110 | 0.090 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 6.22  | 8.29  | 11.4  | 13.5  | 15.6  | 17.6  | 21.8  | 14.3  | 16.5  | 20.0  | 20.1  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 0.634 | 0.845 | 1.16  | 1.38  | 1.59  | 1.79  | 2.22  | 1.46  | 1.68  | 2.04  | 2.05  | -     | -     | -     | -     | -     |                                  |
|            | Pro [N]           | 751   | 859   | 1170  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro [kgf]         | 76.6  | 88    | 119   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6065       | $P_i$ [kW]        | 0.286 | 0.286 | 0.286 | 0.286 | 0.286 | 0.286 | 0.234 | 0.166 | 0.166 | 0.143 | 0.113 | -     | -     | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 8.91  | 11.9  | 16.3  | 19.3  | 22.3  | 25.2  | 25.4  | 21.5  | 24.9  | 26.0  | 25.2  | -     | -     | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 0.908 | 1.21  | 1.66  | 1.97  | 2.27  | 2.57  | 2.59  | 2.19  | 2.54  | 2.65  | 2.57  | -     | -     | -     | -     | -     |                                  |
|            | Pro [N]           | 747   | 852   | 1150  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | -     | -     | -     | -     |                                  |
|            | Pro [kgf]         | 76.1  | 86.9  | 117   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | -     | -     | -     | -     |                                  |
| 6070       | $P_i$ [kW]        | 0.347 | 0.347 | 0.347 | 0.347 | 0.347 | 0.347 | 0.320 | 0.230 | 0.226 | 0.211 | 0.170 | 0.100 | 0.100 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 10.8  | 14.4  | 19.8  | 23.4  | 27.0  | 30.5  | 34.9  | 29.8  | 34.0  | 38.3  | 37.8  | 26.4  | 30.6  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.10  | 1.47  | 2.02  | 2.39  | 2.75  | 3.11  | 3.56  | 3.04  | 3.47  | 3.90  | 3.85  | 2.69  | 3.12  | -     | -     | -     |                                  |
|            | Pro [N]           | 1300  | 1430  | 1600  | 1690  | 1690  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | -     | -     | -     |                                  |
|            | Pro [kgf]         | 133   | 146   | 163   | 172   | 172   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | -     | -     | -     |                                  |
| 6075       | $P_i$ [kW]        | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.407 | 0.294 | 0.286 | 0.279 | 0.226 | 0.143 | 0.136 | -     | -     | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 12.7  | 16.9  | 23.2  | 27.4  | 31.6  | 35.9  | 44.3  | 38.1  | 43.0  | 50.6  | 50.4  | 37.9  | 41.5  | -     | -     | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.29  | 1.72  | 2.36  | 2.79  | 3.22  | 3.66  | 4.52  | 3.88  | 4.38  | 5.16  | 5.14  | 3.86  | 4.23  | -     | -     | -     |                                  |
|            | Pro [N]           | 1290  | 1420  | 1590  | 1670  | 1680  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | -     | -     | -     |                                  |
|            | Pro [kgf]         | 131   | 145   | 162   | 170   | 171   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | -     | -     | -     |                                  |
| 6080       | $P_i$ [kW]        | 0.592 | 0.592 | 0.592 | 0.592 | 0.592 | 0.592 | 0.478 | 0.340 | 0.340 | 0.340 | 0.250 | 0.192 | 0.185 | 0.120 | 0.090 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 18.4  | 24.6  | 33.8  | 39.9  | 46.1  | 52.2  | 52.1  | 44.1  | 51.1  | 61.7  | 55.7  | 50.8  | 56.5  | 44.2  | 40.6  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 1.88  | 2.51  | 3.45  | 4.07  | 4.70  | 5.32  | 5.31  | 4.50  | 5.21  | 6.29  | 5.68  | 5.18  | 5.76  | 4.51  | 4.14  | -     |                                  |
|            | Pro [N]           | 1800  | 1940  | 2140  | 2300  | 2370  | 2480  | 2440  | 2530  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | 2560  | -     |                                  |
|            | Pro [kgf]         | 183   | 198   | 218   | 234   | 242   | 253   | 249   | 258   | 261   | 261   | 261   | 261   | 261   | 261   | 261   | -     |                                  |
| 6085       | $P_i$ [kW]        | 0.778 | 0.778 | 0.778 | 0.778 | 0.778 | 0.778 | 0.550 | 0.475 | 0.467 | 0.467 | 0.294 | 0.241 | 0.234 | 0.202 | 0.121 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 24.2  | 32.3  | 44.4  | 52.4  | 60.5  | 68.5  | 59.9  | 61.5  | 70.2  | 84.8  | 65.5  | 63.7  | 71.4  | 74.4  | 54.7  | -     |                                  |
|            | $T_{out}$ [kgf·m] | 2.47  | 3.29  | 4.53  | 5.34  | 6.17  | 6.98  | 6.11  | 6.27  | 7.16  | 8.64  | 6.68  | 6.49  | 7.28  | 7.58  | 5.58  | -     |                                  |
|            | Pro [N]           | 1790  | 1930  | 2120  | 2280  | 2350  | 2450  | 2430  | 2500  | 2550  | 2560  | 2560  | 2560  | 2560  | 2500  | 2560  | -     |                                  |
|            | Pro [kgf]         | 182   | 197   | 216   | 232   | 240   | 250   | 248   | 255   | 260   | 261   | 261   | 261   | 261   | 255   | 261   | -     |                                  |
| 6090       | $P_i$ [kW]        | 1.15  | 1.15  | 1.15  | 1.15  | 1.15  | 1.15  | 0.758 | 0.671 | 0.625 | 0.612 | 0.435 | 0.332 | 0.309 | 0.252 | 0.211 | 0.125 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 35.7  | 47.5  | 65.4  | 77.3  | 89.1  | 101   | 82.5  | 86.9  | 94.0  | 111   | 97.0  | 87.7  | 94.5  | 92.6  | 95.3  | 77.1  |                                  |
|            | $T_{out}$ [kgf·m] | 3.64  | 4.84  | 6.67  | 7.88  | 9.08  | 10.3  | 8.41  | 8.86  | 9.58  | 11.3  | 9.89  | 8.94  | 9.63  | 9.44  | 9.71  | 7.86  |                                  |
|            | Pro [N]           | 2650  | 2950  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  |                                  |
|            | Pro [kgf]         | 270   | 301   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 340   |                                  |
| 6095       | $P_i$ [kW]        | 1.52  | 1.52  | 1.52  | 1.52  | 1.52  | 1.52  | 1.52  | 0.866 | 0.784 | 0.758 | 0.603 | 0.422 | 0.373 | 0.301 | 0.301 | 0.151 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 47.1  | 62.8  | 86.4  | 102   | 118   | 134   | 165   | 112   | 118   | 137   | 134   | 112   | 114   | 111   | 136   | 93.0  |                                  |
|            | $T_{out}$ [kgf·m] | 4.80  | 6.40  | 8.81  | 10.4  | 12.0  | 13.7  | 16.8  | 11.4  | 12.0  | 14.0  | 13.7  | 11.4  | 11.6  | 11.3  | 13.9  | 9.48  |                                  |
|            | Pro [N]           | 2630  | 2910  | 3300  | 3300  | 3280  | 3290  | 3260  | 3340  | 3340  | 3320  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  |                                  |
|            | Pro [kgf]         | 268   | 297   | 336   | 336   | 334   | 335   | 332   | 340   | 340   | 338   | 340   | 340   | 340   | 340   | 340   | 340   |                                  |
| 6100       | $P_i$ [kW]        | 2.35  | 2.35  | 2.35  | 2.35  | 2.35  | 1.99  | 1.93  | 1.27  | 1.21  | 0.975 | 0.780 | 0.560 | 0.516 | 0.436 | 0.433 | 0.210 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 73.0  | 97.4  | 134   | 158   | 183   | 175   | 210   | 165   | 182   | 177   | 174   | 148   | 158   | 160   | 195   | 130   |                                  |
|            | $T_{out}$ [kgf·m] | 7.44  | 9.93  | 13.7  | 16.1  | 18.7  | 17.8  | 21.4  | 16.8  | 18.6  | 18.0  | 17.7  | 15.1  | 16.1  | 16.3  | 19.9  | 13.3  |                                  |
|            | Pro [N]           | 3850  | 4290  | 4860  | 5050  | 5330  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  |                                  |
|            | Pro [kgf]         | 392   | 437   | 495   | 515   | 543   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   |                                  |
| 6105       | $P_i$ [kW]        | 3.18  | 3.18  | 3.18  | 3.18  | 3.18  | 2.46  | 2.34  | 1.67  | 1.59  | 1.20  | 1.08  | 0.776 | 0.708 | 0.561 | 0.565 | 0.286 | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 98.9  | 132   | 181   | 214   | 247   | 216   | 254   | 217   | 239   | 217   | 242   | 205   | 217   | 207   | 255   | 177   |                                  |
|            | $T_{out}$ [kgf·m] | 10.1  | 13.5  | 18.5  | 21.8  | 25.2  | 22.0  | 25.9  | 22.1  | 24.4  | 22.1  | 24.7  | 20.9  | 22.1  | 21.1  | 26.0  | 18.0  |                                  |
|            | Pro [N]           | 3820  | 4240  | 4800  | 4980  | 5250  | 5380  | 5380  | 5380  | 5380  | 5380  | 5380  | 5380  | 5380  | 5400  | 5400  | 5400  |                                  |
|            | Pro [kgf]         | 389   | 432   | 489   | 508   | 535   | 548   | 548   | 548   | 548   | 548   | 548   | 548   | 548   | 550   | 550   | 550   |                                  |
| 6110       | $P_i$ [kW]        | 3.55  | 3.55  | 3.55  | 3.55  | 3.55  | 3.18  | 2.72  | 1.91  | 1.90  | 1.50  | 1.30  | 0.944 | 0.859 | 0.669 | 0.661 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 110   | 147   | 202   | 239   | 276   | 280   | 297   | 248   | 286   | 273   | 290   | 249   | 263   | 246   | 298   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 11.2  | 15.0  | 20.6  | 24.4  | 28.1  | 28.5  | 30.3  | 25.3  | 29.2  | 27.8  | 29.6  | 25.4  | 26.8  | 25.1  | 30.4  | -     |                                  |
|            | Pro [N]           | 4320  | 4810  | 5470  | 5650  | 6010  | 6090  | 6470  | 6660  | 6840  | 7360  | 7610  | 7610  | 7610  | 7610  | 7610  | -     |                                  |
|            | Pro [kgf]         | 440   | 490   | 558   | 576   | 613   | 621   | 660   | 679   | 697   | 750   | 776   | 776   | 776   | 776   | 776   | -     |                                  |
| 6115       | $P_i$ [kW]        | 3.92  | 3.92  | 3.92  | 3.90  | 3.90  | 3.90  | 3.11  | 2.22  | 2.22  | 1.81  | 1.52  | 1.11  | 1.01  | 0.758 | 0.758 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 122   | 163   | 223   | 263   | 303   | 344   | 339   | 288   | 334   | 328   | 338   | 294   | 309   | 279   | 342   | -     |                                  |
|            | $T_{out}$ [kgf·m] | 12.4  | 16.6  | 22.7  | 26.8  | 30.9  | 35.1  | 34.6  | 29.4  | 34.0  | 33.4  | 34.5  | 30.0  | 31.5  | 28.4  | 34.9  | -     |                                  |
|            | Pro [N]           | 4310  | 4790  | 5450  | 5620  | 5970  | 6020  | 6430  | 6620  | 6800  | 7310  | 7610  | 7610  | 7610  | 7610  | 7610  | -     |                                  |
|            | Pro [kgf]         | 439   | 488   | 556   | 573   | 609   | 614   | 655   | 675   | 693   | 745   | 776   | 776   | 776   | 776   | 776   | -     |                                  |
| 6120       | $P_i$ [kW]        | 5.07  | 5.07  | 5.07  | 5.07  | 5.07  | 5.07  | 3.96  | 3.09  | 2.99  | 2.49  | 1.91  | 1.72  | 1.30  | 0.957 | 0.944 | -     | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 158   | 210   | 289   | 34    |       |       |       |       |       |       |       |       |       |       |       |       |                                  |



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195



$n_1$ : Input Speed [r/min]  $T_{out}$ : Allowable output torque [N·m, kgf·m]  
 $n_2$ : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]  
 $P$ : Allowable input power [kW] \*Consult us for Pro of CNF and CHF type.

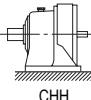
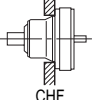
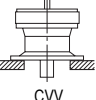
Input Speed  $n_1 = 1750$  r/min

| Frame Size | $n_2$ [r/min]     | 292   | 219   | 159   | 135   | 117   | 103   | 83.3  | 70.0  | 60.3  | 50.0  | 40.7  | 34.3  | 29.7  | 24.6  | 20.1  | 14.7 | Dim. Page                        |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------------------|
|            | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  |                                  |
| 6125       | $P_i$ [kW]        | 5.81  | 6.95  | 5.92  | 5.92  | 5.92  | 5.66  | 4.88  | 3.96  | 3.77  | 3.18  | 2.38  | 2.28  | 1.62  | 1.20  | 1.13  | -    | CNH C-71<br>CNF C-76<br>CNV C-82 |
|            | $T_{out}$ [N·m]   | 181   | 288   | 338   | 399   | 460   | 499   | 532   | 513   | 566   | 577   | 531   | 602   | 495   | 441   | 510   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 18.5  | 29.4  | 34.5  | 40.7  | 46.9  | 50.9  | 54.2  | 52.3  | 57.7  | 58.8  | 54.1  | 61.4  | 50.5  | 45.0  | 52.0  | -    |                                  |
|            | Pro[N]            | 4840  | 5340  | 6080  | 6250  | 6700  | 6760  | 7450  | 7870  | 8170  | 8670  | 9340  | 9740  | 9790  | 9790  | 9810  | -    |                                  |
|            | Pro[kgf]          | 493   | 544   | 620   | 637   | 683   | 689   | 759   | 802   | 833   | 884   | 952   | 993   | 998   | 998   | 1000  | -    |                                  |
| 6130       | $P_i$ [kW]        | 9.39  | 9.39  | 9.39  | 9.39  | 7.78  | 7.27  | 6.14  | 5.16  | 4.48  | 3.71  | 2.99  | 2.54  | 2.19  | 1.83  | 1.42  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 292   | 389   | 535   | 633   | 605   | 641   | 669   | 669   | 674   | 673   | 668   | 672   | 669   | 674   | 640   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 29.8  | 39.7  | 54.5  | 64.5  | 61.7  | 65.3  | 68.2  | 68.2  | 68.7  | 68.6  | 68.1  | 68.5  | 68.2  | 68.7  | 65.2  | -    |                                  |
|            | Pro[N]            | 5590  | 6210  | 7060  | 7330  | 7550  | 8120  | 8710  | 9100  | 9610  | 10200 | 11000 | 11500 | 12100 | 12900 | 13900 | -    |                                  |
|            | Pro[kgf]          | 570   | 633   | 720   | 747   | 770   | 828   | 888   | 928   | 980   | 1040  | 1120  | 1170  | 1230  | 1310  | 1420  | -    |                                  |
| 6135       | $P_i$ [kW]        | 11.3  | 11.3  | 11.3  | 11.3  | 8.97  | 8.29  | 7.53  | 5.95  | 5.64  | 4.25  | 3.77  | 2.93  | 2.52  | 2.17  | 1.91  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 352   | 469   | 645   | 762   | 697   | 730   | 820   | 771   | 848   | 771   | 840   | 775   | 772   | 799   | 861   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 35.9  | 47.8  | 65.7  | 77.7  | 71.0  | 74.4  | 83.6  | 78.6  | 86.4  | 78.6  | 85.6  | 79.0  | 78.7  | 81.4  | 87.8  | -    |                                  |
|            | Pro[N]            | 5520  | 6140  | 6970  | 7230  | 7480  | 8050  | 8590  | 9030  | 9480  | 10100 | 10800 | 11400 | 12000 | 12800 | 13800 | -    |                                  |
|            | Pro[kgf]          | 563   | 626   | 710   | 737   | 762   | 821   | 876   | 920   | 966   | 1030  | 1100  | 1160  | 1220  | 1300  | 1410  | -    |                                  |
| 6140       | $P_i$ [kW]        | 13.0  | 13.0  | 13.0  | 13.0  | 12.0  | 10.1  | 8.66  | 6.89  | 5.95  | 5.21  | 3.94  | 3.43  | 2.96  | 2.43  | 1.98  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 405   | 540   | 743   | 878   | 933   | 888   | 943   | 893   | 895   | 945   | 879   | 906   | 905   | 895   | 893   | -    |                                  |
|            | $T_{out}$ [kgf·m] | 41.3  | 55.0  | 75.7  | 89.5  | 95.1  | 90.5  | 96.1  | 91.0  | 91.2  | 96.3  | 89.6  | 92.4  | 92.3  | 91.2  | 91.0  | -    |                                  |
|            | Pro[N]            | 8750  | 9690  | 10900 | 11100 | 11600 | 12200 | 13000 | 13700 | 14000 | 15100 | 15800 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro[kgf]          | 892   | 988   | 1110  | 1130  | 1180  | 1240  | 1330  | 1400  | 1430  | 1540  | 1610  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6145       | $P_i$ [kW]        | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 12.0  | 11.0  | 7.91  | 7.53  | 7.53  | 5.39  | 4.22  | 3.65  | 3.03  | 2.48  | -    | CHH C-72<br>CHF C-77<br>CVV C-83 |
|            | $T_{out}$ [N·m]   | 471   | 628   | 864   | 1020  | 1170  | 1060  | 1190  | 1030  | 1130  | 1370  | 1200  | 1120  | 1120  | 1110  | 1120  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 48.0  | 64.0  | 88.1  | 104   | 119   | 108   | 121   | 105   | 115   | 140   | 122   | 114   | 114   | 113   | 114   | -    |                                  |
|            | Pro[N]            | 8720  | 9650  | 10800 | 11000 | 11500 | 12100 | 12900 | 13700 | 14000 | 14900 | 15600 | 16000 | 16000 | 16000 | 16000 | -    |                                  |
|            | Pro[kgf]          | 889   | 984   | 1100  | 1120  | 1170  | 1230  | 1310  | 1400  | 1430  | 1520  | 1590  | 1630  | 1630  | 1630  | 1630  | -    |                                  |
| 6160       | $P_i$ [kW]        | 20.3  | 19.7  | 19.7  | 19.7  | 18.7  | 13.1  | 12.9  | 9.86  | 10.5  | 9.67  | 7.45  | 5.75  | 4.42  | 3.47  | 3.47  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 631   | 817   | 1120  | 1330  | 1460  | 1150  | 1400  | 1280  | 1580  | 1760  | 1660  | 1520  | 1350  | 1280  | 1570  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 64.3  | 83.3  | 114   | 136   | 149   | 117   | 143   | 130   | 161   | 179   | 169   | 155   | 138   | 130   | 160   | -    |                                  |
|            | Pro[N]            | 9550  | 10700 | 12000 | 12500 | 13300 | 14000 | 14900 | 15800 | 16300 | 17300 | 18700 | 19600 | 21900 | 22000 | 21800 | -    |                                  |
|            | Pro[kgf]          | 973   | 1090  | 1220  | 1270  | 1360  | 1430  | 1520  | 1610  | 1660  | 1760  | 1910  | 2000  | 2230  | 2240  | 2220  | -    |                                  |
| 6165       | $P_i$ [kW]        | 24.1  | 24.1  | 24.1  | 22.6  | 22.6  | 18.8  | 16.1  | 15.1  | 11.4  | 11.4  | 7.91  | 7.53  | 5.75  | 5.65  | 3.90  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 748   | 997   | 1370  | 1520  | 1760  | 1660  | 1750  | 1950  | 1720  | 2070  | 1760  | 1990  | 1760  | 2080  | 1760  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 76.2  | 102   | 140   | 155   | 179   | 169   | 178   | 199   | 175   | 211   | 179   | 203   | 179   | 212   | 179   | -    |                                  |
|            | Pro[N]            | 9460  | 10500 | 11900 | 12400 | 13100 | 13600 | 14700 | 15300 | 16200 | 17100 | 18600 | 19300 | 21700 | 21500 | 21700 | -    |                                  |
|            | Pro[kgf]          | 964   | 1070  | 1210  | 1260  | 1340  | 1390  | 1500  | 1560  | 1650  | 1740  | 1900  | 1970  | 2210  | 2190  | 2210  | -    |                                  |
| 6170       | $P_i$ [kW]        | 27.6  | 27.6  | 27.6  | 27.3  | 25.5  | 19.7  | 19.5  | 15.8  | 14.3  | 12.0  | 9.75  | 8.39  | 7.15  | 5.92  | 4.81  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 859   | 1140  | 1570  | 1840  | 1980  | 1730  | 2120  | 2050  | 2150  | 2180  | 2170  | 2220  | 2190  | 2180  | 2170  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 87.6  | 116   | 160   | 188   | 202   | 176   | 216   | 209   | 219   | 222   | 221   | 226   | 223   | 222   | 221   | -    |                                  |
|            | Pro[N]            | 10700 | 11800 | 13500 | 14000 | 14600 | 15500 | 16700 | 17500 | 18400 | 19600 | 21000 | 22000 | 23200 | 24600 | 26500 | -    |                                  |
|            | Pro[kgf]          | 1090  | 1200  | 1380  | 1430  | 1490  | 1580  | 1700  | 1780  | 1880  | 2000  | 2140  | 2240  | 2360  | 2510  | 2700  | -    |                                  |
| 6175       | $P_i$ [kW]        | 30.1  | 30.1  | 30.1  | 30.1  | 30.1  | 24.1  | 24.1  | 19.5  | 18.8  | 15.1  | 11.3  | 11.3  | 8.29  | 7.15  | 5.62  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | 937   | 1250  | 1720  | 2030  | 2340  | 2120  | 2620  | 2530  | 2830  | 2730  | 2520  | 2990  | 2540  | 2630  | 2540  | -    |                                  |
|            | $T_{out}$ [kgf·m] | 95.5  | 127   | 175   | 207   | 239   | 216   | 267   | 258   | 288   | 278   | 257   | 305   | 259   | 268   | 259   | -    |                                  |
|            | Pro[N]            | 10700 | 11700 | 13400 | 13900 | 14400 | 15300 | 16400 | 17200 | 18100 | 19300 | 20900 | 21600 | 23000 | 24400 | 26300 | -    |                                  |
|            | Pro[kgf]          | 1090  | 1190  | 1370  | 1420  | 1470  | 1560  | 1670  | 1750  | 1850  | 1970  | 2130  | 2200  | 2340  | 2490  | 2680  | -    |                                  |
| 6180       | $P_i$ [kW]        | -     | -     | 35.2  | 35.2  | 32.4  | 30.6  | 30.0  | 24.1  | 19.5  | 18.8  | 15.1  | 12.0  | 9.75  | 8.80  | 7.15  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2010  | 2370  | 2520  | 2690  | 3270  | 3120  | 2930  | 3410  | 3360  | 3170  | 2980  | 3240  | 3220  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 205   | 242   | 257   | 274   | 333   | 318   | 299   | 348   | 343   | 323   | 304   | 330   | 328   | -    |                                  |
|            | Pro[N]            | -     | -     | 18000 | 18700 | 19700 | 20800 | 22400 | 23400 | 24600 | 26300 | 28300 | 29500 | 31000 | 33000 | 35600 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 1830  | 1910  | 2010  | 2120  | 2280  | 2390  | 2510  | 2680  | 2880  | 3010  | 3160  | 3360  | 3630  | -    |                                  |
| 6185       | $P_i$ [kW]        | -     | -     | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 30.1  | 24.1  | 22.6  | 18.8  | 15.1  | 12.0  | 9.79  | 8.59  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2220  | 2630  | 3030  | 3440  | 4250  | 3910  | 3620  | 4100  | 4200  | 3980  | 3670  | 3610  | 3870  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 226   | 268   | 309   | 351   | 433   | 399   | 369   | 418   | 428   | 406   | 374   | 368   | 394   | -    |                                  |
|            | Pro[N]            | -     | -     | 17900 | 18600 | 19500 | 20500 | 22000 | 23100 | 24400 | 26000 | 27900 | 29200 | 30700 | 32800 | 35400 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 1820  | 1900  | 1990  | 2090  | 2240  | 2350  | 2490  | 2650  | 2840  | 2980  | 3130  | 3340  | 3610  | -    |                                  |
| 6190       | $P_i$ [kW]        | -     | -     | 41.0  | 41.0  | 41.0  | 41.0  | 41.0  | 35.2  | 30.7  | 24.3  | 20.9  | 18.2  | 15.3  | 13.5  | 11.8  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2340  | 2760  | 3190  | 3610  | 4460  | 4560  | 4620  | 4410  | 4670  | 4810  | 4670  | 4980  | 5320  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 239   | 281   | 325   | 368   | 455   | 465   | 471   | 450   | 476   | 490   | 476   | 508   | 542   | -    |                                  |
|            | Pro[N]            | -     | -     | 25300 | 26300 | 27500 | 29000 | 31200 | 32800 | 34500 | 36600 | 39500 | 41300 | 43400 | 46000 | 49600 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 2580  | 2680  | 2800  | 2960  | 3180  | 3340  | 3520  | 3730  | 4030  | 4210  | 4420  | 4690  | 5060  | -    |                                  |
| 6195       | $P_i$ [kW]        | -     | -     | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 40.5  | 37.8  | 30.1  | 30.1  | 20.9  | 18.8  | 15.6  | 13.6  | -    | CHH C-72<br>CHF C-77<br>CVV C-84 |
|            | $T_{out}$ [N·m]   | -     | -     | 2740  | 3240  | 3740  | 4240  | 5240  | 5240  | 5680  | 5470  | 6720  | 5540  | 5760  | 5740  | 6150  | -    |                                  |
|            | $T_{out}$ [kgf·m] | -     | -     | 279   | 330   | 381   | 432   | 534   | 534   | 579   | 558   | 685   | 565   | 587   | 585   | 627   | -    |                                  |
|            | Pro[N]            | -     | -     | 25200 | 26100 | 27300 | 28800 | 31000 | 32600 | 34200 | 36300 | 38900 | 41100 | 43100 | 45800 | 49400 | -    |                                  |
|            | Pro[kgf]          | -     | -     | 2570  | 2660  | 2780  | 2940  | 3160  | 3320  | 3490  | 3700  | 3970  | 4190  | 4390  | 4670  | 5040  | -    |                                  |
| Frame Size | Ratio[Z]          | 6     | 8     | 11    | 13    | 15    | 17    | 21    | 25    | 29    | 35    | 43    | 51    | 59    | 71    | 87    | 119  | Dim. Page                        |



## Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

| Input Speed |                           | $n_1 = 1750$ r/min |     | $n_1$ : Input Speed [r/min]<br>$n_2$ : Output Speed [r/min]<br>$P_i$ : Allowable input power [kW] |     |       |     |       |      |       |      |       |      |       |      |       |      | $T_{out}$ : Allowable output torque [N·m, kgf·m]<br>Pro: Allowable output shaft radial load [N, kgf]<br>*Consult us for Pro of CNF and CHF type. |  |  |  |  |  |  |  |  |  |  |  |  |  | <br>CHH | <br>CHF | <br>CVV |
|-------------|---------------------------|--------------------|-----|---------------------------------------------------------------------------------------------------|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Frame Size  | $n_2$ [r/min]<br>Ratio[Z] | 292                | 219 | 159                                                                                               | 135 | 117   | 103 | 83.3  | 70.0 | 60.3  | 50.0 | 40.7  | 34.3 | 29.7  | 24.6 | 20.1  | 14.7 | Dim. Page                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6205        | $P_i$ [kW]                | -                  | -   | 59.7                                                                                              | -   | 59.7  | -   | 59.2  | -    | 45.7  | -    | 31.8  | -    | 22.6  | -    | 15.9  | -    | CHH C-72<br>CHF C-77<br>CVW C-84                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | 3400                                                                                              | -   | 4640  | -   | 6450  | -    | 6860  | -    | 7090  | -    | 6910  | -    | 7170  | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 347                                                                                               | -   | 473   | -   | 657   | -    | 699   | -    | 723   | -    | 704   | -    | 731   | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | 48900                                                                                             | -   | 52500 | -   | 58600 | -    | 64100 | -    | 72500 | -    | 79200 | -    | 84100 | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | 4980                                                                                              | -   | 5350  | -   | 5970  | -    | 6530  | -    | 7390  | -    | 8070  | -    | 8570  | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6215        | $P_i$ [kW]                | -                  | -   | 75.3                                                                                              | -   | 75.3  | -   | 75.3  | -    | 58.5  | -    | 45.2  | -    | 37.7  | -    | 21.4  | -    | CHH C-72<br>CHF C-77<br>CVW C-84                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | 4300                                                                                              | -   | 5860  | -   | 8200  | -    | 8790  | -    | 10100 | -    | 11500 | -    | 9650  | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 438                                                                                               | -   | 597   | -   | 836   | -    | 896   | -    | 1030  | -    | 1170  | -    | 984   | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | 49300                                                                                             | -   | 52900 | -   | 59500 | -    | 64900 | -    | 73300 | -    | 79700 | -    | 90300 | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | 5030                                                                                              | -   | 5390  | -   | 6070  | -    | 6620  | -    | 7470  | -    | 8120  | -    | 9200  | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6225        | $P_i$ [kW]                | -                  | -   | 99.5                                                                                              | -   | 99.5  | -   | 94.2  | -    | 75.3  | -    | 56.5  | -    | 45.2  | -    | 26.7  | -    | CHH C-72<br>CHF C-77<br>CVW C-84                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | 5670                                                                                              | -   | 7730  | -   | 10300 | -    | 11300 | -    | 12600 | -    | 13800 | -    | 12100 | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | 578                                                                                               | -   | 788   | -   | 1050  | -    | 1150  | -    | 1280  | -    | 1410  | -    | 1230  | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | 52100                                                                                             | -   | 56100 | -   | 62500 | -    | 68200 | -    | 77200 | -    | 84100 | -    | 95200 | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | 5310                                                                                              | -   | 5720  | -   | 6370  | -    | 6950  | -    | 7870  | -    | 8570  | -    | 9700  | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6235        | $P_i$ [kW]                | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6245        | $P_i$ [kW]                | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6255        | $P_i$ [kW]                | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6265        | $P_i$ [kW]                | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| 6275        | $P_i$ [kW]                | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [N·m]           | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $T_{out}$ [kgf·m]         | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[N]                    | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | Pro[kgf]                  | -                  | -   | -                                                                                                 | -   | -     | -   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
| Frame Size  | Ratio[Z]                  | 6                  | 8   | 11                                                                                                | 13  | 15    | 17  | 21    | 25   | 29    | 35   | 43    | 51   | 59    | 71   | 87    | 119  | Dim. Page                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |
|             | $n_2$ [r/min]             | 292                | 219 | 159                                                                                               | 135 | 117   | 103 | 83.3  | 70.0 | 60.3  | 50.0 | 40.7  | 34.3 | 29.7  | 24.6 | 20.1  | 14.7 |                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                            |                                                                                            |                                                                                            |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6060DA ~ 6130DA

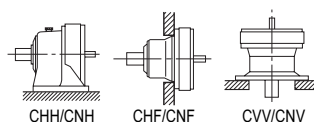
|             |                    |                                  |                                                  |
|-------------|--------------------|----------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 1450$ r/min | $n_1$ : Input Speed [r/min]      | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                    | $n_2$ : Output Speed [r/min]     | Pro: Allowable output shaft radial load [N, kgf] |
|             |                    | $P$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |
|             |                    |                                  |                                                  |

| Frame Size | $n_2$ [r/min]     | 13.9  | 12.0  | 10.1  | 8.79  | 7.44  | 6.28  | 5.31  | 4.55  | 3.85  | 3.07  | 2.59  | 2.23  | 1.98  | 1.72  |
|------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            | Ratio[Z]          | 104   | 121   | 143   | 165   | 195   | 231   | 273   | 319   | 377   | 473   | 559   | 649   | 731   | 841   |
| 6060DA     | $P_i$ [kW]        | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | -     | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | -     | 24.0  | 24.0  |
|            | $T_{out}$ [kgf·m] | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | 2.45  | -     | 2.45  | 2.45  |
|            | Pro[N]            | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | 1180  | 1180  |
|            | Pro[kgf]          | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | 120   | 120   |
| 6065DA     | $P_i$ [kW]        | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | -     | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | -     | 30.0  | 30.0  |
|            | $T_{out}$ [kgf·m] | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | 3.06  | -     | 3.06  | 3.06  |
|            | Pro[N]            | 1180  | 1140  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | 1180  | -     | 1180  | 1180  |
|            | Pro[kgf]          | 120   | 116   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | -     | 120   | 120   |
| 6070DA     | $P_i$ [kW]        | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  |
|            | $T_{out}$ [kgf·m] | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  | 4.59  |
|            | Pro[N]            | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  |
|            | Pro[kgf]          | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   |
| 6075DA     | $P_i$ [kW]        | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 60.0  | 50.8  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 57.4  | 60.0  | 60.0  |
|            | $T_{out}$ [kgf·m] | 6.12  | 5.18  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 6.12  | 5.85  | 6.12  | 6.12  |
|            | Pro[N]            | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1770  | 1660  | 1660  | 1580  | 1660  | 1770  |
|            | Pro[kgf]          | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 180   | 169   | 169   | 161   | 169   | 180   |
| 6090DA     | $P_i$ [kW]        | 0.243 | 0.209 | 0.177 | 0.153 | 0.130 | 0.110 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 146   | 150   | 150   |
|            | $T_{out}$ [kgf·m] | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 14.9  | 15.3  | 15.3  |
|            | Pro[N]            | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3290  | 3290  | 3310  | 3310  | 3300  | 3310  | 3290  |
|            | Pro[kgf]          | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 336   | 336   | 338   | 338   | 336   | 338   | 336   |
| 6095DA     | $P_i$ [kW]        | 0.293 | 0.224 | 0.216 | 0.204 | 0.173 | 0.146 | 0.124 | 0.106 | 0.100 | 0.100 | 0.100 | -     | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 181   | 160   | 183   | 200   | 200   | 200   | 200   | 200   | 200   | 200   | 200   | -     | 200   | 200   |
|            | $T_{out}$ [kgf·m] | 18.4  | 16.4  | 18.7  | 20.4  | 20.4  | 20.4  | 20.4  | 20.4  | 20.4  | 20.4  | 20.4  | -     | 20.4  | 20.4  |
|            | Pro[N]            | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3340  | 3200  | 3200  | 3220  | 3220  | -     | 3220  | 3200  |
|            | Pro[kgf]          | 340   | 340   | 340   | 340   | 340   | 340   | 340   | 326   | 326   | 328   | 328   | -     | 328   | 326   |
| 6100DA     | $P_i$ [kW]        | 0.406 | 0.349 | 0.295 | 0.256 | 0.216 | 0.183 | 0.154 | 0.132 | 0.112 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   | 250   |
|            | $T_{out}$ [kgf·m] | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  | 25.5  |
|            | Pro[N]            | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  |
|            | Pro[kgf]          | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   |
| 6105DA     | $P_i$ [kW]        | 0.429 | 0.429 | 0.354 | 0.307 | 0.260 | 0.219 | 0.185 | 0.159 | 0.134 | 0.107 | 0.100 | 0.100 | 0.100 | 0.100 |
|            | $T_{out}$ [N·m]   | 265   | 308   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 296   | 300   | 300   |
|            | $T_{out}$ [kgf·m] | 27.0  | 31.4  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.6  | 30.2  | 30.6  | 30.6  |
|            | Pro[N]            | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5400  | 5090  | 5400  | 5400  |
|            | Pro[kgf]          | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 550   | 519   | 550   | 550   |
| 6120DA     | $P_i$ [kW]        | -     | -     | 0.429 | 0.429 | 0.429 | 0.381 | 0.322 | 0.275 | 0.233 | 0.187 | 0.158 | 0.136 | 0.121 | 0.104 |
|            | $T_{out}$ [N·m]   | -     | -     | 364   | 420   | 496   | 522   | 522   | 520   | 520   | 525   | 525   | 525   | 525   | 520   |
|            | $T_{out}$ [kgf·m] | -     | -     | 37.1  | 42.8  | 50.6  | 53.2  | 53.2  | 53.0  | 53.0  | 53.5  | 53.5  | 53.5  | 53.5  | 53.0  |
|            | Pro[N]            | -     | -     | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  |
|            | Pro[kgf]          | -     | -     | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  |
| 6120DB     | $P_i$ [kW]        | 0.852 | 0.732 | 0.619 | 0.537 | 0.454 | 0.381 | -     | -     | -     | -     | -     | -     | -     | -     |
|            | $T_{out}$ [N·m]   | 525   | 525   | 525   | 525   | 525   | 522   | -     | -     | -     | -     | -     | -     | -     | -     |
|            | $T_{out}$ [kgf·m] | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.2  | -     | -     | -     | -     | -     | -     | -     | -     |
|            | Pro[N]            | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | -     | -     | -     | -     | -     | -     | -     | -     |
|            | Pro[kgf]          | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | -     | -     | -     | -     | -     | -     | -     | -     |
| 6125DA     | $P_i$ [kW]        | -     | -     | -     | -     | -     | 0.429 | 0.389 | 0.333 | 0.282 | 0.225 | 0.190 | 0.164 | 0.145 | 0.126 |
|            | $T_{out}$ [N·m]   | -     | -     | -     | -     | -     | 588   | 630   | 630   | 630   | 630   | 630   | 630   | 630   | 630   |
|            | $T_{out}$ [kgf·m] | -     | -     | -     | -     | -     | 59.9  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  |
|            | Pro[N]            | -     | -     | -     | -     | -     | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  |
|            | Pro[kgf]          | -     | -     | -     | -     | -     | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  |
| 6125DB     | $P_i$ [kW]        | 1.02  | 0.867 | 0.743 | 0.644 | 0.545 | 0.460 | 0.389 | 0.333 | -     | -     | -     | -     | -     | -     |
|            | $T_{out}$ [N·m]   | 630   | 622   | 630   | 630   | 630   | 630   | 630   | 630   | -     | -     | -     | -     | -     | -     |
|            | $T_{out}$ [kgf·m] | 64.2  | 63.4  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | -     | -     | -     | -     | -     | -     |
|            | Pro[N]            | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | 9810  | -     | -     | -     | -     | -     | -     |
|            | Pro[kgf]          | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | -     | -     | -     | -     | -     | -     |
| 6130DA     | $P_i$ [kW]        | -     | -     | -     | -     | -     | 0.429 | 0.413 | 0.349 | 0.278 | 0.235 | 0.237 | 0.200 | 0.200 | 0.200 |
|            | $T_{out}$ [N·m]   | -     | -     | -     | -     | -     | 695   | 780   | 780   | 780   | 780   | 780   | 912   | 780   | 780   |
|            | $T_{out}$ [kgf·m] | -     | -     | -     | -     | -     | 70.8  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 93.0  | 79.5  | 79.5  |
|            | Pro[N]            | -     | -     | -     | -     | -     | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 |
|            | Pro[kgf]          | -     | -     | -     | -     | -     | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  |
| Frame Size | Ratio[Z]          | 104   | 121   | 143   | 165   | 195   | 231   | 273   | 319   | 377   | 473   | 559   | 649   | 731   | 841   |
|            | $n_2$ [r/min]     | 13.9  | 12.0  | 10.1  | 8.79  | 7.44  | 6.28  | 5.31  | 4.55  | 3.85  | 3.07  | 2.59  | 2.23  | 1.98  | 1.72  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$ 

| 1.45         | 1.16         | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]     | Dim.<br>Page | Frame<br>Size |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|---------------|
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          |              |               |
| -            | <b>0.100</b> | -            | <b>0.100</b> | -            | -            | -            | -            | -            | -            | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6060DA</b> |
| -            | 24.0         | -            | 24.0         | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| -            | 2.45         | -            | 2.45         | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| -            | 1180         | -            | 1180         | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | 120          | -            | 120          | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -            | <b>0.100</b> | -            | <b>0.100</b> | -            | -            | -            | -            | -            | -            | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6065DA</b> |
| -            | 30.0         | -            | 30.0         | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| -            | 3.06         | -            | 3.06         | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| -            | 1180         | -            | 1180         | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | 120          | -            | 120          | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>0.100</b> | <b>0.100</b> | -            | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | -            | -            | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6070DA</b> |
| 45.0         | 45.0         | -            | 45.0         | 45.0         | 45.0         | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 4.59         | 4.59         | -            | 4.59         | 4.59         | 4.59         | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 1770         | 1770         | -            | 1770         | 1770         | 1770         | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| 180          | 180          | -            | 180          | 180          | 180          | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>0.100</b> | <b>0.100</b> | -            | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | -            | -            | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6075DA</b> |
| 57.4         | 60.0         | -            | 60.0         | 57.4         | 57.4         | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 5.85         | 6.12         | -            | 6.12         | 5.85         | 5.85         | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 1580         | 1660         | -            | 1660         | 1580         | 1580         | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| 161          | 169          | -            | 169          | 161          | 161          | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6090DA</b> |
| 146          | 150          | 150          | 150          | 146          | 146          | 150          | 146          | 150          | 150          | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 14.9         | 15.3         | 15.3         | 15.3         | 14.9         | 14.9         | 15.3         | 14.9         | 15.3         | 15.3         | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 3300         | 3310         | 3310         | 3310         | 3300         | 3300         | 3310         | 3300         | 3310         | 3310         | -            | -            | Pro[N]            |              |               |
| 336          | 338          | 338          | 338          | 336          | 336          | 338          | 336          | 338          | 338          | -            | -            | Pro[kgf]          |              |               |
| -            | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | <b>0.100</b> | -            | <b>0.100</b> | <b>0.100</b> | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6095DA</b> |
| -            | 200          | 193          | 200          | -            | -            | 192          | -            | 192          | 192          | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| -            | 20.4         | 19.6         | 20.4         | -            | -            | 19.6         | -            | 19.6         | 19.6         | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| -            | 3220         | 3240         | 3220         | -            | -            | 3240         | -            | 3240         | 3240         | -            | -            | Pro[N]            |              |               |
| -            | 328          | 330          | 328          | -            | -            | 330          | -            | 330          | 330          | -            | -            | Pro[kgf]          |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6100DA</b> |
| 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | -            | -            | Pro[N]            |              |               |
| 550          | 550          | 550          | 550          | 550          | 550          | 550          | 550          | 550          | 550          | -            | -            | Pro[kgf]          |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6105DA</b> |
| 296          | 300          | 300          | 300          | 296          | 296          | 300          | 296          | 300          | 300          | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 30.2         | 30.6         | 30.6         | 30.6         | 30.2         | 30.2         | 30.6         | 30.2         | 30.6         | 30.6         | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 5090         | 5400         | 4780         | 5400         | 5090         | 5090         | 4780         | 5090         | 4780         | 4780         | -            | -            | Pro[N]            |              |               |
| 519          | 550          | 488          | 550          | 519          | 519          | 488          | 519          | 488          | 488          | -            | -            | Pro[kgf]          |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6120DA</b> |
| 525          | 525          | 525          | 525          | 525          | 525          | 525          | 525          | 525          | 525          | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 9810         | 9810         | 9780         | 9810         | 9810         | 9810         | 9780         | 9810         | 9780         | 9780         | -            | -            | Pro[N]            |              |               |
| 1000         | 1000         | 997          | 1000         | 1000         | 1000         | 997          | 1000         | 997          | 997          | -            | -            | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.100</b> | <b>0.100</b> | $P_1$ [kW]        | CNH C-73     | <b>6120DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 525          | 525          | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 53.5         | 53.5         | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 9780         | 9780         | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 997          | 997          | Pro[kgf]          |              |               |
| 0.106        | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | $P_1$ [kW]        | CNH C-73     | <b>6125DA</b> |
| 630          | 630          | 630          | 630          | 630          | 630          | 630          | 630          | 630          | 630          | -            | -            | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | -            | -            | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| 9810         | 9810         | 9560         | 9810         | 9810         | 9810         | 9560         | 9810         | 9560         | 9560         | -            | -            | Pro[N]            |              |               |
| 1000         | 1000         | 974          | 1000         | 1000         | 1000         | 974          | 1000         | 974          | 974          | -            | -            | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.100</b> | <b>0.100</b> | $P_1$ [kW]        | CNH C-73     | <b>6125DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 630          | 630          | $T_{OUT}$ [N·m]   | CNF C-78     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 64.2         | 64.2         | $T_{OUT}$ [kgf·m] | CNV C-85     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 9560         | 9560         | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 974          | 974          | Pro[kgf]          |              |               |
| <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | $P_1$ [kW]        | CHH C-74     | <b>6130DA</b> |
| 912          | 780          | 848          | 780          | 912          | 912          | 848          | 912          | 848          | 848          | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 93.0         | 79.5         | 86.5         | 79.5         | 93.0         | 93.0         | 86.5         | 93.0         | 86.5         | 86.5         | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | -            | -            | Pro[N]            |              |               |
| 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | -            | -            | Pro[kgf]          |              |               |
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          | Dim.<br>Page | Frame<br>Size |
| 1.45         | 1.16         | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]     |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

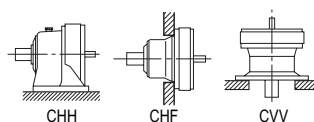
Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6130DB ~ 6160DB

| Input Speed |                   | $n_1 = 1450$ r/min |       | $n_1$ : Input Speed [r/min] |       | $T_{out}$ : Allowable output torque [N·m, kgf·m] |       | $n_2$ : Output Speed [r/min] |       | Pro: Allowable output shaft radial load [N, kgf] |       | $P$ : Allowable input power [kW] |       | *Consult us for Pro of CNF and CHF type. |       |
|-------------|-------------------|--------------------|-------|-----------------------------|-------|--------------------------------------------------|-------|------------------------------|-------|--------------------------------------------------|-------|----------------------------------|-------|------------------------------------------|-------|
| Frame Size  | $n_2$ [r/min]     | 13.9               | 12.0  | 10.1                        | 8.79  | 7.44                                             | 6.28  | 5.31                         | 4.55  | 3.85                                             | 3.07  | 2.59                             | 2.23  | 1.98                                     | 1.72  |
|             | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
| 6130DB      | $P_i$ [kW]        | 1.27               | 1.09  | 0.920                       | 0.798 | 0.675                                            | 0.570 | 0.482                        | 0.413 | 0.349                                            | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 780                | 780   | 780                         | 780   | 780                                              | 780   | 780                          | 780   | 780                                              | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 79.5               | 79.5  | 79.5                        | 79.5  | 79.5                                             | 79.5  | 79.5                         | 79.5  | 79.5                                             | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | 14700 | 14700                       | 14700 | 14700                                            | 14700 | 14700                        | 14700 | 14700                                            | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | 1500  | 1500                        | 1500  | 1500                                             | 1500  | 1500                         | 1500  | 1500                                             | -     | -                                | -     | -                                        | -     |
| 6130DC      | $P_i$ [kW]        | 1.27               | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 780                | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 79.5               | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6135DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | -                            | 0.429 | 0.421                                            | 0.335 | 0.284                            | 0.273 | 0.217                                    | 0.200 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | -                            | 812   | 940                                              | 940   | 940                              | 1050  | 940                                      | 940   |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | -                            | 82.8  | 95.8                                             | 95.8  | 95.8                             | 107   | 95.8                                     | 95.8  |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | -                            | 14700 | 14700                                            | 14700 | 14700                            | 14700 | 14700                                    | 14700 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | -                            | 1500  | 1500                                             | 1500  | 1500                             | 1500  | 1500                                     | 1500  |
| 6135DB      | $P_i$ [kW]        | 1.52               | 1.31  | 1.11                        | 0.961 | 0.813                                            | 0.686 | 0.581                        | 0.497 | 0.421                                            | 0.335 | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 940                | 940   | 940                         | 940   | 940                                              | 940   | 940                          | 940   | 940                                              | 940   | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 95.8               | 95.8  | 95.8                        | 95.8  | 95.8                                             | 95.8  | 95.8                         | 95.8  | 95.8                                             | 95.8  | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | 14700 | 14700                       | 14700 | 14700                                            | 14700 | 14700                        | 14700 | 14700                                            | 14700 | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | 1500  | 1500                        | 1500  | 1500                                             | 1500  | 1500                         | 1500  | 1500                                             | 1500  | -                                | -     | -                                        | -     |
| 6135DC      | $P_i$ [kW]        | 1.52               | 1.31  | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 940                | 940   | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 95.8               | 95.8  | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | 14700 | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | 1500  | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6140DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 0.429                                            | 0.429 | 0.370                            | 0.318 | 0.283                                    | 0.246 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 960                                              | 1200  | 1230                             | 1230  | 1230                                     | 1230  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 97.8                                             | 123   | 125                              | 125   | 125                                      | 125   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 16000                                            | 16000 | 16000                            | 16000 | 16000                                    | 16000 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 1630                                             | 1630  | 1630                             | 1630  | 1630                                     | 1630  |
| 6140DB      | $P_i$ [kW]        | 1.60               | 1.60  | 1.45                        | 1.25  | 1.06                                             | 0.895 | 0.757                        | 0.648 | 0.548                                            | 0.437 | 0.370                            | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 986                | 1150  | 1230                        | 1230  | 1230                                             | 1230  | 1230                         | 1230  | 1230                                             | 1230  | 1230                             | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 100                | 117   | 125                         | 125   | 125                                              | 125   | 125                          | 125   | 125                                              | 125   | 125                              | -     | -                                        | -     |
|             | Pro[N]            | 16000              | 16000 | 16000                       | 16000 | 16000                                            | 16000 | 16000                        | 16000 | 16000                                            | 16000 | 16000                            | -     | -                                        | -     |
|             | Pro[kgf]          | 1630               | 1630  | 1630                        | 1630  | 1630                                             | 1630  | 1630                         | 1630  | 1630                                             | 1630  | 1630                             | -     | -                                        | -     |
| 69140DC     | $P_i$ [kW]        | 1.99               | 1.71  | 1.45                        | 1.25  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1230               | 1230  | 1230                        | 1230  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 125                | 125   | 125                         | 125   | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 16000              | 16000 | 16000                       | 16000 | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1630               | 1630  | 1630                        | 1630  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6145DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 0.413                            | 0.356 | 0.316                                    | 0.275 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 1370                             | 1370  | 1370                                     | 1370  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 140                              | 140   | 140                                      | 140   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 15700                            | 16000 | 15700                                    | 15800 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 1600                             | 1630  | 1600                                     | 1610  |
| 6145DB      | $P_i$ [kW]        | -                  | -     | 1.60                        | 1.39  | 1.17                                             | 0.977 | 0.827                        | 0.725 | 0.613                                            | 0.489 | 0.413                            | 0.356 | -                                        | 0.275 |
|             | $T_{out}$ [N·m]   | -                  | -     | 1360                        | 1360  | 1360                                             | 1340  | 1340                         | 1370  | 1370                                             | 1370  | 1370                             | 1370  | -                                        | 1370  |
|             | $T_{out}$ [kgf·m] | -                  | -     | 138                         | 138   | 138                                              | 136   | 136                          | 140   | 140                                              | 140   | 140                              | 140   | -                                        | 140   |
|             | Pro[N]            | -                  | -     | 16000                       | 16000 | 16000                                            | 16000 | 16000                        | 15800 | 15800                                            | 15700 | 15700                            | 16000 | -                                        | 15800 |
|             | Pro[kgf]          | -                  | -     | 1630                        | 1630  | 1630                                             | 1630  | 1630                         | 1610  | 1610                                             | 1600  | 1600                             | 1630  | -                                        | 1610  |
| 6145DC      | $P_i$ [kW]        | 2.22               | 1.80  | 1.62                        | 1.39  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1370               | 1290  | 1370                        | 1360  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 140                | 132   | 140                         | 138   | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 15900              | 16000 | 15900                       | 16000 | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1620               | 1630  | 1620                        | 1630  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6160DA      | $P_i$ [kW]        | -                  | -     | -                           | 1.60  | 1.52                                             | 1.28  | 1.08                         | 0.928 | 0.785                                            | 0.619 | 0.524                            | 0.456 | 0.400                                    | 0.400 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | 1560  | 1760                                             | 1760  | 1760                         | 1760  | 1760                                             | 1740  | 1740                             | 1760  | 1740                                     | 1760  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | 159   | 179                                              | 179   | 179                          | 179   | 179                                              | 177   | 177                              | 179   | 177                                      | 179   |
|             | Pro[N]            | -                  | -     | -                           | 22100 | 22100                                            | 22100 | 22100                        | 22100 | 22100                                            | 22100 | 22100                            | 22100 | 22100                                    | 22100 |
|             | Pro[kgf]          | -                  | -     | -                           | 2250  | 2250                                             | 2250  | 2250                         | 2250  | 2250                                             | 2250  | 2250                             | 2250  | 2250                                     | 2250  |
| 6160DB      | $P_i$ [kW]        | 2.85               | 2.45  | 2.07                        | 1.79  | 1.52                                             | 1.28  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1760               | 1760  | 1760                        | 1760  | 1760                                             | 1760  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 179                | 179   | 179                         | 179   | 179                                              | 179   | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 22100              | 22100 | 22100                       | 22100 | 22100                                            | 22100 | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250                        | 2250  | 2250                                             | 2250  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| Frame Size  | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
|             | $n_2$ [r/min]     | 13.9               | 12.0  | 10.1                        | 8.79  | 7.44                                             | 6.28  | 5.31                         | 4.55  | 3.85                                             | 3.07  | 2.59                             | 2.23  | 1.98                                     | 1.72  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$ 

| 1.45         | 1.16         | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]            | Dim.<br>Page | Frame<br>Size  |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|----------------|
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6130DB</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 848          | 848          | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 86.5         | 86.5         | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 14700        | 14700        | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1500         | 1500         | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6130DC</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |                |
| <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6135DA</b>  |
| 1050         | 940          | 979          | 940          | 1050         | 1050         | 979          | 1050         | 979          | 979          | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| 107          | 95.8         | 99.8         | 95.8         | 107          | 107          | 99.8         | 107          | 99.8         | 99.8         | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | -            | -            | Pro[N]                   |              |                |
| 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | -            | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6135DB</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 979          | 979          | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 99.8         | 99.8         | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 14700        | 14700        | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1500         | 1500         | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6135DC</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |                |
| 0.206        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6140DA</b>  |
| 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| 125          | 125          | 125          | 125          | 125          | 125          | 125          | 125          | 125          | 125          | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | -            | -            | Pro[N]                   |              |                |
| 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | -            | -            | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6140DB</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1230         | 1230         | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 125          | 125          | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 16000        | 16000        | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1630         | 1630         | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>69140DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |                |
| 0.230        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6145DA</b>  |
| 1370         | 1370         | 1250         | 1370         | 1370         | 1370         | 1250         | 1370         | 1250         | 1250         | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| 140          | 140          | 127          | 140          | 140          | 140          | 127          | 140          | 127          | 127          | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| 16000        | 15700        | 16000        | 15700        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | -            | -            | Pro[N]                   |              |                |
| 1630         | 1600         | 1630         | 1600         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | -            | -            | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6145DB</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1250         | 1250         | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 127          | 127          | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 16000        | 16000        | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1630         | 1630         | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6145DC</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |                |
| <b>0.400</b> | <b>0.400</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6160DA</b>  |
| 1760         | 1740         | 1760         | 1740         | 1760         | 1760         | 1760         | 1760         | 1760         | 1760         | 1760         | 1760         | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| 179          | 177          | 179          | 177          | 179          | 179          | 179          | 179          | 179          | 179          | 179          | 179          | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | Pro[N]                   |              |                |
| 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | Pro[kgf]                 |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6160DB</b>  |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |                |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |                |
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]                 | Dim.<br>Page | Frame<br>Size  |
| 1.45         | 1.16         | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]            |              |                |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.



## Selection Tables 6000 Series Reducer

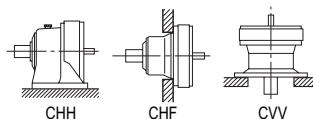
Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6160DC ~ 6185DA

| Input Speed |                   | $n_1 = 1450$ r/min |       | $n_1$ : Input Speed [r/min] |       | $T_{out}$ : Allowable output torque [N·m, kgf·m] |       | $n_2$ : Output Speed [r/min] |       | Pro: Allowable output shaft radial load [N, kgf] |       | $P$ : Allowable input power [kW] |       | *Consult us for Pro of CNF and CHF type. |       |
|-------------|-------------------|--------------------|-------|-----------------------------|-------|--------------------------------------------------|-------|------------------------------|-------|--------------------------------------------------|-------|----------------------------------|-------|------------------------------------------|-------|
| Frame Size  | $n_2$ [r/min]     | 13.9               | 12.0  | 10.1                        | 8.79  | 7.44                                             | 6.28  | 5.31                         | 4.55  | 3.85                                             | 3.07  | 2.59                             | 2.23  | 1.98                                     | 1.72  |
|             | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
| 6160DC      | $P_i$ [kW]        | 2.85               | 2.45  | 2.07                        | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1760               | 1760  | 1760                        | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 179                | 179   | 179                         | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 22100              | 22100 | 22100                       | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250                        | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6165DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | 1.60                                             | 1.53  | 1.30                         | 1.11  | 0.940                                            | 0.749 | 0.634                            | 0.546 | 0.485                                    | 0.421 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | 1850                                             | 2100  | 2100                         | 2100  | 2100                                             | 2100  | 2100                             | 2100  | 2100                                     | 2100  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | 188                                              | 214   | 214                          | 214   | 214                                              | 214   | 214                              | 214   | 214                                      | 214   |
|             | Pro[N]            | -                  | -     | -                           | -     | 22100                                            | 22100 | 22100                        | 22100 | 22100                                            | 22100 | 22100                            | 22100 | 22100                                    | 22100 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | 2250                                             | 2250  | 2250                         | 2250  | 2250                                             | 2250  | 2250                             | 2250  | 2250                                     | 2250  |
| 6165DB      | $P_i$ [kW]        | 3.36               | 2.93  | 2.48                        | 2.15  | 1.82                                             | 1.53  | 1.30                         | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 2070               | 2100  | 2100                        | 2100  | 2100                                             | 2100  | 2100                         | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 211                | 214   | 214                         | 214   | 214                                              | 214   | 214                          | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 22100              | 22100 | 22100                       | 22100 | 22100                                            | 22100 | 22100                        | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250                        | 2250  | 2250                                             | 2250  | 2250                         | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6165DC      | $P_i$ [kW]        | 3.41               | 2.93  | 2.48                        | 2.15  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 2100               | 2100  | 2100                        | 2100  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 214                | 214   | 214                         | 214   | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 22100              | 22100 | 22100                       | 22100 | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250                        | 2250  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6170DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | 1.60  | 1.56                         | 1.34  | 1.13                                             | 0.902 | 0.764                            | 0.658 | 0.584                                    | 0.508 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | 2190  | 2530                         | 2530  | 2530                                             | 2530  | 2530                             | 2530  | 2530                                     | 2530  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | 223   | 258                          | 258   | 258                                              | 258   | 258                              | 258   | 258                                      | 258   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | 29500 | 29500                        | 29500 | 29500                                            | 29500 | 29500                            | 29500 | 29500                                    | 29500 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | 3010  | 3010                         | 3010  | 3010                                             | 3010  | 3010                             | 3010  | 3010                                     | 3010  |
| 6170DB      | $P_i$ [kW]        | -                  | 3.36  | 2.98                        | 2.59  | 2.19                                             | 1.85  | 1.56                         | 1.34  | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | -                  | 2410  | 2530                        | 2530  | 2530                                             | 2530  | 2530                         | 2530  | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | -                  | 245   | 258                         | 258   | 258                                              | 258   | 258                          | 258   | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | -                  | 29500 | 29500                       | 29500 | 29500                                            | 29500 | 29500                        | 29500 | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | -                  | 3010  | 3010                        | 3010  | 3010                                             | 3010  | 3010                         | 3010  | -                                                | -     | -                                | -     | -                                        | -     |
| 6170DC      | $P_i$ [kW]        | 4.10               | 3.53  | 2.98                        | 2.59  | 2.19                                             | 1.85  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 2530               | 2530  | 2530                        | 2530  | 2530                                             | 2530  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 258                | 258   | 258                         | 258   | 258                                              | 258   | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 29500              | 29500 | 29500                       | 29500 | 29500                                            | 29500 | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 3010               | 3010  | 3010                        | 3010  | 3010                                             | 3010  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6175DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | 1.60                         | 1.60  | 1.41                                             | 1.12  | 0.951                            | 0.819 | 0.727                                    | 0.632 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | 2590                         | 3020  | 3150                                             | 3150  | 3150                             | 3150  | 3150                                     | 3150  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | 264                          | 308   | 321                                              | 321   | 321                              | 321   | 321                                      | 321   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | 29500                        | 29500 | 29500                                            | 29500 | 29500                            | 29500 | 29500                                    | 29500 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | 3010                         | 3010  | 3010                                             | 3010  | 3010                             | 3010  | 3010                                     | 3010  |
| 6175DB      | $P_i$ [kW]        | -                  | -     | 3.36                        | 3.22  | 2.73                                             | 2.30  | 1.95                         | 1.67  | 1.41                                             | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | -                  | -     | 2840                        | 3150  | 3150                                             | 3150  | 3150                         | 3150  | 3150                                             | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | -                  | -     | 290                         | 321   | 321                                              | 321   | 321                          | 321   | 321                                              | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | -                  | -     | 29500                       | 29500 | 29500                                            | 29500 | 29500                        | 29500 | 29500                                            | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | -                  | -     | 3010                        | 3010  | 3010                                             | 3010  | 3010                         | 3010  | 3010                                             | -     | -                                | -     | -                                        | -     |
| 6175DC      | $P_i$ [kW]        | 5.11               | 4.39  | 3.72                        | 3.22  | 2.73                                             | 2.30  | 1.95                         | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 3150               | 3150  | 3150                        | 3150  | 3150                                             | 3150  | 3150                         | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 321                | 321   | 321                         | 321   | 321                                              | 321   | 321                          | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 29500              | 29500 | 29500                       | 29500 | 29500                                            | 29500 | 29500                        | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 3010               | 3010  | 3010                        | 3010  | 3010                                             | 3010  | 3010                         | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6180DA      | $P_i$ [kW]        | -                  | -     | -                           | 3.36  | 3.36                                             | 2.96  | 2.50                         | 2.14  | 1.81                                             | 1.45  | 1.22                             | 1.05  | 0.937                                    | 0.813 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | 3280  | 3880                                             | 4050  | 4050                         | 4050  | 4050                                             | 4060  | 4060                             | 4050  | 4060                                     | 4050  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | 335   | 395                                              | 413   | 413                          | 413   | 413                                              | 414   | 414                              | 413   | 414                                      | 413   |
|             | Pro[N]            | -                  | -     | -                           | 41700 | 41700                                            | 41700 | 41700                        | 41700 | 41700                                            | 41700 | 41700                            | 41700 | 41700                                    | 41700 |
|             | Pro[kgf]          | -                  | -     | -                           | 4250  | 4250                                             | 4250  | 4250                         | 4250  | 4250                                             | 4250  | 4250                             | 4250  | 4250                                     | 4250  |
| 6180DB      | $P_i$ [kW]        | 6.59               | 5.66  | 4.79                        | 4.15  | 3.51                                             | 2.96  | 2.50                         | 2.14  | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 4060               | 4060  | 4060                        | 4060  | 4060                                             | 4050  | 4050                         | 4050  | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 414                | 414   | 414                         | 414   | 414                                              | 413   | 413                          | 413   | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 40200              | 41700 | 41700                       | 41700 | 41700                                            | 41700 | 41700                        | 41700 | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 4100               | 4250  | 4250                        | 4250  | 4250                                             | 4250  | 4250                         | 4250  | -                                                | -     | -                                | -     | -                                        | -     |
| 6185DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | 3.36  | 3.09                         | 2.64  | 2.24                                             | 1.78  | 1.51                             | 1.30  | 1.15                                     | 1.00  |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | 4600  | 5000                         | 5000  | 5000                                             | 5000  | 5000                             | 5000  | 5000                                     | 5000  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | 468   | 510                          | 510   | 510                                              | 510   | 510                              | 510   | 510                                      | 510   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | 41700 | 41700                        | 41700 | 41700                                            | 41700 | 41700                            | 41600 | 41700                                    | 41700 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | 4250  | 4250                         | 4250  | 4250                                             | 4250  | 4250                             | 4240  | 4250                                     | 4250  |
| Frame Size  | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
|             | $n_2$ [r/min]     | 13.9               | 12.0  | 10.1                        | 8.79  | 7.44                                             | 6.28  | 5.31                         | 4.55  | 3.85                                             | 3.07  | 2.59                             | 2.23  | 1.98                                     | 1.72  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$ 

| 1.45         | 1.16         | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]     | Dim.<br>Page | Frame<br>Size |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|---------------|
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6160DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | $P_i$ [kW]        | CHH C-74     | <b>6165DA</b> |
| 2100         | 2100         | 2050         | 2100         | 2100         | 2100         | 2050         | 2100         | 2050         | 2050         | 2050         | 2050         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 214          | 214          | 209          | 214          | 214          | 214          | 209          | 214          | 209          | 209          | 209          | 209          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 22100        | 22100        | 21800        | 22100        | 22100        | 22100        | 21800        | 22100        | 21800        | 21800        | 21800        | 21800        | Pro[N]            |              |               |
| 2250         | 2250         | 2220         | 2250         | 2250         | 2250         | 2220         | 2250         | 2220         | 2220         | 2220         | 2220         | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-74     | <b>6165DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6165DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.426        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | 0.207        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | $P_i$ [kW]        | CHH C-74     | <b>6170DA</b> |
| 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | Pro[N]            |              |               |
| 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-74     | <b>6170DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6170DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.530        | 0.426        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.209</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | $P_i$ [kW]        | CHH C-74     | <b>6175DA</b> |
| 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | Pro[N]            |              |               |
| 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-74     | <b>6175DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6175DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>0.750</b> | <b>0.750</b> | 0.463        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | $P_i$ [kW]        | CHH C-74     | <b>6180DA</b> |
| 4050         | 4060         | 4060         | 4060         | 4050         | 4050         | 4060         | 4050         | 4060         | 4060         | 4060         | 4060         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 413          | 414          | 414          | 414          | 413          | 413          | 414          | 413          | 414          | 414          | 414          | 414          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | Pro[N]            |              |               |
| 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | Pro[kgf]          |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6180DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.841        | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | 0.408        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | $P_i$ [kW]        | CHH C-74     | <b>6185DA</b> |
| 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 41600        | 41700        | 41700        | 41700        | 41600        | 41600        | 41700        | 41600        | 41700        | 41700        | 41700        | 41700        | Pro[N]            |              |               |
| 4240         | 4250         | 4250         | 4250         | 4240         | 4240         | 4250         | 4240         | 4250         | 4250         | 4250         | 4250         | Pro[kgf]          |              |               |
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          | Dim.<br>Page | Frame<br>Size |
| 1.45         | 1.16         | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]     |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

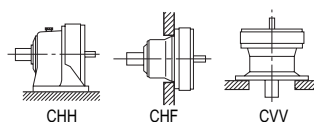
Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6185DB ~ 6235DB

| Input Speed |                   | $n_1 = 1450$ r/min |        | $n_1$ : Input Speed [r/min] |        | $T_{out}$ : Allowable output torque [N·m, kgf·m] |        | $n_2$ : Output Speed [r/min] |        | Pro: Allowable output shaft radial load [N, kgf] |        | $P$ : Allowable input power [kW] |        | *Consult us for Pro of CNF and CHF type. |        |
|-------------|-------------------|--------------------|--------|-----------------------------|--------|--------------------------------------------------|--------|------------------------------|--------|--------------------------------------------------|--------|----------------------------------|--------|------------------------------------------|--------|
| Frame Size  | $n_2$ [r/min]     | 13.9               | 12.0   | 10.1                        | 8.79   | 7.44                                             | 6.28   | 5.31                         | 4.55   | 3.85                                             | 3.07   | 2.59                             | 2.23   | 1.98                                     | 1.72   |
|             | Ratio[Z]          | 104                | 121    | 143                         | 165    | 195                                              | 231    | 273                          | 319    | 377                                              | 473    | 559                              | 649    | 731                                      | 841    |
| 6185DB      | $P_i$ [kW]        | 7.95               | 6.70   | 5.78                        | 5.03   | 4.26                                             | 3.65   | 3.09                         | 2.64   | 2.24                                             | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | 4900               | 4810   | 4900                        | 4920   | 4920                                             | 5000   | 5000                         | 5000   | 5000                                             | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | 500                | 490    | 500                         | 502    | 502                                              | 510    | 510                          | 510    | 510                                              | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | 39900              | 41700  | 41700                       | 41700  | 41700                                            | 41700  | 41700                        | 41700  | 41700                                            | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | 4060               | 4250   | 4250                        | 4250   | 4250                                             | 4250   | 4250                         | 4250   | 4250                                             | -      | -                                | -      | -                                        | -      |
| 6190DA      | $P_i$ [kW]        | -                  | -      | 6.25                        | 6.25   | 5.52                                             | 4.66   | 3.94                         | 3.37   | 2.85                                             | 2.28   | 1.93                             | 1.66   | 1.47                                     | 1.28   |
|             | $T_{out}$ [N·m]   | -                  | -      | 5300                        | 6110   | 6380                                             | 6380   | 6380                         | 6380   | 6380                                             | 6380   | 6380                             | 6380   | 6380                                     | 6380   |
|             | $T_{out}$ [kgf·m] | -                  | -      | 540                         | 623    | 650                                              | 650    | 650                          | 650    | 650                                              | 650    | 650                              | 650    | 650                                      | 650    |
|             | Pro[N]            | -                  | -      | 59000                       | 59000  | 58900                                            | 59000  | 59000                        | 59000  | 59000                                            | 59000  | 59000                            | 58600  | 59000                                    | 59000  |
|             | Pro[kgf]          | -                  | -      | 6010                        | 6010   | 6000                                             | 6010   | 6010                         | 6010   | 6010                                             | 6010   | 6010                             | 5970   | 6010                                     | 6010   |
| 6190DB      | $P_i$ [kW]        | 10.3               | 8.90   | 7.53                        | 6.52   | 5.52                                             | 4.66   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | 6380               | 6380   | 6380                        | 6380   | 6380                                             | 6380   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | 650                | 650    | 650                         | 650    | 650                                              | 650    | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | 55800              | 59000  | 58700                       | 58900  | 58900                                            | 59000  | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | 5690               | 6010   | 5980                        | 6000   | 6000                                             | 6010   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6195DA      | $P_i$ [kW]        | -                  | -      | -                           | -      | 5.63                                             | 5.81   | 4.92                         | 4.21   | 3.56                                             | 2.84   | 2.40                             | 2.07   | 1.84                                     | 1.60   |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | -      | 6500                                             | 7960   | 7960                         | 7960   | 7960                                             | 7960   | 7960                             | 7960   | 7960                                     | 7960   |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | -      | 663                                              | 811    | 811                          | 811    | 811                                              | 811    | 811                              | 811    | 811                                      | 811    |
|             | Pro[N]            | -                  | -      | -                           | -      | 58800                                            | 59000  | 59000                        | 59000  | 59000                                            | 59000  | 59000                            | 58100  | 59000                                    | 59000  |
|             | Pro[kgf]          | -                  | -      | -                           | -      | 6000                                             | 6010   | 6010                         | 6010   | 6010                                             | 6010   | 6010                             | 5930   | 6010                                     | 6010   |
| 6195DB      | $P_i$ [kW]        | 11.9               | 10.6   | 9.00                        | 8.09   | 6.84                                             | 5.81   | 4.92                         | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | 7350               | 7580   | 7630                        | 7910   | 7910                                             | 7960   | 7960                         | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | 750                | 773    | 778                         | 806    | 806                                              | 811    | 811                          | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | 55400              | 59000  | 58200                       | 58300  | 58300                                            | 59000  | 59000                        | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | 5650               | 6010   | 5940                        | 5940   | 5940                                             | 6010   | 6010                         | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6205DA      | $P_i$ [kW]        | -                  | -      | -                           | -      | -                                                | 5.17   | 4.27                         | 3.83   | 2.95                                             | 2.64   | 2.20                             | 2.20   | 2.20                                     | -      |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | -      | -                                                | 8370   | 8080                         | 8550   | 8280                                             | 8760   | 8300                             | 9300   | 9230                                     | -      |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | -      | -                                                | 853    | 823                          | 872    | 844                                              | 893    | 846                              | 948    | 941                                      | -      |
|             | Pro[N]            | -                  | -      | -                           | -      | -                                                | 84100  | 84100                        | 84100  | 84100                                            | 84100  | 84100                            | 84100  | 84100                                    | 84100  |
|             | Pro[kgf]          | -                  | -      | -                           | -      | -                                                | 8570   | 8570                         | 8570   | 8570                                             | 8570   | 8570                             | 8570   | 8570                                     | 8570   |
| 6205DB      | $P_i$ [kW]        | -                  | 11.9   | -                           | 9.48   | 8.02                                             | 6.77   | 5.73                         | 4.88   | 4.13                                             | 3.32   | 2.81                             | 2.42   | 2.20                                     | -      |
|             | $T_{out}$ [N·m]   | -                  | 8560   | -                           | 9270   | 9270                                             | 9270   | 9270                         | 9230   | 9230                                             | 9300   | 9300                             | 9300   | 9300                                     | -      |
|             | $T_{out}$ [kgf·m] | -                  | 872    | -                           | 945    | 945                                              | 945    | 945                          | 941    | 941                                              | 948    | 948                              | 948    | 948                                      | -      |
|             | Pro[N]            | -                  | 84100  | -                           | 84100  | 84100                                            | 84100  | 84100                        | 84100  | 84100                                            | 84100  | 84100                            | 84100  | 84100                                    | -      |
|             | Pro[kgf]          | -                  | 8570   | -                           | 8570   | 8570                                             | 8570   | 8570                         | 8570   | 8570                                             | 8570   | 8570                             | 8570   | 8570                                     | -      |
| 6215DA      | $P_i$ [kW]        | -                  | -      | -                           | 11.9   | 10.5                                             | 9.13   | 7.72                         | 6.69   | 5.66                                             | 4.51   | 3.82                             | 3.29   | 2.92                                     | 2.54   |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | 11700  | 12200                                            | 12500  | 12500                        | 12700  | 12700                                            | 12700  | 12700                            | 12700  | 12700                                    | 12700  |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | 1190   | 1240                                             | 1270   | 1270                         | 1290   | 1290                                             | 1290   | 1290                             | 1290   | 1290                                     | 1290   |
|             | Pro[N]            | -                  | -      | -                           | 104000 | 104000                                           | 104000 | 104000                       | 104000 | 104000                                           | 104000 | 104000                           | 104000 | 104000                                   | 104000 |
|             | Pro[kgf]          | -                  | -      | -                           | 10600  | 10600                                            | 10600  | 10600                        | 10600  | 10600                                            | 10600  | 10600                            | 10600  | 10600                                    | 10600  |
| 6215DB      | $P_i$ [kW]        | -                  | 15.9   | -                           | 12.4   | 10.5                                             | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | -                  | 11400  | -                           | 12200  | 12200                                            | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | -                  | 1160   | -                           | 1240   | 1240                                             | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | -                  | 104000 | -                           | 104000 | 104000                                           | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | -                  | 10600  | -                           | 10600  | 10600                                            | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6225DA      | $P_i$ [kW]        | -                  | -      | -                           | 10.8   | 10.8                                             | 9.15   | 7.95                         | 6.73   | 5.71                                             | 4.83   | 4.13                             | 3.69   | 3.02                                     | -      |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | 12500  | 14800                                            | 14800  | 15000                        | 15000  | 16000                                            | 16000  | 15900                            | 16000  | 15000                                    | -      |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | 1270   | 1510                                             | 1510   | 1530                         | 1530   | 1630                                             | 1630   | 1620                             | 1630   | 1530                                     | -      |
|             | Pro[N]            | -                  | -      | -                           | 129000 | 137000                                           | 145000 | 145000                       | 145000 | 145000                                           | 145000 | 145000                           | 145000 | 145000                                   | -      |
|             | Pro[kgf]          | -                  | -      | -                           | 13200  | 14000                                            | 14700  | 14800                        | 14800  | 14800                                            | 14800  | 14800                            | 14800  | 14800                                    | -      |
| 6225DB      | $P_i$ [kW]        | -                  | 18.8   | -                           | 14.8   | 12.5                                             | 10.8   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | -                  | 13500  | -                           | 14500  | 14500                                            | 14800  | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | -                  | 1370   | -                           | 1480   | 1480                                             | 1510   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | -                  | 113000 | -                           | 122000 | 129000                                           | 137000 | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | -                  | 11500  | -                           | 12500  | 13100                                            | 14000  | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6235DA      | $P_i$ [kW]        | -                  | 25.4   | -                           | 20.0   | 17.0                                             | 13.8   | 11.7                         | 10.00  | 8.46                                             | 7.31   | 6.19                             | 5.33   | 4.73                                     | 3.79   |
|             | $T_{out}$ [N·m]   | -                  | 18200  | -                           | 19600  | 19600                                            | 18900  | 18900                        | 18900  | 18900                                            | 20500  | 20500                            | 20500  | 20500                                    | 18900  |
|             | $T_{out}$ [kgf·m] | -                  | 1860   | -                           | 2000   | 2000                                             | 1930   | 1930                         | 1930   | 1930                                             | 2090   | 2090                             | 2090   | 2090                                     | 1930   |
|             | Pro[N]            | -                  | 141000 | -                           | 151000 | 159000                                           | 171000 | 179000                       | 179000 | 179000                                           | 179000 | 179000                           | 179000 | 179000                                   | 179000 |
|             | Pro[kgf]          | -                  | 14300  | -                           | 15400  | 16200                                            | 17400  | 18200                        | 18200  | 18200                                            | 18200  | 18200                            | 18200  | 18200                                    | 18200  |
| 6235DB      | $P_i$ [kW]        | -                  | 26.1   | -                           | 20.0   | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | -                  | 18700  | -                           | 19600  | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | -                  | 1910   | -                           | 2000   | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | -                  | 141000 | -                           | 151000 | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | -                  | 14300  | -                           | 15400  | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| Frame Size  | Ratio[Z]          | 104                | 121    | 143                         | 165    | 195                                              | 231    | 273                          | 319    | 377                                              | 473    | 559                              | 649    | 731                                      | 841    |
|             | $n_2$ [r/min]     | 13.9               | 12.0   | 10.1                        | 8.79   | 7.44                                             | 6.28   | 5.31                         | 4.55   | 3.85                                             | 3.07   | 2.59                             | 2.23   | 1.98                                     | 1.72   |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$ 

| 1.45        | 1.16        | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]     | Dim.<br>Page | Frame<br>Size |
|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|---------------|
| 1003        | 1247        | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6185DB</b> |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1.07        | 0.863       | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | $P_i$ [kW]        | CHH C-75     | <b>6190DA</b> |
| 6380        | 6380        | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 650         | 650         | 650          | 650          | 650          | 650          | 650          | 650          | 650          | 650          | 650          | 650          | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 58600       | 59000       | 58900        | 59000        | 58600        | 58600        | 58900        | 58600        | 58900        | 58900        | 58900        | 58900        | Pro[N]            |              |               |
| 5970        | 6010        | 6000         | 6010         | 5970         | 5970         | 6000         | 5970         | 6000         | 6000         | 6000         | 6000         | Pro[kgf]          |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6190DB</b> |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1.34        | 1.08        | 0.908        | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | $P_i$ [kW]        | CHH C-75     | <b>6195DA</b> |
| 7960        | 7960        | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 811         | 811         | 811          | 811          | 811          | 811          | 811          | 811          | 811          | 811          | 811          | 811          | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 58100       | 59000       | 58400        | 59000        | 58100        | 58100        | 58400        | 58100        | 58400        | 58400        | 58400        | 58400        | Pro[N]            |              |               |
| 5930        | 6010        | 5950         | 6010         | 5930         | 5930         | 5950         | 5930         | 5950         | 5950         | 5950         | 5950         | Pro[kgf]          |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6195DB</b> |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 2.20        | 1.50        | 1.50         | 1.50         | 1.50         | 0.750        | 0.750        | 0.750        | 0.750        | 0.750        | 0.750        | 0.750        | $P_i$ [kW]        | CHH C-75     | <b>6205DA</b> |
| 9300        | 9300        | 8760         | 9300         | 9300         | 9300         | 8760         | 9300         | 8760         | 9300         | 8760         | 8760         | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 948         | 948         | 893          | 948          | 948          | 948          | 893          | 948          | 893          | 948          | 893          | 893          | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 84100       | 84100       | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | Pro[N]            |              |               |
| 8570        | 8570        | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | Pro[kgf]          |              |               |
| <b>2.20</b> | -           | <b>1.50</b>  | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6205DB</b> |
| 9300        | -           | 8760         | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 948         | -           | 893          | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 84100       | -           | 84100        | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| 8570        | -           | 8570         | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>2.20</b> | <b>2.20</b> | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | $P_i$ [kW]        | CHH C-75     | <b>6215DA</b> |
| 12700       | 12700       | 11300        | 12700        | 12700        | 12700        | 11300        | 12700        | 11300        | 12700        | 11300        | 11300        | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 1290        | 1290        | 1150         | 1290         | 1290         | 1290         | 1150         | 1290         | 1150         | 1290         | 1150         | 1150         | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 104000      | 104000      | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | Pro[N]            |              |               |
| 10600       | 10600       | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | Pro[kgf]          |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6215DB</b> |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 2.67        | <b>2.20</b> | <b>2.20</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | $P_i$ [kW]        | CHH C-75     | <b>6225DA</b> |
| 15900       | 16000       | 15100        | 16000        | 15900        | 15900        | 15100        | 15900        | 15100        | 15900        | 15100        | 15100        | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 1620        | 1630        | 1540         | 1630         | 1620         | 1620         | 1540         | 1620         | 1540         | 1620         | 1540         | 1540         | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 145000      | 145000      | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | Pro[N]            |              |               |
| 14800       | 14800       | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | Pro[kgf]          |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6225DB</b> |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 3.45        | 2.77        | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | $P_i$ [kW]        | CHH C-75     | <b>6235DA</b> |
| 20500       | 20500       | 17200        | 20500        | 20500        | 20500        | 17200        | 20500        | 17200        | 20500        | 17200        | 17200        | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 2090        | 2090        | 1750         | 2090         | 2090         | 2090         | 1750         | 2090         | 1750         | 2090         | 1750         | 1750         | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 179000      | 179000      | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | Pro[N]            |              |               |
| 18200       | 18200       | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | Pro[kgf]          |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6235DB</b> |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1003        | 1247        | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          | Dim.<br>Page | Frame<br>Size |
| 1.45        | 1.16        | 0.980        | 0.784        | 0.702        | 0.572        | 0.476        | 0.417        | 0.327        | 0.282        | 0.235        | 0.192        | $n_2$ [r/min]     |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6245DA ~ 6275DA

|             |                    |                                    |                                                  |
|-------------|--------------------|------------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 1450$ r/min | $n_1$ : Input Speed [r/min]        | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                    | $n_2$ : Output Speed [r/min]       | Pro: Allowable output shaft radial load [N, kgf] |
|             |                    | $P_i$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |
|             |                    |                                    |                                                  |

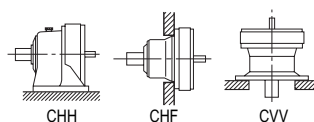
| Frame Size | $n_2$ [r/min]     | 13.9 | 12.0   | 10.1 | 8.79   | 7.44   | 6.28   | 5.31   | 4.55   | 3.85   | 3.07   | 2.59   | 2.23   | 1.98   | 1.72   |
|------------|-------------------|------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|            | Ratio[Z]          | 104  | 121    | 143  | 165    | 195    | 231    | 273    | 319    | 377    | 473    | 559    | 649    | 731    | 841    |
| 6245DA     | $P_i$ [kW]        | -    | -      | -    | 25.4   | 22.7   | 18.8   | 15.9   | 13.6   | 11.5   | 9.20   | 7.79   | 6.71   | 5.95   | 5.18   |
|            | $T_{out}$ [N·m]   | -    | -      | -    | 24800  | 26200  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  |
|            | $T_{out}$ [kgf·m] | -    | -      | -    | 2530   | 2680   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   |
|            | Pro[N]            | -    | -      | -    | 168000 | 177000 | 189000 | 199000 | 208000 | 208000 | 208000 | 208000 | 208000 | 208000 | 208000 |
|            | Pro[kgf]          | -    | -      | -    | 17100  | 18000  | 19300  | 20300  | 21200  | 21200  | 21200  | 21200  | 21200  | 21200  | 21200  |
| 6245DB     | $P_i$ [kW]        | -    | 28.6   | -    | 26.8   | 22.7   | 18.8   | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [N·m]   | -    | 20500  | -    | 26200  | 26200  | 25800  | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [kgf·m] | -    | 2090   | -    | 2680   | 2680   | 2630   | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[N]            | -    | 156000 | -    | 168000 | 177000 | 189000 | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[kgf]          | -    | 15900  | -    | 17100  | 18000  | 19300  | -      | -      | -      | -      | -      | -      | -      | -      |
| 6255DA     | $P_i$ [kW]        | -    | 31.8   | -    | 31.8   | 27.0   | 22.6   | 19.2   | 17.2   | 14.5   | 12.3   | 10.4   | 8.97   | 7.96   | 6.51   |
|            | $T_{out}$ [N·m]   | -    | 22800  | -    | 31100  | 31200  | 31000  | 31000  | 32500  | 32500  | 34500  | 34500  | 34500  | 34500  | 32500  |
|            | $T_{out}$ [kgf·m] | -    | 2330   | -    | 3170   | 3180   | 3160   | 3160   | 3310   | 3310   | 3520   | 3520   | 3520   | 3520   | 3310   |
|            | Pro[N]            | -    | 192000 | -    | 206000 | 216000 | 231000 | 243000 | 255000 | 258000 | 258000 | 258000 | 258000 | 258000 | 258000 |
|            | Pro[kgf]          | -    | 19600  | -    | 21000  | 22100  | 23500  | 24700  | 26000  | 26300  | 26300  | 26300  | 26300  | 26300  | 26300  |
| 6255DB     | $P_i$ [kW]        | -    | 38.3   | -    | 31.9   | 27.0   | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [N·m]   | -    | 27500  | -    | 31200  | 31200  | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [kgf·m] | -    | 2800   | -    | 3180   | 3180   | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[N]            | -    | 191000 | -    | 206000 | 216000 | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[kgf]          | -    | 19500  | -    | 21000  | 22100  | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 6265DA     | $P_i$ [kW]        | -    | 43.7   | -    | 44.7   | 37.8   | 33.6   | 28.4   | 24.3   | 20.6   | 16.4   | 13.9   | 12.0   | 10.6   | 9.23   |
|            | $T_{out}$ [N·m]   | -    | 31300  | -    | 43700  | 43700  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  |
|            | $T_{out}$ [kgf·m] | -    | 3190   | -    | 4460   | 4460   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   |
|            | Pro[N]            | -    | 234000 | -    | 250000 | 263000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 |
|            | Pro[kgf]          | -    | 23800  | -    | 25500  | 26800  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  |
| 6275DA     | $P_i$ [kW]        | -    | -      | -    | -      | -      | -      | 36.1   | 30.5   | 24.3   | 20.6   | 17.7   | 15.7   | 13.7   |        |
|            | $T_{out}$ [N·m]   | -    | -      | -    | -      | -      | -      | 68200  | 68200  | 68200  | 68200  | 68200  | 68200  | 68200  | 68200  |
|            | $T_{out}$ [kgf·m] | -    | -      | -    | -      | -      | -      | 6950   | 6950   | 6950   | 6950   | 6950   | 6950   | 6950   | 6950   |
|            | Pro[N]            | -    | -      | -    | -      | -      | -      | 248000 | 248000 | 248000 | 248000 | 248000 | 248000 | 248000 | 248000 |
|            | Pro[kgf]          | -    | -      | -    | -      | -      | -      | 25300  | 25300  | 25300  | 25300  | 25300  | 25300  | 25300  | 25300  |
| Frame Size | Ratio[Z]          | 104  | 121    | 143  | 165    | 195    | 231    | 273    | 319    | 377    | 473    | 559    | 649    | 731    | 841    |
|            | $n_2$ [r/min]     | 13.9 | 12.0   | 10.1 | 8.79   | 7.44   | 6.28   | 5.31   | 4.55   | 3.85   | 3.07   | 2.59   | 2.23   | 1.98   | 1.72   |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$ 

| 1.45   | 1.16   | 0.980       | 0.784       | 0.702       | 0.572       | 0.476       | 0.417       | 0.327       | 0.282       | 0.235       | 0.192       | $n_2$ [r/min]     | Dim. Page | Frame Size    |
|--------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|-----------|---------------|
| 1003   | 1247   | 1479        | 1849        | 2065        | 2537        | 3045        | 3481        | 4437        | 5133        | 6177        | 7569        | Ratio[Z]          |           |               |
| 4.34   | 3.49   | 2.58        | 2.35        | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | $P_i$ [kW]        | CHH C-75  | <b>6245DA</b> |
| 25800  | 25800  | 22600       | 25800       | 25800       | 25800       | 22600       | 25800       | 22600       | 25800       | 22600       | 22600       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 2630   | 2630   | 2310        | 2630        | 2630        | 2630        | 2310        | 2630        | 2310        | 2630        | 2310        | 2310        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 208000 | 208000 | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | Pro[N]            |           |               |
| 21200  | 21200  | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | Pro[kgf]          |           |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | $P_i$ [kW]        | CHH C-75  | <b>6245DB</b> |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[N]            |           |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[kgf]          |           |               |
| 5.80   | 4.67   | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | $P_i$ [kW]        | CHH C-75  | <b>6255DA</b> |
| 34500  | 34500  | 31000       | 34500       | 34500       | 34500       | 31000       | 34500       | 31000       | 34500       | 31000       | 31000       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 3520   | 3520   | 3160        | 3520        | 3520        | 3520        | 3160        | 3520        | 3160        | 3520        | 3160        | 3160        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 258000 | 258000 | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | Pro[N]            |           |               |
| 26300  | 26300  | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | Pro[kgf]          |           |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | $P_i$ [kW]        | CHH C-75  | <b>6255DB</b> |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[N]            |           |               |
| -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[kgf]          |           |               |
| 7.74   | 6.22   | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | $P_i$ [kW]        | CHH C-75  | <b>6265DA</b> |
| 46000  | 46000  | 44000       | 46000       | 46000       | 46000       | 44000       | 46000       | 44000       | 46000       | 44000       | 44000       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 4690   | 4690   | 4490        | 4690        | 4690        | 4690        | 4490        | 4690        | 4490        | 4690        | 4490        | 4490        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 276000 | 276000 | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | Pro[N]            |           |               |
| 28100  | 28100  | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | Pro[kgf]          |           |               |
| 11.5   | 9.23   | 7.78        | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | $P_i$ [kW]        | CHH C-75  | <b>6275DA</b> |
| 68200  | 68200  | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 6950   | 6950   | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 248000 | 248000 | 245000      | 248000      | 248000      | 248000      | 245000      | 248000      | 245000      | 245000      | 245000      | 245000      | Pro[N]            |           |               |
| 25300  | 25300  | 25000       | 25300       | 25300       | 25300       | 25000       | 25300       | 25000       | 25000       | 25000       | 25000       | Pro[kgf]          |           |               |
| 1003   | 1247   | 1479        | 1849        | 2065        | 2537        | 3045        | 3481        | 4437        | 5133        | 6177        | 7569        | Ratio[Z]          | Dim. Page | Frame Size    |
| 1.45   | 1.16   | 0.980       | 0.784       | 0.702       | 0.572       | 0.476       | 0.417       | 0.327       | 0.282       | 0.235       | 0.192       | $n_2$ [r/min]     |           |               |

REDUCERS

Selection Tables  
Ratio 104, 121 - 7569

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

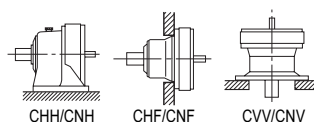
Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6060DA ~ 6130DA

| Input Speed |                   | $n_1 = 1750$ r/min |       | $n_1$ : Input Speed [r/min] |       | $T_{out}$ : Allowable output torque [N·m, kgf·m] |       | $n_2$ : Output Speed [r/min] |       | Pro: Allowable output shaft radial load [N, kgf] |       | $P$ : Allowable input power [kW] |       | *Consult us for Pro of CNF and CHF type. |       |
|-------------|-------------------|--------------------|-------|-----------------------------|-------|--------------------------------------------------|-------|------------------------------|-------|--------------------------------------------------|-------|----------------------------------|-------|------------------------------------------|-------|
| Frame Size  | $n_2$ [r/min]     | 16.8               | 14.5  | 12.2                        | 10.6  | 8.97                                             | 7.58  | 6.41                         | 5.49  | 4.64                                             | 3.70  | 3.13                             | 2.70  | 2.39                                     | 2.08  |
|             | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
| 6060DA      | $P_i$ [kW]        | 0.100              | 0.100 | 0.100                       | 0.100 | 0.100                                            | 0.100 | 0.100                        | 0.100 | 0.100                                            | 0.100 | 0.100                            | -     | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 24.0               | 24.0  | 24.0                        | 24.0  | 24.0                                             | 24.0  | 24.0                         | 24.0  | 24.0                                             | 24.0  | 24.0                             | -     | 24.0                                     | 24.0  |
|             | $T_{out}$ [kgf·m] | 2.45               | 2.45  | 2.45                        | 2.45  | 2.45                                             | 2.45  | 2.45                         | 2.45  | 2.45                                             | 2.45  | 2.45                             | -     | 2.45                                     | 2.45  |
|             | Pro[N]            | 1180               | 1180  | 1180                        | 1180  | 1180                                             | 1180  | 1180                         | 1180  | 1180                                             | 1180  | 1180                             | -     | 1180                                     | 1180  |
|             | Pro[kgf]          | 120                | 120   | 120                         | 120   | 120                                              | 120   | 120                          | 120   | 120                                              | 120   | 120                              | -     | 120                                      | 120   |
| 6065DA      | $P_i$ [kW]        | 0.100              | 0.100 | 0.100                       | 0.100 | 0.100                                            | 0.100 | 0.100                        | 0.100 | 0.100                                            | 0.100 | 0.100                            | -     | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 30.0               | 30.0  | 30.0                        | 30.0  | 30.0                                             | 30.0  | 30.0                         | 30.0  | 30.0                                             | 30.0  | 30.0                             | -     | 30.0                                     | 30.0  |
|             | $T_{out}$ [kgf·m] | 3.06               | 3.06  | 3.06                        | 3.06  | 3.06                                             | 3.06  | 3.06                         | 3.06  | 3.06                                             | 3.06  | 3.06                             | -     | 3.06                                     | 3.06  |
|             | Pro[N]            | 1180               | 1140  | 1180                        | 1180  | 1180                                             | 1180  | 1180                         | 1180  | 1180                                             | 1180  | 1180                             | -     | 1180                                     | 1180  |
|             | Pro[kgf]          | 120                | 116   | 120                         | 120   | 120                                              | 120   | 120                          | 120   | 120                                              | 120   | 120                              | -     | 120                                      | 120   |
| 6070DA      | $P_i$ [kW]        | 0.100              | 0.100 | 0.100                       | 0.100 | 0.100                                            | 0.100 | 0.100                        | 0.100 | 0.100                                            | 0.100 | 0.100                            | 0.100 | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 45.0               | 45.0  | 45.0                        | 45.0  | 45.0                                             | 45.0  | 45.0                         | 45.0  | 45.0                                             | 45.0  | 45.0                             | 45.0  | 45.0                                     | 45.0  |
|             | $T_{out}$ [kgf·m] | 4.59               | 4.59  | 4.59                        | 4.59  | 4.59                                             | 4.59  | 4.59                         | 4.59  | 4.59                                             | 4.59  | 4.59                             | 4.59  | 4.59                                     | 4.59  |
|             | Pro[N]            | 1770               | 1770  | 1770                        | 1770  | 1770                                             | 1770  | 1770                         | 1770  | 1770                                             | 1770  | 1770                             | 1770  | 1770                                     | 1770  |
|             | Pro[kgf]          | 180                | 180   | 180                         | 180   | 180                                              | 180   | 180                          | 180   | 180                                              | 180   | 180                              | 180   | 180                                      | 180   |
| 6075DA      | $P_i$ [kW]        | 0.117              | 0.100 | 0.100                       | 0.100 | 0.100                                            | 0.100 | 0.100                        | 0.100 | 0.100                                            | 0.100 | 0.100                            | 0.100 | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 60.0               | 50.8  | 60.0                        | 60.0  | 60.0                                             | 60.0  | 60.0                         | 60.0  | 60.0                                             | 60.0  | 60.0                             | 57.4  | 60.0                                     | 60.0  |
|             | $T_{out}$ [kgf·m] | 6.12               | 5.18  | 6.12                        | 6.12  | 6.12                                             | 6.12  | 6.12                         | 6.12  | 6.12                                             | 6.12  | 6.12                             | 5.85  | 6.12                                     | 6.12  |
|             | Pro[N]            | 1770               | 1770  | 1770                        | 1770  | 1770                                             | 1770  | 1770                         | 1770  | 1770                                             | 1660  | 1660                             | 1580  | 1660                                     | 1770  |
|             | Pro[kgf]          | 180                | 180   | 180                         | 180   | 180                                              | 180   | 180                          | 180   | 180                                              | 169   | 169                              | 161   | 169                                      | 180   |
| 6090DA      | $P_i$ [kW]        | 0.294              | 0.252 | 0.214                       | 0.185 | 0.157                                            | 0.132 | 0.112                        | 0.100 | 0.100                                            | 0.100 | 0.100                            | 0.100 | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 150                | 150   | 150                         | 150   | 150                                              | 150   | 150                          | 150   | 150                                              | 150   | 150                              | 146   | 150                                      | 150   |
|             | $T_{out}$ [kgf·m] | 15.3               | 15.3  | 15.3                        | 15.3  | 15.3                                             | 15.3  | 15.3                         | 15.3  | 15.3                                             | 15.3  | 15.3                             | 14.9  | 15.3                                     | 15.3  |
|             | Pro[N]            | 3340               | 3340  | 3340                        | 3340  | 3340                                             | 3340  | 3340                         | 3290  | 3290                                             | 3310  | 3310                             | 3300  | 3310                                     | 3290  |
|             | Pro[kgf]          | 340                | 340   | 340                         | 340   | 340                                              | 340   | 340                          | 336   | 336                                              | 338   | 338                              | 336   | 338                                      | 336   |
| 6095DA      | $P_i$ [kW]        | 0.354              | 0.270 | 0.261                       | 0.247 | 0.209                                            | 0.176 | 0.149                        | 0.128 | 0.108                                            | 0.100 | 0.100                            | -     | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 181                | 160   | 183                         | 200   | 200                                              | 200   | 200                          | 200   | 200                                              | 200   | 200                              | -     | 200                                      | 200   |
|             | $T_{out}$ [kgf·m] | 18.4               | 16.4  | 18.7                        | 20.4  | 20.4                                             | 20.4  | 20.4                         | 20.4  | 20.4                                             | 20.4  | 20.4                             | -     | 20.4                                     | 20.4  |
|             | Pro[N]            | 3340               | 3340  | 3340                        | 3340  | 3340                                             | 3340  | 3340                         | 3200  | 3200                                             | 3220  | 3220                             | -     | 3220                                     | 3200  |
|             | Pro[kgf]          | 340                | 340   | 340                         | 340   | 340                                              | 340   | 340                          | 326   | 326                                              | 328   | 328                              | -     | 328                                      | 326   |
| 6100DA      | $P_i$ [kW]        | 0.429              | 0.421 | 0.356                       | 0.308 | 0.261                                            | 0.220 | 0.186                        | 0.160 | 0.135                                            | 0.108 | 0.100                            | 0.100 | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 219                | 250   | 250                         | 250   | 250                                              | 250   | 250                          | 250   | 250                                              | 250   | 250                              | 250   | 250                                      | 250   |
|             | $T_{out}$ [kgf·m] | 22.4               | 25.5  | 25.5                        | 25.5  | 25.5                                             | 25.5  | 25.5                         | 25.5  | 25.5                                             | 25.5  | 25.5                             | 25.5  | 25.5                                     | 25.5  |
|             | Pro[N]            | 5400               | 5400  | 5400                        | 5400  | 5400                                             | 5400  | 5400                         | 5400  | 5400                                             | 5400  | 5400                             | 5400  | 5400                                     | 5400  |
|             | Pro[kgf]          | 550                | 550   | 550                         | 550   | 550                                              | 550   | 550                          | 550   | 550                                              | 550   | 550                              | 550   | 550                                      | 550   |
| 6105DA      | $P_i$ [kW]        | 0.429              | 0.429 | 0.427                       | 0.370 | 0.313                                            | 0.264 | 0.224                        | 0.191 | 0.162                                            | 0.129 | 0.109                            | 0.100 | 0.100                                    | 0.100 |
|             | $T_{out}$ [N·m]   | 219                | 255   | 300                         | 300   | 300                                              | 300   | 300                          | 300   | 300                                              | 300   | 300                              | 296   | 300                                      | 300   |
|             | $T_{out}$ [kgf·m] | 22.4               | 26.0  | 30.6                        | 30.6  | 30.6                                             | 30.6  | 30.6                         | 30.6  | 30.6                                             | 30.6  | 30.6                             | 30.2  | 30.6                                     | 30.6  |
|             | Pro[N]            | 5400               | 5400  | 5400                        | 5400  | 5400                                             | 5400  | 5400                         | 5400  | 5400                                             | 5400  | 5400                             | 5090  | 5400                                     | 5400  |
|             | Pro[kgf]          | 550                | 550   | 550                         | 550   | 550                                              | 550   | 550                          | 550   | 550                                              | 550   | 550                              | 519   | 550                                      | 550   |
| 6120DA      | $P_i$ [kW]        | -                  | -     | 0.429                       | 0.429 | 0.429                                            | 0.429 | 0.389                        | 0.332 | 0.281                                            | 0.226 | 0.191                            | 0.165 | 0.146                                    | 0.126 |
|             | $T_{out}$ [N·m]   | -                  | -     | 302                         | 348   | 411                                              | 487   | 522                          | 520   | 520                                              | 525   | 525                              | 525   | 525                                      | 520   |
|             | $T_{out}$ [kgf·m] | -                  | -     | 30.7                        | 35.5  | 41.9                                             | 49.7  | 53.2                         | 53.0  | 53.0                                             | 53.5  | 53.5                             | 53.5  | 53.5                                     | 53.0  |
|             | Pro[N]            | -                  | -     | 9810                        | 9810  | 9810                                             | 9810  | 9810                         | 9810  | 9810                                             | 9810  | 9810                             | 9810  | 9810                                     | 9810  |
|             | Pro[kgf]          | -                  | -     | 1000                        | 1000  | 1000                                             | 1000  | 1000                         | 1000  | 1000                                             | 1000  | 1000                             | 1000  | 1000                                     | 1000  |
| 6120DB      | $P_i$ [kW]        | 1.03               | 0.883 | 0.748                       | 0.648 | 0.548                                            | 0.460 | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 525                | 525   | 525                         | 525   | 525                                              | 522   | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 53.5               | 53.5  | 53.5                        | 53.5  | 53.5                                             | 53.2  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 9810               | 9810  | 9810                        | 9810  | 9810                                             | 9810  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1000               | 1000  | 1000                        | 1000  | 1000                                             | 1000  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6125DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | 0.429 | 0.429                        | 0.402 | 0.340                                            | 0.271 | 0.229                            | 0.198 | 0.175                                    | 0.153 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | 487   | 576                          | 630   | 630                                              | 630   | 630                              | 630   | 630                                      | 630   |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | 49.7  | 58.7                         | 64.2  | 64.2                                             | 64.2  | 64.2                             | 64.2  | 64.2                                     | 64.2  |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | 9810  | 9810                         | 9810  | 9810                                             | 9810  | 9810                             | 9810  | 9810                                     | 9810  |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | 1000  | 1000                         | 1000  | 1000                                             | 1000  | 1000                             | 1000  | 1000                                     | 1000  |
| 6125DB      | $P_i$ [kW]        | 1.23               | 1.05  | 0.897                       | 0.777 | 0.658                                            | 0.555 | 0.470                        | 0.402 | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 630                | 622   | 630                         | 630   | 630                                              | 630   | 630                          | 630   | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 64.2               | 63.4  | 64.2                        | 64.2  | 64.2                                             | 64.2  | 64.2                         | 64.2  | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 9810               | 9810  | 9810                        | 9810  | 9810                                             | 9810  | 9810                         | 9810  | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1000               | 1000  | 1000                        | 1000  | 1000                                             | 1000  | 1000                         | 1000  | -                                                | -     | -                                | -     | -                                        | -     |
| 6130DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | 0.429 | 0.429                        | 0.421 | 0.336                                            | 0.284 | 0.286                            | 0.217 | 0.200                                    | -     |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | 576   | 673                          | 780   | 780                                              | 780   | 912                              | 780   | 780                                      | -     |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | 58.7  | 68.6                         | 79.5  | 79.5                                             | 79.5  | 93.0                             | 79.5  | 79.5                                     | -     |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | 14700 | 14700                        | 14700 | 14700                                            | 14700 | 14700                            | 14700 | 14700                                    | -     |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | 1500  | 1500                         | 1500  | 1500                                             | 1500  | 1500                             | 1500  | 1500                                     | -     |
| Frame Size  | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
|             | $n_2$ [r/min]     | 16.8               | 14.5  | 12.2                        | 10.6  | 8.97                                             | 7.58  | 6.41                         | 5.49  | 4.64                                             | 3.70  | 3.13                             | 2.70  | 2.39                                     | 2.08  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750 \text{ r/min}$ 

| 1.74         | 1.40         | 1.18         | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]            | Dim.<br>Page | Frame<br>Size |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|---------------|
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]                 |              |               |
| -            | <b>0.100</b> | -            | <b>0.100</b> | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6060DA</b> |
| -            | 24.0         | -            | 24.0         | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| -            | 2.45         | -            | 2.45         | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| -            | 1180         | -            | 1180         | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | 120          | -            | 120          | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| -            | <b>0.100</b> | -            | <b>0.100</b> | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6065DA</b> |
| -            | 30.0         | -            | 30.0         | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| -            | 3.06         | -            | 3.06         | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| -            | 1180         | -            | 1180         | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | 120          | -            | 120          | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| <b>0.100</b> | <b>0.100</b> | -            | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | -            | -            | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6070DA</b> |
| 45.0         | 45.0         | -            | 45.0         | 45.0         | 45.0         | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 4.59         | 4.59         | -            | 4.59         | 4.59         | 4.59         | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 1770         | 1770         | -            | 1770         | 1770         | 1770         | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| 180          | 180          | -            | 180          | 180          | 180          | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| <b>0.100</b> | <b>0.100</b> | -            | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | -            | -            | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6075DA</b> |
| 57.4         | 60.0         | -            | 60.0         | 57.4         | 57.4         | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 5.85         | 6.12         | -            | 6.12         | 5.85         | 5.85         | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 1580         | 1660         | -            | 1660         | 1580         | 1580         | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| 161          | 169          | -            | 169          | 161          | 161          | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6090DA</b> |
| 146          | 150          | 150          | 150          | 146          | 146          | 150          | 146          | 150          | 150          | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 14.9         | 15.3         | 15.3         | 15.3         | 14.9         | 14.9         | 15.3         | 14.9         | 15.3         | 15.3         | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 3300         | 3310         | 3310         | 3310         | 3300         | 3300         | 3310         | 3300         | 3310         | 3310         | -            | -            | Pro[N]                   |              |               |
| 336          | 338          | 338          | 338          | 336          | 336          | 338          | 336          | 338          | 338          | -            | -            | Pro[kgf]                 |              |               |
| -            | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | <b>0.100</b> | -            | <b>0.100</b> | <b>0.100</b> | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6095DA</b> |
| -            | 200          | 193          | 200          | -            | -            | 192          | -            | 192          | 192          | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| -            | 20.4         | 19.6         | 20.4         | -            | -            | 19.6         | -            | 19.6         | 19.6         | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| -            | 3220         | 3240         | 3220         | -            | -            | 3240         | -            | 3240         | 3240         | -            | -            | Pro[N]                   |              |               |
| -            | 328          | 330          | 328          | -            | -            | 330          | -            | 330          | 330          | -            | -            | Pro[kgf]                 |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6100DA</b> |
| 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | 25.5         | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | 5400         | -            | -            | Pro[N]                   |              |               |
| 550          | 550          | 550          | 550          | 550          | 550          | 550          | 550          | 550          | 550          | -            | -            | Pro[kgf]                 |              |               |
| <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6105DA</b> |
| 296          | 300          | 300          | 300          | 296          | 296          | 300          | 296          | 300          | 300          | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 30.2         | 30.6         | 30.6         | 30.6         | 30.2         | 30.2         | 30.6         | 30.2         | 30.6         | 30.6         | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 5090         | 5400         | 4780         | 5400         | 5090         | 5090         | 4780         | 5090         | 4780         | 4780         | -            | -            | Pro[N]                   |              |               |
| 519          | 550          | 488          | 550          | 519          | 519          | 488          | 519          | 488          | 488          | -            | -            | Pro[kgf]                 |              |               |
| 0.107        | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6120DA</b> |
| 525          | 525          | 525          | 525          | 525          | 525          | 525          | 525          | 525          | 525          | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | 53.5         | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 9810         | 9810         | 9780         | 9810         | 9810         | 9810         | 9780         | 9810         | 9780         | 9780         | -            | -            | Pro[N]                   |              |               |
| 1000         | 1000         | 997          | 1000         | 1000         | 1000         | 997          | 1000         | 997          | 997          | -            | -            | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.100</b> | <b>0.100</b> | P <sub>1</sub> [kW]      | CNH C-73     | <b>6120DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 525          | 525          | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 53.5         | 53.5         | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 9780         | 9780         | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 997          | 997          | Pro[kgf]                 |              |               |
| 0.128        | 0.103        | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | <b>0.100</b> | -            | -            | P <sub>1</sub> [kW]      | CNH C-73     | <b>6125DA</b> |
| 630          | 630          | 630          | 630          | 630          | 630          | 630          | 630          | 630          | 630          | -            | -            | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | 64.2         | -            | -            | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| 9810         | 9810         | 9560         | 9810         | 9810         | 9810         | 9560         | 9810         | 9560         | 9560         | -            | -            | Pro[N]                   |              |               |
| 1000         | 1000         | 974          | 1000         | 1000         | 1000         | 974          | 1000         | 974          | 974          | -            | -            | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.100</b> | <b>0.100</b> | P <sub>1</sub> [kW]      | CNH C-73     | <b>6125DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 630          | 630          | T <sub>OUT</sub> [N•m]   | CNF C-78     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 64.2         | 64.2         | T <sub>OUT</sub> [kgf•m] | CNV C-85     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 9560         | 9560         | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 974          | 974          | Pro[kgf]                 |              |               |
| <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>1</sub> [kW]      | CHH C-74     | <b>6130DA</b> |
| 912          | 780          | 848          | 780          | 912          | 912          | 848          | 912          | 848          | 848          | -            | -            | T <sub>OUT</sub> [N•m]   | CHF C-79     |               |
| 93.0         | 79.5         | 86.5         | 79.5         | 93.0         | 93.0         | 86.5         | 93.0         | 86.5         | 86.5         | -            | -            | T <sub>OUT</sub> [kgf•m] | CVV C-86     |               |
| 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | -            | -            | Pro[N]                   |              |               |
| 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | -            | -            | Pro[kgf]                 |              |               |
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]                 | Dim.<br>Page | Frame<br>Size |
| 1.74         | 1.40         | 1.18         | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]            |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

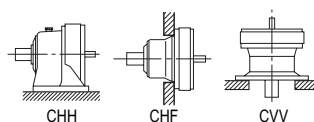
Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6130DB ~ 6160DB

| Input Speed |                   | $n_1 = 1750$ r/min |       | $n_1$ : Input Speed [r/min] |       | $T_{out}$ : Allowable output torque [N·m, kgf·m] |       | $n_2$ : Output Speed [r/min] |       | Pro: Allowable output shaft radial load [N, kgf] |       | $P$ : Allowable input power [kW] |       | *Consult us for Pro of CNF and CHF type. |       |
|-------------|-------------------|--------------------|-------|-----------------------------|-------|--------------------------------------------------|-------|------------------------------|-------|--------------------------------------------------|-------|----------------------------------|-------|------------------------------------------|-------|
| Frame Size  | $n_2$ [r/min]     | 16.8               | 14.5  | 12.2                        | 10.6  | 8.97                                             | 7.58  | 6.41                         | 5.49  | 4.64                                             | 3.70  | 3.13                             | 2.70  | 2.39                                     | 2.08  |
|             | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
| 6130DB      | $P_i$ [kW]        | 1.53               | 1.31  | 1.11                        | 0.963 | 0.814                                            | 0.688 | 0.582                        | 0.498 | 0.421                                            | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 780                | 780   | 780                         | 780   | 780                                              | 780   | 780                          | 780   | 780                                              | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 79.5               | 79.5  | 79.5                        | 79.5  | 79.5                                             | 79.5  | 79.5                         | 79.5  | 79.5                                             | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | 14700 | 14700                       | 14700 | 14700                                            | 14700 | 14700                        | 14700 | 14700                                            | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | 1500  | 1500                        | 1500  | 1500                                             | 1500  | 1500                         | 1500  | 1500                                             | -     | -                                | -     | -                                        | -     |
| 6130DC      | $P_i$ [kW]        | 1.53               | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 780                | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 79.5               | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6135DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | -                            | 0.429 | 0.429                                            | 0.405 | 0.342                            | 0.329 | 0.262                                    | 0.228 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | -                            | 673   | 795                                              | 940   | 940                              | 1050  | 940                                      | 940   |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | -                            | 68.6  | 81.1                                             | 95.8  | 95.8                             | 107   | 95.8                                     | 95.8  |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | -                            | 14700 | 14700                                            | 14700 | 14700                            | 14700 | 14700                                    | 14700 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | -                            | 1500  | 1500                                             | 1500  | 1500                             | 1500  | 1500                                     | 1500  |
| 6135DB      | $P_i$ [kW]        | 1.60               | 1.58  | 1.34                        | 1.16  | 0.981                                            | 0.829 | 0.701                        | 0.600 | 0.508                                            | 0.405 | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 817                | 940   | 940                         | 940   | 940                                              | 940   | 940                          | 940   | 940                                              | 940   | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 83.3               | 95.8  | 95.8                        | 95.8  | 95.8                                             | 95.8  | 95.8                         | 95.8  | 95.8                                             | 95.8  | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | 14700 | 14700                       | 14700 | 14700                                            | 14700 | 14700                        | 14700 | 14700                                            | 14700 | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | 1500  | 1500                        | 1500  | 1500                                             | 1500  | 1500                         | 1500  | 1500                                             | 1500  | -                                | -     | -                                        | -     |
| 6135DC      | $P_i$ [kW]        | 1.84               | 1.58  | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 940                | 940   | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 95.8               | 95.8  | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 14700              | 14700 | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1500               | 1500  | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6140DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 0.429                                            | 0.429 | 0.429                            | 0.384 | 0.341                                    | 0.297 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 795                                              | 998   | 1180                             | 1230  | 1230                                     | 1230  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 81.1                                             | 102   | 120                              | 125   | 125                                      | 125   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 16000                                            | 16000 | 16000                            | 16000 | 16000                                    | 16000 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | 1630                                             | 1630  | 1630                             | 1630  | 1630                                     | 1630  |
| 6140DB      | $P_i$ [kW]        | 1.60               | 1.60  | 1.60                        | 1.51  | 1.28                                             | 1.08  | 0.914                        | 0.782 | 0.662                                            | 0.527 | 0.446                            | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 817                | 950   | 1120                        | 1230  | 1230                                             | 1230  | 1230                         | 1230  | 1230                                             | 1230  | 1230                             | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 83.3               | 96.9  | 114                         | 125   | 125                                              | 125   | 125                          | 125   | 125                                              | 125   | 125                              | -     | -                                        | -     |
|             | Pro[N]            | 16000              | 16000 | 16000                       | 16000 | 16000                                            | 16000 | 16000                        | 16000 | 16000                                            | 16000 | 16000                            | -     | -                                        | -     |
|             | Pro[kgf]          | 1630               | 1630  | 1630                        | 1630  | 1630                                             | 1630  | 1630                         | 1630  | 1630                                             | 1630  | 1630                             | -     | -                                        | -     |
| 6140DC      | $P_i$ [kW]        | 2.40               | 2.06  | 1.74                        | 1.51  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1230               | 1230  | 1230                        | 1230  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 125                | 125   | 125                         | 125   | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 16000              | 16000 | 16000                       | 16000 | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1630               | 1630  | 1630                        | 1630  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6145DA      | $P_i$ [kW]        | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 0.429                            | 0.429 | 0.382                                    | 0.302 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 1180                             | 1370  | 1370                                     | 1250  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 120                              | 140   | 140                                      | 127   |
|             | Pro[N]            | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 16000                            | 16000 | 15700                                    | 16000 |
|             | Pro[kgf]          | -                  | -     | -                           | -     | -                                                | -     | -                            | -     | -                                                | -     | 1630                             | 1630  | 1600                                     | 1630  |
| 6145DB      | $P_i$ [kW]        | -                  | -     | 1.60                        | 1.60  | 1.42                                             | 1.18  | 0.998                        | 0.874 | 0.740                                            | 0.590 | 0.499                            | 0.430 | -                                        | 0.332 |
|             | $T_{out}$ [N·m]   | -                  | -     | 1120                        | 1300  | 1360                                             | 1340  | 1340                         | 1370  | 1370                                             | 1370  | 1370                             | 1370  | -                                        | 1370  |
|             | $T_{out}$ [kgf·m] | -                  | -     | 114                         | 132   | 138                                              | 136   | 136                          | 140   | 140                                              | 140   | 140                              | 140   | -                                        | 140   |
|             | Pro[N]            | -                  | -     | 16000                       | 16000 | 16000                                            | 16000 | 16000                        | 15800 | 15800                                            | 15700 | 15700                            | 16000 | -                                        | 15800 |
|             | Pro[kgf]          | -                  | -     | 1630                        | 1630  | 1630                                             | 1630  | 1630                         | 1610  | 1610                                             | 1600  | 1600                             | 1630  | -                                        | 1610  |
| 6145DC      | $P_i$ [kW]        | 2.68               | 2.17  | 1.95                        | 1.68  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1370               | 1290  | 1370                        | 1360  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 140                | 132   | 140                         | 138   | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 15900              | 16000 | 15900                       | 16000 | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 1620               | 1630  | 1620                        | 1630  | -                                                | -     | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| 6160DA      | $P_i$ [kW]        | -                  | -     | -                           | 1.60  | 1.60                                             | 1.55  | 1.31                         | 1.12  | 0.948                                            | 0.747 | 0.632                            | 0.551 | 0.483                                    | 0.425 |
|             | $T_{out}$ [N·m]   | -                  | -     | -                           | 1300  | 1530                                             | 1760  | 1760                         | 1760  | 1760                                             | 1740  | 1740                             | 1760  | 1740                                     | 1760  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -                           | 132   | 156                                              | 179   | 179                          | 179   | 179                                              | 177   | 177                              | 179   | 177                                      | 179   |
|             | Pro[N]            | -                  | -     | -                           | 22100 | 22100                                            | 22100 | 22100                        | 22100 | 22100                                            | 22100 | 22100                            | 22100 | 22100                                    | 22100 |
|             | Pro[kgf]          | -                  | -     | -                           | 2250  | 2250                                             | 2250  | 2250                         | 2250  | 2250                                             | 2250  | 2250                             | 2250  | 2250                                     | 2250  |
| 6160DB      | $P_i$ [kW]        | 3.36               | 2.95  | 2.50                        | 2.17  | 1.83                                             | 1.55  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [N·m]   | 1710               | 1760  | 1760                        | 1760  | 1760                                             | 1760  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | $T_{out}$ [kgf·m] | 175                | 179   | 179                         | 179   | 179                                              | 179   | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[N]            | 22100              | 22100 | 22100                       | 22100 | 22100                                            | 22100 | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250                        | 2250  | 2250                                             | 2250  | -                            | -     | -                                                | -     | -                                | -     | -                                        | -     |
| Frame Size  | Ratio[Z]          | 104                | 121   | 143                         | 165   | 195                                              | 231   | 273                          | 319   | 377                                              | 473   | 559                              | 649   | 731                                      | 841   |
|             | $n_2$ [r/min]     | 16.8               | 14.5  | 12.2                        | 10.6  | 8.97                                             | 7.58  | 6.41                         | 5.49  | 4.64                                             | 3.70  | 3.13                             | 2.70  | 2.39                                     | 2.08  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750 \text{ r/min}$ 

| 1.74         | 1.40         | 1.18         | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]            | Dim.<br>Page | Frame<br>Size |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|---------------|
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6130DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 848          | 848          | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 86.5         | 86.5         | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 14700        | 14700        | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1500         | 1500         | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6130DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| 0.213        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6135DA</b> |
| 1050         | 940          | 979          | 940          | 1050         | 1050         | 979          | 1050         | 979          | 979          | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| 107          | 95.8         | 99.8         | 95.8         | 107          | 107          | 99.8         | 107          | 99.8         | 99.8         | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | 14700        | -            | -            | Pro[N]                   |              |               |
| 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | 1500         | -            | -            | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6135DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 979          | 979          | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 99.8         | 99.8         | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 14700        | 14700        | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1500         | 1500         | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6135DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| 0.249        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6140DA</b> |
| 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | 1230         | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| 125          | 125          | 125          | 125          | 125          | 125          | 125          | 125          | 125          | 125          | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | -            | -            | Pro[N]                   |              |               |
| 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | -            | -            | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6140DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1230         | 1230         | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 125          | 125          | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 16000        | 16000        | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1630         | 1630         | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6140DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| 0.278        | 0.224        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6145DA</b> |
| 1370         | 1370         | 1250         | 1370         | 1370         | 1370         | 1250         | 1370         | 1250         | 1250         | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| 140          | 140          | 127          | 140          | 140          | 140          | 127          | 140          | 127          | 127          | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| 16000        | 15700        | 16000        | 15700        | 16000        | 16000        | 16000        | 16000        | 16000        | 16000        | -            | -            | Pro[N]                   |              |               |
| 1630         | 1600         | 1630         | 1600         | 1630         | 1630         | 1630         | 1630         | 1630         | 1630         | -            | -            | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6145DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1250         | 1250         | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 127          | 127          | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 16000        | 16000        | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | 1630         | 1630         | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6145DC</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | P <sub>i</sub> [kW]      | CHH C-74     | <b>6160DA</b> |
| 1760         | 1740         | 1760         | 1740         | 1760         | 1760         | 1760         | 1760         | 1760         | 1760         | 1760         | 1760         | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| 179          | 177          | 179          | 177          | 179          | 179          | 179          | 179          | 179          | 179          | 179          | 179          | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | 22100        | Pro[N]                   |              |               |
| 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | 2250         | Pro[kgf]                 |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | P <sub>i</sub> [kW]      | CHH C-74     | <b>6160DB</b> |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [N·m]   | CHF C-79     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | T <sub>OUT</sub> [kgf·m] | CVV C-86     |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]                   |              |               |
| -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]                 |              |               |
| 1003         | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]                 | Dim.<br>Page | Frame<br>Size |
| 1.74         | 1.40         | 1.18         | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]            |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6160DC ~ 6185DA

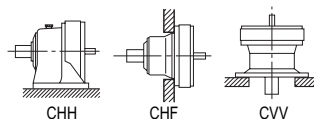
| Input Speed |                   | $n_1 = 1750$ r/min |       |       | <div><div><math>n_1</math>: Input Speed [r/min]</div><div><math>T_{out}</math>: Allowable output torque [N·m, kgf·m]</div><div><math>n_2</math>: Output Speed [r/min]</div><div>Pro: Allowable output shaft radial load [N, kgf]</div><div><math>P_i</math>: Allowable input power [kW]</div><div>*Consult us for Pro of CNF and CHF type.</div></div> |       |       |       |       |       |       |       |       |       |       |
|-------------|-------------------|--------------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frame Size  | $n_2$ [r/min]     | 16.8               | 14.5  | 12.2  | 10.6                                                                                                                                                                                                                                                                                                                                                   | 8.97  | 7.58  | 6.41  | 5.49  | 4.64  | 3.70  | 3.13  | 2.70  | 2.39  | 2.08  |
|             | Ratio[Z]          | 104                | 121   | 143   | 165                                                                                                                                                                                                                                                                                                                                                    | 195   | 231   | 273   | 319   | 377   | 473   | 559   | 649   | 731   | 841   |
| 6160DC      | $P_i$ [kW]        | 3.44               | 2.95  | 2.50  | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | 1760               | 1760  | 1760  | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | 179                | 179   | 179   | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | 22100              | 22100 | 22100 | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250  | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 6165DA      | $P_i$ [kW]        | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | 1.60  | 1.60  | 1.57  | 1.34  | 1.13  | 0.904 | 0.765 | 0.659 | 0.585 | 0.508 |
|             | $T_{out}$ [N·m]   | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | 1530  | 1810  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  | 2100  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | 156   | 185   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   |
|             | Pro[N]            | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 | 22100 |
|             | Pro[kgf]          | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  | 2250  |
| 6165DB      | $P_i$ [kW]        | 3.36               | 3.36  | 2.99  | 2.59                                                                                                                                                                                                                                                                                                                                                   | 2.19  | 1.85  | 1.57  | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | 1710               | 1990  | 2100  | 2100                                                                                                                                                                                                                                                                                                                                                   | 2100  | 2100  | 2100  | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | 175                | 203   | 214   | 214                                                                                                                                                                                                                                                                                                                                                    | 214   | 214   | 214   | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | 22100              | 22100 | 22100 | 22100                                                                                                                                                                                                                                                                                                                                                  | 22100 | 22100 | 22100 | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250  | 2250                                                                                                                                                                                                                                                                                                                                                   | 2250  | 2250  | 2250  | -     | -     | -     | -     | -     | -     | -     |
| 6165DC      | $P_i$ [kW]        | 4.11               | 3.53  | 2.99  | 2.59                                                                                                                                                                                                                                                                                                                                                   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | 2100               | 2100  | 2100  | 2100                                                                                                                                                                                                                                                                                                                                                   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | 214                | 214   | 214   | 214                                                                                                                                                                                                                                                                                                                                                    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | 22100              | 22100 | 22100 | 22100                                                                                                                                                                                                                                                                                                                                                  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | 2250               | 2250  | 2250  | 2250                                                                                                                                                                                                                                                                                                                                                   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 6170DA      | $P_i$ [kW]        | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 1.60  | 1.60  | 1.60  | 1.37  | 1.09  | 0.922 | 0.794 | 0.705 | 0.613 |
|             | $T_{out}$ [N·m]   | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 1810  | 2140  | 2510  | 2530  | 2530  | 2530  | 2530  | 2530  | 2530  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 185   | 219   | 255   | 258   | 258   | 258   | 258   | 258   | 258   |
|             | Pro[N]            | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 |
|             | Pro[kgf]          | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  |
| 6170DB      | $P_i$ [kW]        | -                  | 3.36  | 3.36  | 3.12                                                                                                                                                                                                                                                                                                                                                   | 2.64  | 2.23  | 1.89  | 1.61  | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | -                  | 1990  | 2360  | 2530                                                                                                                                                                                                                                                                                                                                                   | 2530  | 2530  | 2530  | 2530  | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | -                  | 203   | 240   | 258                                                                                                                                                                                                                                                                                                                                                    | 258   | 258   | 258   | 258   | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | -                  | 29500 | 29500 | 29500                                                                                                                                                                                                                                                                                                                                                  | 29500 | 29500 | 29500 | 29500 | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | -                  | 3010  | 3010  | 3010                                                                                                                                                                                                                                                                                                                                                   | 3010  | 3010  | 3010  | 3010  | -     | -     | -     | -     | -     | -     |
| 6170DC      | $P_i$ [kW]        | 4.95               | 4.26  | 3.60  | 3.12                                                                                                                                                                                                                                                                                                                                                   | 2.64  | 2.23  | -     | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | 2530               | 2530  | 2530  | 2530                                                                                                                                                                                                                                                                                                                                                   | 2530  | 2530  | -     | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | 258                | 258   | 258   | 258                                                                                                                                                                                                                                                                                                                                                    | 258   | 258   | -     | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | 28600              | 29500 | 29500 | 29500                                                                                                                                                                                                                                                                                                                                                  | 29500 | 29500 | -     | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | 2920               | 3010  | 3010  | 3010                                                                                                                                                                                                                                                                                                                                                   | 3010  | 3010  | -     | -     | -     | -     | -     | -     | -     | -     |
| 6175DA      | $P_i$ [kW]        | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | 1.60  | 1.60  | 1.60  | 1.36  | 1.15  | 0.988 | 0.877 | 0.763 |
|             | $T_{out}$ [N·m]   | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | 2140  | 2510  | 2960  | 3150  | 3150  | 3150  | 3150  | 3150  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | 219   | 255   | 302   | 321   | 321   | 321   | 321   | 321   |
|             | Pro[N]            | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 | 29500 |
|             | Pro[kgf]          | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | -     | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  | 3010  |
| 6175DB      | $P_i$ [kW]        | -                  | -     | 3.36  | 3.36                                                                                                                                                                                                                                                                                                                                                   | 3.29  | 2.78  | 2.35  | 2.01  | 1.70  | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | -                  | -     | 2360  | 2720                                                                                                                                                                                                                                                                                                                                                   | 3150  | 3150  | 3150  | 3150  | 3150  | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | -                  | -     | 240   | 277                                                                                                                                                                                                                                                                                                                                                    | 321   | 321   | 321   | 321   | 321   | -     | -     | -     | -     | -     |
|             | Pro[N]            | -                  | -     | 29500 | 29500                                                                                                                                                                                                                                                                                                                                                  | 29500 | 29500 | 29500 | 29500 | 29500 | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | -                  | -     | 3010  | 3010                                                                                                                                                                                                                                                                                                                                                   | 3010  | 3010  | 3010  | 3010  | 3010  | -     | -     | -     | -     | -     |
| 6175DC      | $P_i$ [kW]        | 6.17               | 5.30  | 4.49  | 3.89                                                                                                                                                                                                                                                                                                                                                   | 3.29  | 2.78  | 2.35  | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | 3150               | 3150  | 3150  | 3150                                                                                                                                                                                                                                                                                                                                                   | 3150  | 3150  | 3150  | -     | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | 321                | 321   | 321   | 321                                                                                                                                                                                                                                                                                                                                                    | 321   | 321   | 321   | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | 28300              | 29500 | 29500 | 29500                                                                                                                                                                                                                                                                                                                                                  | 29500 | 29500 | 29500 | -     | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | 2880               | 3010  | 3010  | 3010                                                                                                                                                                                                                                                                                                                                                   | 3010  | 3010  | 3010  | -     | -     | -     | -     | -     | -     | -     |
| 6180DA      | $P_i$ [kW]        | -                  | -     | -     | 3.36                                                                                                                                                                                                                                                                                                                                                   | 3.36  | 3.36  | 3.02  | 2.59  | 2.19  | 1.75  | 1.48  | 1.27  | 1.13  | 0.981 |
|             | $T_{out}$ [N·m]   | -                  | -     | -     | 2720                                                                                                                                                                                                                                                                                                                                                   | 3210  | 3810  | 4050  | 4050  | 4050  | 4060  | 4060  | 4050  | 4060  | 4050  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -     | 277                                                                                                                                                                                                                                                                                                                                                    | 328   | 388   | 413   | 413   | 413   | 414   | 414   | 413   | 414   | 413   |
|             | Pro[N]            | -                  | -     | -     | 41700                                                                                                                                                                                                                                                                                                                                                  | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 |
|             | Pro[kgf]          | -                  | -     | -     | 4250                                                                                                                                                                                                                                                                                                                                                   | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  |
| 6180DB      | $P_i$ [kW]        | 7.95               | 6.83  | 5.78  | 5.01                                                                                                                                                                                                                                                                                                                                                   | 4.24  | 3.57  | 3.02  | 2.59  | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [N·m]   | 4060               | 4060  | 4060  | 4060                                                                                                                                                                                                                                                                                                                                                   | 4060  | 4050  | 4050  | 4050  | -     | -     | -     | -     | -     | -     |
|             | $T_{out}$ [kgf·m] | 414                | 414   | 414   | 414                                                                                                                                                                                                                                                                                                                                                    | 414   | 413   | 413   | 413   | -     | -     | -     | -     | -     | -     |
|             | Pro[N]            | 37700              | 40300 | 41700 | 41700                                                                                                                                                                                                                                                                                                                                                  | 41700 | 41700 | 41700 | 41700 | -     | -     | -     | -     | -     | -     |
|             | Pro[kgf]          | 3840               | 4100  | 4250  | 4250                                                                                                                                                                                                                                                                                                                                                   | 4250  | 4250  | 4250  | 4250  | -     | -     | -     | -     | -     | -     |
| 6185DA      | $P_i$ [kW]        | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 3.36  | 3.36  | 3.19  | 2.70  | 2.15  | 1.82  | 1.57  | 1.39  | 1.21  |
|             | $T_{out}$ [N·m]   | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 3810  | 4500  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  | 5000  |
|             | $T_{out}$ [kgf·m] | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 388   | 459   | 510   | 510   | 510   | 510   | 510   | 510   | 510   |
|             | Pro[N]            | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 41700 | 41700 | 41700 | 41700 | 41700 | 41700 | 41600 | 41700 | 41700 |
|             | Pro[kgf]          | -                  | -     | -     | -                                                                                                                                                                                                                                                                                                                                                      | -     | 4250  | 4250  | 4250  | 4250  | 4250  | 4250  | 4240  | 4250  | 4250  |
| Frame Size  | Ratio[Z]          | 104                | 121   | 143   | 165                                                                                                                                                                                                                                                                                                                                                    | 195   | 231   | 273   | 319   | 377   | 473   | 559   | 649   | 731   | 841   |
|             | $n_2$ [r/min]     | 16.8               | 14.5  | 12.2  | 10.6                                                                                                                                                                                                                                                                                                                                                   | 8.97  | 7.58  | 6.41  | 5.49  | 4.64  | 3.70  | 3.13  | 2.70  | 2.39  | 2.08  |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.



## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750 \text{ r/min}$ 

| 1.74  | 1.40         | 1.18         | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]     | Dim.<br>Page | Frame<br>Size |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|---------------|
| 1003  | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6160DC</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.426 | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | 0.207        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | $P_i$ [kW]        | CHH C-74     | <b>6165DA</b> |
| 2100  | 2100         | 2050         | 2100         | 2100         | 2100         | 2050         | 2100         | 2050         | 2050         | 2050         | 2050         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 214   | 214          | 209          | 214          | 214          | 214          | 209          | 214          | 209          | 209          | 209          | 209          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 22100 | 22100        | 21800        | 22100        | 22100        | 22100        | 21800        | 22100        | 21800        | 21800        | 21800        | 21800        | Pro[N]            |              |               |
| 2250  | 2250         | 2220         | 2250         | 2250         | 2250         | 2220         | 2250         | 2220         | 2220         | 2220         | 2220         | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-74     | <b>6165DB</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6165DC</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.514 | 0.413        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | 0.203        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | $P_i$ [kW]        | CHH C-74     | <b>6170DA</b> |
| 2530  | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | 2530         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 258   | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | 258          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 29500 | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | Pro[N]            |              |               |
| 3010  | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-74     | <b>6170DB</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6170DC</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.639 | 0.514        | 0.434        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | 0.211        | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | <b>0.200</b> | $P_i$ [kW]        | CHH C-74     | <b>6175DA</b> |
| 3150  | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | 3150         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 321   | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | 321          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 29500 | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | 29500        | Pro[N]            |              |               |
| 3010  | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | 3010         | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-74     | <b>6175DB</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6175DC</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 0.822 | <b>0.750</b> | <b>0.750</b> | 0.447        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | $P_i$ [kW]        | CHH C-74     | <b>6180DA</b> |
| 4050  | 4060         | 4060         | 4060         | 4050         | 4050         | 4060         | 4050         | 4060         | 4060         | 4060         | 4060         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 413   | 414          | 414          | 414          | 413          | 413          | 414          | 413          | 414          | 414          | 414          | 414          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 41700 | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | 41700        | Pro[N]            |              |               |
| 4250  | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | 4250         | Pro[kgf]          |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6180DB</b> |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -     | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1.01  | 0.816        | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | 0.401        | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | <b>0.400</b> | $P_i$ [kW]        | CHH C-74     | <b>6185DA</b> |
| 5000  | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | 5000         | $T_{OUT}$ [N·m]   | CHF C-79     |               |
| 510   | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | 510          | $T_{OUT}$ [kgf·m] | CVV C-86     |               |
| 41600 | 41700        | 41700        | 41700        | 41600        | 41600        | 41700        | 41600        | 41700        | 41700        | 41700        | 41700        | Pro[N]            |              |               |
| 4240  | 4250         | 4250         | 4250         | 4240         | 4240         | 4250         | 4240         | 4250         | 4250         | 4250         | 4250         | Pro[kgf]          |              |               |
| 1003  | 1247         | 1479         | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          | Dim.<br>Page | Frame<br>Size |
| 1.74  | 1.40         | 1.18         | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]     |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

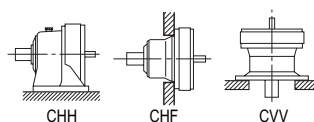
Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6185DB ~ 6235DB

| Input Speed |                   | $n_1 = 1750$ r/min |        | $n_1$ : Input Speed [r/min] |        | $T_{out}$ : Allowable output torque [N·m, kgf·m] |        | $n_2$ : Output Speed [r/min] |        | Pro: Allowable output shaft radial load [N, kgf] |        | $P$ : Allowable input power [kW] |        | *Consult us for Pro of CNF and CHF type. |        |
|-------------|-------------------|--------------------|--------|-----------------------------|--------|--------------------------------------------------|--------|------------------------------|--------|--------------------------------------------------|--------|----------------------------------|--------|------------------------------------------|--------|
| Frame Size  | $n_2$ [r/min]     | 16.8               | 14.5   | 12.2                        | 10.6   | 8.97                                             | 7.58   | 6.41                         | 5.49   | 4.64                                             | 3.70   | 3.13                             | 2.70   | 2.39                                     | 2.08   |
|             | Ratio[Z]          | 104                | 121    | 143                         | 165    | 195                                              | 231    | 273                          | 319    | 377                                              | 473    | 559                              | 649    | 731                                      | 841    |
| 6185DB      | $P_i$ [kW]        | 9.60               | 8.09   | 6.98                        | 6.07   | 5.14                                             | 4.41   | 3.73                         | 3.19   | 2.70                                             | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | 4900               | 4810   | 4900                        | 4920   | 4920                                             | 5000   | 5000                         | 5000   | 5000                                             | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | 500                | 490    | 500                         | 502    | 502                                              | 510    | 510                          | 510    | 510                                              | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | 37300              | 40000  | 41700                       | 41700  | 41700                                            | 41700  | 41700                        | 41700  | 41700                                            | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | 3800               | 4070   | 4250                        | 4250   | 4250                                             | 4250   | 4250                         | 4250   | 4250                                             | -      | -                                | -      | -                                        | -      |
| 6190DA      | $P_i$ [kW]        | -                  | -      | 6.25                        | 6.25   | 6.25                                             | 5.62   | 4.76                         | 4.07   | 3.45                                             | 2.75   | 2.32                             | 2.00   | 1.78                                     | 1.54   |
|             | $T_{out}$ [N·m]   | -                  | -      | 4390                        | 5060   | 5980                                             | 6380   | 6380                         | 6380   | 6380                                             | 6380   | 6380                             | 6380   | 6380                                     | 6380   |
|             | $T_{out}$ [kgf·m] | -                  | -      | 447                         | 516    | 610                                              | 650    | 650                          | 650    | 650                                              | 650    | 650                              | 650    | 650                                      | 650    |
|             | Pro[N]            | -                  | -      | 59000                       | 59000  | 59000                                            | 59000  | 59000                        | 59000  | 59000                                            | 59000  | 59000                            | 58600  | 59000                                    | 59000  |
|             | Pro[kgf]          | -                  | -      | 6010                        | 6010   | 6010                                             | 6010   | 6010                         | 6010   | 6010                                             | 6010   | 6010                             | 5970   | 6010                                     | 6010   |
| 6190DB      | $P_i$ [kW]        | 11.9               | 10.7   | 9.08                        | 7.87   | 6.66                                             | 5.62   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | 6090               | 6380   | 6380                        | 6380   | 6380                                             | 6380   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | 621                | 650    | 650                         | 650    | 650                                              | 650    | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | 52400              | 55900  | 58400                       | 58900  | 58900                                            | 59000  | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | 5340               | 5700   | 5950                        | 6000   | 6000                                             | 6010   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6195DA      | $P_i$ [kW]        | -                  | -      | -                           | -      | 6.25                                             | 6.25   | 5.94                         | 5.08   | 4.30                                             | 3.43   | 2.90                             | 2.50   | 2.22                                     | 1.93   |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | -      | 5980                                             | 7090   | 7960                         | 7960   | 7960                                             | 7960   | 7960                             | 7960   | 7960                                     | 7960   |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | -      | 610                                              | 723    | 811                          | 811    | 811                                              | 811    | 811                              | 811    | 811                                      | 811    |
|             | Pro[N]            | -                  | -      | -                           | -      | 59000                                            | 59000  | 59000                        | 59000  | 59000                                            | 59000  | 59000                            | 58100  | 59000                                    | 59000  |
|             | Pro[kgf]          | -                  | -      | -                           | -      | 6010                                             | 6010   | 6010                         | 6010   | 6010                                             | 6010   | 6010                             | 5930   | 6010                                     | 6010   |
| 6195DB      | $P_i$ [kW]        | 11.9               | 11.9   | 10.9                        | 9.76   | 8.26                                             | 7.02   | 5.94                         | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | 6090               | 7090   | 7630                        | 7910   | 7910                                             | 7960   | 7960                         | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | 621                | 723    | 778                         | 806    | 806                                              | 811    | 811                          | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | 52400              | 55700  | 57900                       | 58300  | 58300                                            | 59000  | 59000                        | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | 5340               | 5680   | 5900                        | 5940   | 5940                                             | 6010   | 6010                         | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6205DA      | $P_i$ [kW]        | -                  | -      | -                           | -      | -                                                | -      | 5.86                         | 4.84   | 4.34                                             | 3.35   | 3.00                             | 2.44   | 2.52                                     | 2.23   |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | -      | -                                                | -      | 7860                         | 7590   | 8030                                             | 7780   | 8230                             | 7790   | 9060                                     | 9230   |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | -      | -                                                | -      | 801                          | 773    | 819                                              | 793    | 839                              | 794    | 923                                      | 941    |
|             | Pro[N]            | -                  | -      | -                           | -      | -                                                | -      | 84100                        | 84100  | 84100                                            | 84100  | 84100                            | 84100  | 84100                                    | 84100  |
|             | Pro[kgf]          | -                  | -      | -                           | -      | -                                                | -      | 8570                         | 8570   | 8570                                             | 8570   | 8570                             | 8570   | 8570                                     | 8570   |
| 6205DB      | $P_i$ [kW]        | -                  | 11.9   | -                           | 11.4   | 9.68                                             | 8.17   | 6.92                         | 5.89   | 4.99                                             | 4.00   | 3.39                             | 2.92   | 2.59                                     | -      |
|             | $T_{out}$ [N·m]   | -                  | 7090   | -                           | 9270   | 9270                                             | 9270   | 9270                         | 9230   | 9230                                             | 9300   | 9300                             | 9300   | 9300                                     | -      |
|             | $T_{out}$ [kgf·m] | -                  | 723    | -                           | 945    | 945                                              | 945    | 945                          | 941    | 941                                              | 948    | 948                              | 948    | 948                                      | -      |
|             | Pro[N]            | -                  | 84100  | -                           | 84100  | 84100                                            | 84100  | 84100                        | 84100  | 84100                                            | 84100  | 84100                            | 84100  | 84100                                    | -      |
|             | Pro[kgf]          | -                  | 8570   | -                           | 8570   | 8570                                             | 8570   | 8570                         | 8570   | 8570                                             | 8570   | 8570                             | 8570   | 8570                                     | -      |
| 6215DA      | $P_i$ [kW]        | -                  | -      | -                           | 11.9   | 11.9                                             | 11.0   | 9.32                         | 8.07   | 6.83                                             | 5.45   | 4.61                             | 3.97   | 3.52                                     | 3.06   |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | 9670   | 11400                                            | 12500  | 12500                        | 12700  | 12700                                            | 12700  | 12700                            | 12700  | 12700                                    | 12700  |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | 985    | 1160                                             | 1270   | 1270                         | 1290   | 1290                                             | 1290   | 1290                             | 1290   | 1290                                     | 1290   |
|             | Pro[N]            | -                  | -      | -                           | 104000 | 104000                                           | 104000 | 104000                       | 104000 | 104000                                           | 104000 | 104000                           | 104000 | 104000                                   | 104000 |
|             | Pro[kgf]          | -                  | -      | -                           | 10600  | 10600                                            | 10600  | 10600                        | 10600  | 10600                                            | 10600  | 10600                            | 10600  | 10600                                    | 10600  |
| 6215DB      | $P_i$ [kW]        | -                  | 19.1   | -                           | 15.0   | 12.7                                             | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | -                  | 11400  | -                           | 12200  | 12200                                            | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | -                  | 1160   | -                           | 1240   | 1240                                             | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | -                  | 101000 | -                           | 104000 | 104000                                           | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | -                  | 10300  | -                           | 10600  | 10600                                            | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6225DA      | $P_i$ [kW]        | -                  | -      | -                           | -      | 11.9                                             | 11.9   | 11.0                         | 9.60   | 8.12                                             | 6.89   | 5.83                             | 4.98   | 4.46                                     | 3.64   |
|             | $T_{out}$ [N·m]   | -                  | -      | -                           | -      | 11400                                            | 13500  | 14800                        | 15000  | 15000                                            | 16000  | 16000                            | 15900  | 16000                                    | 15000  |
|             | $T_{out}$ [kgf·m] | -                  | -      | -                           | -      | 1160                                             | 1380   | 1510                         | 1530   | 1530                                             | 1630   | 1630                             | 1620   | 1630                                     | 1530   |
|             | Pro[N]            | -                  | -      | -                           | -      | 122000                                           | 130000 | 137000                       | 142000 | 145000                                           | 145000 | 145000                           | 145000 | 145000                                   | 145000 |
|             | Pro[kgf]          | -                  | -      | -                           | -      | 12500                                            | 13200  | 13900                        | 14500  | 14800                                            | 14800  | 14800                            | 14800  | 14800                                    | 14800  |
| 6225DB      | $P_i$ [kW]        | -                  | 22.6   | -                           | 17.9   | 15.1                                             | 13.0   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | -                  | 13500  | -                           | 14500  | 14500                                            | 14800  | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | -                  | 1370   | -                           | 1480   | 1480                                             | 1510   | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | -                  | 106000 | -                           | 115000 | 122000                                           | 130000 | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | -                  | 10800  | -                           | 11800  | 12400                                            | 13200  | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| 6235DA      | $P_i$ [kW]        | -                  | 25.4   | -                           | 24.2   | 20.5                                             | 16.7   | 14.1                         | 12.1   | 10.2                                             | 8.82   | 7.47                             | 6.43   | 5.71                                     | 4.58   |
|             | $T_{out}$ [N·m]   | -                  | 15100  | -                           | 19600  | 19600                                            | 18900  | 18900                        | 18900  | 18900                                            | 20500  | 20500                            | 20500  | 20500                                    | 18900  |
|             | $T_{out}$ [kgf·m] | -                  | 1540   | -                           | 2000   | 2000                                             | 1930   | 1930                         | 1930   | 1930                                             | 2090   | 2090                             | 2090   | 2090                                     | 1930   |
|             | Pro[N]            | -                  | 133000 | -                           | 143000 | 150000                                           | 162000 | 170000                       | 177000 | 179000                                           | 179000 | 179000                           | 179000 | 179000                                   | 179000 |
|             | Pro[kgf]          | -                  | 13600  | -                           | 14500  | 15300                                            | 16500  | 17300                        | 18100  | 18200                                            | 18200  | 18200                            | 18200  | 18200                                    | 18200  |
| 6235DB      | $P_i$ [kW]        | -                  | 31.5   | -                           | 24.2   | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [N·m]   | -                  | 18700  | -                           | 19600  | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | $T_{out}$ [kgf·m] | -                  | 1910   | -                           | 2000   | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[N]            | -                  | 133000 | -                           | 143000 | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
|             | Pro[kgf]          | -                  | 13500  | -                           | 14500  | -                                                | -      | -                            | -      | -                                                | -      | -                                | -      | -                                        | -      |
| Frame Size  | Ratio[Z]          | 104                | 121    | 143                         | 165    | 195                                              | 231    | 273                          | 319    | 377                                              | 473    | 559                              | 649    | 731                                      | 841    |
|             | $n_2$ [r/min]     | 16.8               | 14.5   | 12.2                        | 10.6   | 8.97                                             | 7.58   | 6.41                         | 5.49   | 4.64                                             | 3.70   | 3.13                             | 2.70   | 2.39                                     | 2.08   |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750 \text{ r/min}$ 

| 1.74        | 1.40        | 1.18        | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]     | Dim.<br>Page | Frame<br>Size |
|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|---------------|
| 1003        | 1247        | 1479        | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6185DB</b> |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1.30        | 1.04        | 0.878       | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | $P_i$ [kW]        | CHH C-75     | <b>6190DA</b> |
| 6380        | 6380        | 6380        | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | 6380         | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 650         | 650         | 650         | 650          | 650          | 650          | 650          | 650          | 650          | 650          | 650          | 650          | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 58600       | 59000       | 58900       | 59000        | 58600        | 58600        | 58900        | 58600        | 58900        | 58900        | 58900        | 58900        | Pro[N]            |              |               |
| 5970        | 6010        | 6000        | 6010         | 5970         | 5970         | 6000         | 5970         | 6000         | 6000         | 6000         | 6000         | Pro[kgf]          |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6190DB</b> |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1.62        | 1.30        | 1.10        | 0.877        | 0.785        | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | $P_i$ [kW]        | CHH C-75     | <b>6195DA</b> |
| 7960        | 7960        | 7960        | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | 7960         | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 811         | 811         | 811         | 811          | 811          | 811          | 811          | 811          | 811          | 811          | 811          | 811          | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 58100       | 59000       | 58400       | 59000        | 58100        | 58100        | 58400        | 58100        | 58400        | 58400        | 58400        | 58400        | Pro[N]            |              |               |
| 5930        | 6010        | 5950        | 6010         | 5930         | 5930         | 5950         | 5930         | 5950         | 5950         | 5950         | 5950         | Pro[kgf]          |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6195DB</b> |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| <b>2.20</b> | <b>2.20</b> | <b>1.50</b> | <b>1.50</b>  | <b>1.50</b>  | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | <b>0.750</b> | $P_i$ [kW]        | CHH C-75     | <b>6205DA</b> |
| 9060        | 9300        | 8360        | 9300         | 9300         | 9300         | 8760         | 9300         | 8760         | 9300         | 8760         | 8760         | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 923         | 948         | 853         | 948          | 948          | 948          | 893          | 948          | 893          | 948          | 893          | 893          | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 84100       | 84100       | 84100       | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | 84100        | Pro[N]            |              |               |
| 8570        | 8570        | 8570        | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | 8570         | Pro[kgf]          |              |               |
| <b>2.20</b> | -           | <b>1.50</b> | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6205DB</b> |
| 9300        | -           | 8760        | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 948         | -           | 893         | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 84100       | -           | 84100       | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| 8570        | -           | 8570        | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 2.57        | <b>2.20</b> | 1.55        | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | $P_i$ [kW]        | CHH C-75     | <b>6215DA</b> |
| 12700       | 12700       | 11300       | 12700        | 12700        | 12700        | 11300        | 12700        | 11300        | 12700        | 11300        | 11300        | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 1290        | 1290        | 1150        | 1290         | 1290         | 1290         | 1150         | 1290         | 1150         | 1290         | 1150         | 1150         | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 104000      | 104000      | 104000      | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | 104000       | Pro[N]            |              |               |
| 10600       | 10600       | 10600       | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | 10600        | Pro[kgf]          |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6215DB</b> |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 3.22        | 2.61        | <b>2.20</b> | 1.76         | 1.57         | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | <b>1.50</b>  | $P_i$ [kW]        | CHH C-75     | <b>6225DA</b> |
| 15900       | 16000       | 15100       | 16000        | 15900        | 15900        | 15100        | 15900        | 15100        | 15900        | 15100        | 15100        | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 1620        | 1630        | 1540        | 1630         | 1620         | 1620         | 1540         | 1620         | 1540         | 1620         | 1540         | 1540         | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 145000      | 145000      | 145000      | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | 145000       | Pro[N]            |              |               |
| 14800       | 14800       | 14800       | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | 14800        | Pro[kgf]          |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6225DB</b> |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 4.16        | 3.35        | 2.36        | 2.26         | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | <b>2.20</b>  | $P_i$ [kW]        | CHH C-75     | <b>6235DA</b> |
| 20500       | 20500       | 17200       | 20500        | 20500        | 20500        | 17200        | 20500        | 17200        | 20500        | 17200        | 17200        | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| 2090        | 2090        | 1750        | 2090         | 2090         | 2090         | 1750         | 2090         | 1750         | 2090         | 1750         | 1750         | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| 179000      | 179000      | 179000      | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | 179000       | Pro[N]            |              |               |
| 18200       | 18200       | 18200       | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | 18200        | Pro[kgf]          |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $P_i$ [kW]        | CHH C-75     | <b>6235DB</b> |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [N·m]   | CHF C-80     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | $T_{OUT}$ [kgf·m] | CVV C-87     |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[N]            |              |               |
| -           | -           | -           | -            | -            | -            | -            | -            | -            | -            | -            | -            | Pro[kgf]          |              |               |
| 1003        | 1247        | 1479        | 1849         | 2065         | 2537         | 3045         | 3481         | 4437         | 5133         | 6177         | 7569         | Ratio[Z]          | Dim.<br>Page | Frame<br>Size |
| 1.74        | 1.40        | 1.18        | 0.946        | 0.847        | 0.690        | 0.575        | 0.503        | 0.394        | 0.341        | 0.283        | 0.231        | $n_2$ [r/min]     |              |               |

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

## Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6245DA ~ 6275DA

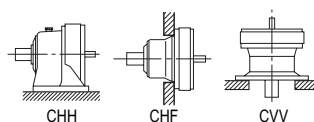
|             |                    |                                    |                                                  |
|-------------|--------------------|------------------------------------|--------------------------------------------------|
| Input Speed | $n_1 = 1750$ r/min | $n_1$ : Input Speed [r/min]        | $T_{out}$ : Allowable output torque [N·m, kgf·m] |
|             |                    | $n_2$ : Output Speed [r/min]       | Pro: Allowable output shaft radial load [N, kgf] |
|             |                    | $P_i$ : Allowable input power [kW] | *Consult us for Pro of CNF and CHF type.         |

| Frame Size | $n_2$ [r/min]     | 16.8 | 14.5   | 12.2 | 10.6   | 8.97   | 7.58   | 6.41   | 5.49   | 4.64   | 3.70   | 3.13   | 2.70   | 2.39   | 2.08   |
|------------|-------------------|------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|            | Ratio[Z]          | 104  | 121    | 143  | 165    | 195    | 231    | 273    | 319    | 377    | 473    | 559    | 649    | 731    | 841    |
| 6245DA     | $P_i$ [kW]        | -    | -      | -    | 25.4   | 23.9   | 22.7   | 19.2   | 16.5   | 13.9   | 11.1   | 9.40   | 8.09   | 7.19   | 6.25   |
|            | $T_{out}$ [N·m]   | -    | -      | -    | 20600  | 22900  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  | 25800  |
|            | $T_{out}$ [kgf·m] | -    | -      | -    | 2100   | 2330   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   | 2630   |
|            | Pro[N]            | -    | -      | -    | 160000 | 167000 | 179000 | 188000 | 196000 | 207000 | 208000 | 208000 | 208000 | 208000 | 208000 |
|            | Pro[kgf]          | -    | -      | -    | 16300  | 17100  | 18200  | 19200  | 20000  | 21100  | 21200  | 21200  | 21200  | 21200  | 21200  |
| 6245DB     | $P_i$ [kW]        | -    | 34.6   | -    | 32.4   | 27.4   | 22.7   | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [N·m]   | -    | 20500  | -    | 26200  | 26200  | 25800  | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [kgf·m] | -    | 2090   | -    | 2680   | 2680   | 2630   | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[N]            | -    | 148000 | -    | 158000 | 167000 | 179000 | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[kgf]          | -    | 15000  | -    | 16100  | 17000  | 18200  | -      | -      | -      | -      | -      | -      | -      | -      |
| 6255DA     | $P_i$ [kW]        | -    | 31.8   | -    | 31.8   | 31.8   | 27.3   | 23.1   | 20.7   | 17.5   | 14.9   | 12.6   | 10.8   | 9.61   | 7.86   |
|            | $T_{out}$ [N·m]   | -    | 18900  | -    | 25800  | 30500  | 31000  | 31000  | 32500  | 32500  | 34500  | 34500  | 34500  | 34500  | 32500  |
|            | $T_{out}$ [kgf·m] | -    | 1930   | -    | 2630   | 3110   | 3160   | 3160   | 3310   | 3310   | 3520   | 3520   | 3520   | 3520   | 3310   |
|            | Pro[N]            | -    | 182000 | -    | 195000 | 204000 | 218000 | 229000 | 241000 | 254000 | 258000 | 258000 | 258000 | 258000 | 258000 |
|            | Pro[kgf]          | -    | 18500  | -    | 19900  | 20800  | 22200  | 23400  | 24600  | 25900  | 26300  | 26300  | 26300  | 26300  | 26300  |
| 6255DB     | $P_i$ [kW]        | -    | 46.3   | -    | 38.4   | 32.5   | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [N·m]   | -    | 27500  | -    | 31200  | 31200  | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | $T_{out}$ [kgf·m] | -    | 2800   | -    | 3180   | 3180   | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[N]            | -    | 180000 | -    | 194000 | 204000 | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|            | Pro[kgf]          | -    | 18400  | -    | 19800  | 20800  | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 6265DA     | $P_i$ [kW]        | -    | 50.8   | -    | 50.8   | 45.7   | 40.5   | 34.3   | 29.4   | 24.8   | 19.8   | 16.8   | 14.4   | 12.8   | 11.1   |
|            | $T_{out}$ [N·m]   | -    | 30200  | -    | 41100  | 43700  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  | 46000  |
|            | $T_{out}$ [kgf·m] | -    | 3080   | -    | 4190   | 4460   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   | 4690   |
|            | Pro[N]            | -    | 221000 | -    | 236000 | 248000 | 265000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 | 276000 |
|            | Pro[kgf]          | -    | 22500  | -    | 24100  | 25300  | 27000  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  | 28100  |
| 6275DA     | $P_i$ [kW]        | -    | -      | -    | -      | -      | -      | -      | 43.5   | 36.8   | 29.4   | 24.8   | 21.4   | 19.0   | 16.5   |
|            | $T_{out}$ [N·m]   | -    | -      | -    | -      | -      | -      | -      | 68200  | 68200  | 68200  | 68200  | 68200  | 68200  | 68200  |
|            | $T_{out}$ [kgf·m] | -    | -      | -    | -      | -      | -      | -      | 6950   | 6950   | 6950   | 6950   | 6950   | 6950   | 6950   |
|            | Pro[N]            | -    | -      | -    | -      | -      | -      | -      | 248000 | 248000 | 248000 | 248000 | 248000 | 248000 | 248000 |
|            | Pro[kgf]          | -    | -      | -    | -      | -      | -      | -      | 25300  | 25300  | 25300  | 25300  | 25300  | 25300  | 25300  |
| Frame Size | Ratio[Z]          | 104  | 121    | 143  | 165    | 195    | 231    | 273    | 319    | 377    | 473    | 559    | 649    | 731    | 841    |
|            | $n_2$ [r/min]     | 16.8 | 14.5   | 12.2 | 10.6   | 8.97   | 7.58   | 6.41   | 5.49   | 4.64   | 3.70   | 3.13   | 2.70   | 2.39   | 2.08   |

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

## Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750 \text{ r/min}$ 

| 1.74   | 1.40   | 1.18   | 0.946       | 0.847       | 0.690       | 0.575       | 0.503       | 0.394       | 0.341       | 0.283       | 0.231       | $n_2$ [r/min]     | Dim. Page | Frame Size    |
|--------|--------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|-----------|---------------|
| 1003   | 1247   | 1479   | 1849        | 2065        | 2537        | 3045        | 3481        | 4437        | 5133        | 6177        | 7569        | Ratio[Z]          |           |               |
| 5.24   | 4.21   | 3.12   | 2.84        | 2.54        | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | <b>2.20</b> | $P_i$ [kW]        | CHH C-75  | <b>6245DA</b> |
| 25800  | 25800  | 22600  | 25800       | 25800       | 25800       | 22600       | 25800       | 22600       | 25800       | 22600       | 22600       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 2630   | 2630   | 2310   | 2630        | 2630        | 2630        | 2310        | 2630        | 2310        | 2630        | 2310        | 2310        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 208000 | 208000 | 208000 | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | 208000      | Pro[N]            |           |               |
| 21200  | 21200  | 21200  | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | 21200       | Pro[kgf]          |           |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | $P_i$ [kW]        | CHH C-75  | <b>6245DB</b> |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[N]            |           |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[kgf]          |           |               |
| 7.00   | 5.63   | 4.27   | 3.80        | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | <b>3.70</b> | $P_i$ [kW]        | CHH C-75  | <b>6255DA</b> |
| 34500  | 34500  | 31000  | 34500       | 34500       | 34500       | 31000       | 34500       | 31000       | 34500       | 31000       | 31000       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 3520   | 3520   | 3160   | 3520        | 3520        | 3520        | 3160        | 3520        | 3160        | 3520        | 3160        | 3160        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 258000 | 258000 | 258000 | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | 258000      | Pro[N]            |           |               |
| 26300  | 26300  | 26300  | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | 26300       | Pro[kgf]          |           |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | $P_i$ [kW]        | CHH C-75  | <b>6255DB</b> |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[N]            |           |               |
| -      | -      | -      | -           | -           | -           | -           | -           | -           | -           | -           | -           | Pro[kgf]          |           |               |
| 9.34   | 7.51   | 6.06   | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | <b>5.50</b> | $P_i$ [kW]        | CHH C-75  | <b>6265DA</b> |
| 46000  | 46000  | 44000  | 46000       | 46000       | 46000       | 44000       | 46000       | 44000       | 46000       | 44000       | 44000       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 4690   | 4690   | 4490   | 4690        | 4690        | 4690        | 4490        | 4690        | 4490        | 4690        | 4490        | 4490        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 276000 | 276000 | 276000 | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | 276000      | Pro[N]            |           |               |
| 28100  | 28100  | 28100  | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | 28100       | Pro[kgf]          |           |               |
| 13.8   | 11.1   | 9.39   | 7.51        | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | <b>7.50</b> | $P_i$ [kW]        | CHH C-75  | <b>6275DA</b> |
| 68200  | 68200  | 68200  | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | 68200       | $T_{OUT}$ [N·m]   | CHF C-80  |               |
| 6950   | 6950   | 6950   | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | 6950        | $T_{OUT}$ [kgf·m] | CVV C-87  |               |
| 248000 | 248000 | 245000 | 248000      | 248000      | 248000      | 245000      | 248000      | 245000      | 245000      | 245000      | 245000      | Pro[N]            |           |               |
| 25300  | 25300  | 25000  | 25300       | 25300       | 25300       | 25000       | 25300       | 25000       | 25000       | 25000       | 25000       | Pro[kgf]          |           |               |
| 1003   | 1247   | 1479   | 1849        | 2065        | 2537        | 3045        | 3481        | 4437        | 5133        | 6177        | 7569        | Ratio[Z]          | Dim. Page | Frame Size    |
| 1.74   | 1.40   | 1.18   | 0.946       | 0.847       | 0.690       | 0.575       | 0.503       | 0.394       | 0.341       | 0.283       | 0.231       | $n_2$ [r/min]     |           |               |

REDUCERS

Selection Tables  
Ratio 104, 121 - 7569

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

# C CYCLO® SPEED REDUCERS

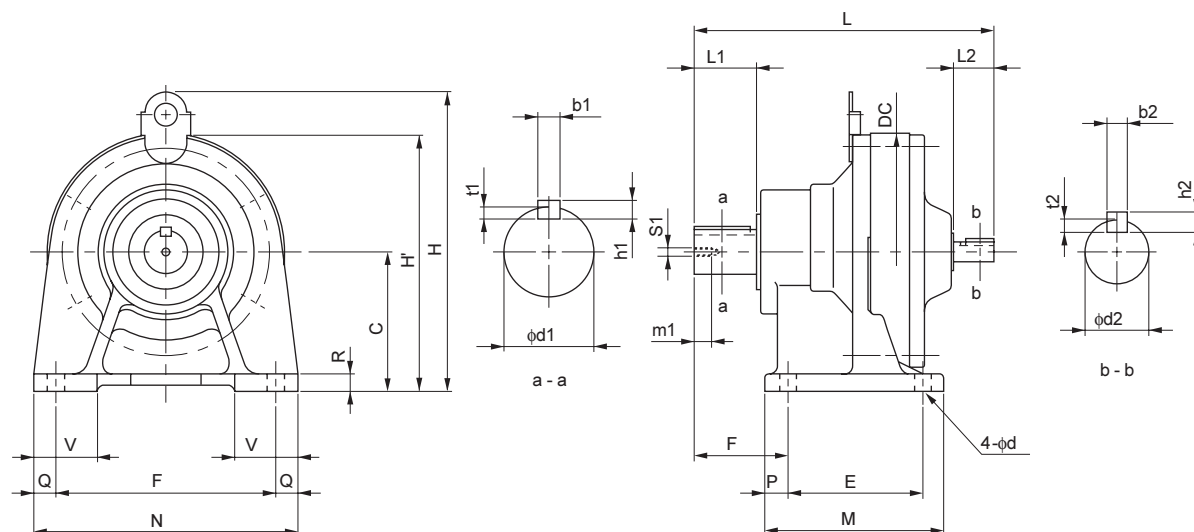
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## 3. Dimension Tables



# Dimension Tables Speed Reducer (Universal Direction, Foot Mount)

## CNH - 606□ to 612□



| Frame Size<br>Note 1 | L   | C   | DC  | E   | F   | G  | H   | H'  | M   | N   | P  | Q  | R  | V  | d  | W(kg) |
|----------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|----|----|----|-------|
| 606□                 | 145 | 80  | 110 | 60  | 120 | 41 | -   | 135 | 84  | 144 | 12 | 12 | 10 | 35 | 9  | 2.5   |
| 607□                 | 151 | 80  | 110 | 60  | 120 | 47 | -   | 135 | 84  | 144 | 12 | 12 | 10 | 35 | 9  | 2.5   |
| 608□                 | 179 | 90  | 134 | 75  | 120 | 52 | -   | 157 | 99  | 144 | 12 | 12 | 13 | 37 | 9  | 8     |
| 609□                 | 202 | 100 | 150 | 90  | 150 | 60 | -   | 175 | 135 | 180 | 15 | 15 | 12 | 40 | 11 | 11    |
| Note 5 610□          | 208 | 100 | 150 | 90  | 150 | 60 | 207 | -   | 135 | 180 | 15 | 15 | 12 | 40 | 11 | 13    |
| 611□                 | 218 | 120 | 162 | 90  | 150 | 70 | 236 | -   | 135 | 180 | 15 | 15 | 12 | 45 | 11 | 15    |
| Note 5 612□          | 259 | 120 | 204 | 115 | 190 | 82 | 257 | -   | 155 | 230 | 20 | 20 | 15 | 55 | 14 | 24    |

| Model<br>Note 1           | Output Shaft<br>Note 2, 3, 4 |    |    |    |     |    |    |  | Input Shaft<br>Note 2, 3, 4 |    |    |    |     |  |
|---------------------------|------------------------------|----|----|----|-----|----|----|--|-----------------------------|----|----|----|-----|--|
|                           | d1                           | L1 | b1 | h1 | t1  | S1 | m1 |  | d2                          | L2 | b2 | h2 | t2  |  |
| CNH - 606□ - Ratio        | 14                           | 25 | 5  | 5  | 3   | M5 | 16 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 607□ - Ratio        | 18                           | 30 | 6  | 6  | 3.5 | M6 | 16 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 608□ - Ratio        | 22                           | 35 | 6  | 6  | 3.5 | M6 | 16 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 609□ - Ratio        | 28                           | 35 | 8  | 7  | 4   | M8 | 20 |  | 15                          | 25 | 5  | 5  | 3   |  |
| Note 5 CNH - 610□ - Ratio | 28                           | 35 | 8  | 7  | 4   | M8 | 20 |  | 15                          | 25 | 5  | 5  | 3   |  |
| CNH - 611□ - Ratio        | 32                           | 45 | 10 | 8  | 5   | M8 | 20 |  | 15                          | 25 | 5  | 5  | 3   |  |
| Note 5 CNH - 612□ - Ratio | 38                           | 55 | 10 | 8  | 5   | M8 | 20 |  | 18                          | 35 | 6  | 6  | 3.5 |  |

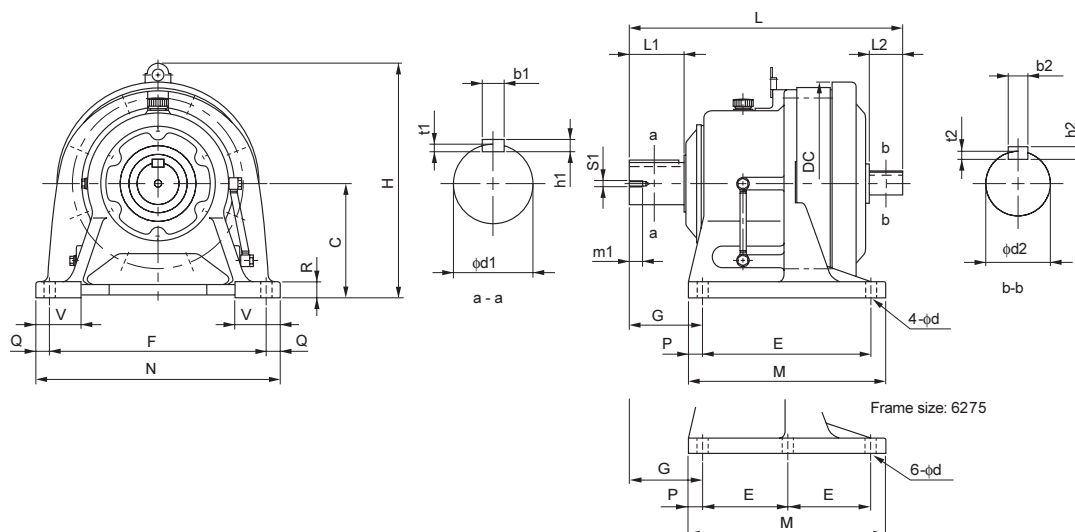
Note: 4. Refer to pages F-28~30 for details on input and output shaft end dimensions.

5. Refer to page C-88 for center height options available.

6. Dimensions in above drawings are subject to change without notice.

## Dimension Tables Speed Reducer (Horizontal Direction, Foot Mount)

CHH - 613□ to 6275



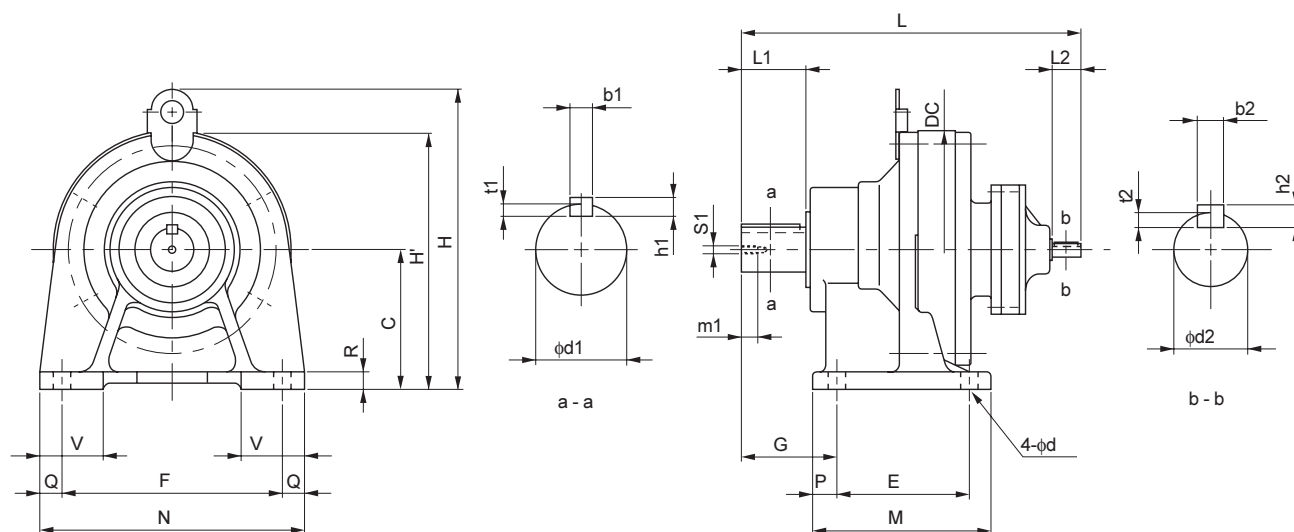
| Frame Size  | L    | C   | DC  | E   | F    | G   | H    | M    | N    | P   | Q  | R  | V   | d  | W(kg) |
|-------------|------|-----|-----|-----|------|-----|------|------|------|-----|----|----|-----|----|-------|
| Note 1      |      |     |     |     |      |     |      |      |      |     |    |    |     |    |       |
| 613□        | 321  | 150 | 230 | 145 | 290  | 100 | 300  | 195  | 330  | 25  | 20 | 22 | 65  | 18 | 43    |
| Note 5 614□ | 341  | 150 | 230 | 145 | 290  | 120 | 300  | 195  | 330  | 25  | 20 | 22 | 65  | 18 | 44    |
| Note 5 616□ | 413  | 160 | 318 | 150 | 370  | 139 | 367  | 238  | 410  | 44  | 20 | 25 | 75  | 18 | 84    |
| 617□        | 477  | 200 | 362 | 275 | 380  | 125 | 429  | 335  | 430  | 30  | 25 | 30 | 80  | 22 | 125   |
| 618□        | 527  | 220 | 390 | 320 | 420  | 145 | 467  | 380  | 470  | 30  | 25 | 30 | 85  | 22 | 163   |
| 619□        | 620  | 250 | 451 | 380 | 480  | 170 | 539  | 440  | 530  | 30  | 25 | 35 | 90  | 26 | 240   |
| 6205        | 678  | 250 | 471 | 360 | 440  | 215 | 530  | 440  | 530  | 40  | 45 | 35 | 100 | 26 | 255   |
| 6215        | 708  | 265 | 507 | 395 | 480  | 210 | 575  | 475  | 580  | 40  | 50 | 40 | 110 | 26 | 336   |
| 6225        | 752  | 280 | 549 | 420 | 540  | 230 | 610  | 520  | 620  | 50  | 40 | 40 | 115 | 33 | 409   |
| 6235        | 839  | 300 | 591 | 460 | 580  | 260 | 667  | 560  | 670  | 50  | 45 | 45 | 120 | 33 | 503   |
| 6245        | 877  | 335 | 637 | 480 | 630  | 263 | 729  | 580  | 720  | 50  | 45 | 45 | 128 | 39 | 614   |
| 6255        | 1040 | 375 | 703 | 520 | 670  | 320 | 815  | 630  | 780  | 55  | 55 | 50 | 140 | 39 | 957   |
| 6265        | 1150 | 400 | 772 | 590 | 770  | 390 | 874  | 700  | 880  | 55  | 55 | 55 | 160 | 45 | 1190  |
| 6275        | 1462 | 540 | 986 | 420 | 1050 | 485 | 1161 | 1040 | 1160 | 100 | 55 | 60 | 200 | 45 | 2460  |

| Model  |     |   |      |   |         | Output Shaft |     |    |    |     |     | Input Shaft  |    |     |    |    |     |
|--------|-----|---|------|---|---------|--------------|-----|----|----|-----|-----|--------------|----|-----|----|----|-----|
|        |     |   |      |   |         | Note 2, 3, 4 |     |    |    |     |     | Note 2, 3, 4 |    |     |    |    |     |
| Note 1 |     |   |      |   |         | d1           | L1  | b1 | h1 | t1  | S1  | m1           | d2 | L2  | b2 | h2 | t2  |
|        | CHH | - | 613  | □ | - Ratio | 50           | 70  | 14 | 9  | 5.5 | M10 | 18           | 22 | 40  | 6  | 6  | 3.5 |
| Note 5 | CHH | - | 614  | □ | - Ratio | 50           | 90  | 14 | 9  | 5.5 | M10 | 18           | 22 | 40  | 6  | 6  | 3.5 |
| Note 5 | CHH | - | 616  | □ | - Ratio | 60           | 90  | 18 | 11 | 7   | M10 | 18           | 30 | 45  | 8  | 7  | 4   |
|        | CHH | - | 617  | □ | - Ratio | 70           | 90  | 20 | 12 | 7.5 | M12 | 24           | 35 | 55  | 10 | 8  | 5   |
|        | CHH | - | 618  | □ | - Ratio | 80           | 110 | 22 | 14 | 9   | M12 | 24           | 40 | 65  | 12 | 8  | 5   |
|        | CHH | - | 619  | □ | - Ratio | 95           | 135 | 25 | 14 | 9   | M20 | 34           | 45 | 70  | 14 | 9  | 5.5 |
|        | CHH | - | 6205 |   | - Ratio | 100          | 165 | 28 | 16 | 10  | M20 | 34           | 45 | 82  | 14 | 9  | 5.5 |
|        | CHH | - | 6215 |   | - Ratio | 110          | 165 | 28 | 16 | 10  | M20 | 34           | 50 | 82  | 14 | 9  | 5.5 |
|        | CHH | - | 6225 |   | - Ratio | 120          | 165 | 32 | 18 | 11  | M20 | 34           | 55 | 82  | 16 | 10 | 6   |
|        | CHH | - | 6235 |   | - Ratio | 130          | 200 | 32 | 18 | 11  | M24 | 41           | 60 | 105 | 18 | 11 | 7   |
|        | CHH | - | 6245 |   | - Ratio | 140          | 200 | 36 | 20 | 12  | M24 | 41           | 65 | 105 | 18 | 11 | 7   |
|        | CHH | - | 6255 |   | - Ratio | 160          | 240 | 40 | 22 | 13  | M30 | 49           | 80 | 130 | 22 | 14 | 9   |
|        | CHH | - | 6265 |   | - Ratio | 170          | 300 | 40 | 22 | 13  | M30 | 49           | 80 | 130 | 22 | 14 | 9   |
|        | CHH | - | 6275 |   | - Ratio | 180          | 330 | 45 | 25 | 15  | M30 | 52           | 90 | 150 | 25 | 14 | 9   |

Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.  
 2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."  
 3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

# Dimension Tables Speed Reducer (Universal Direction, Foot Mount)

## CNH - 606□DA to 612□DB



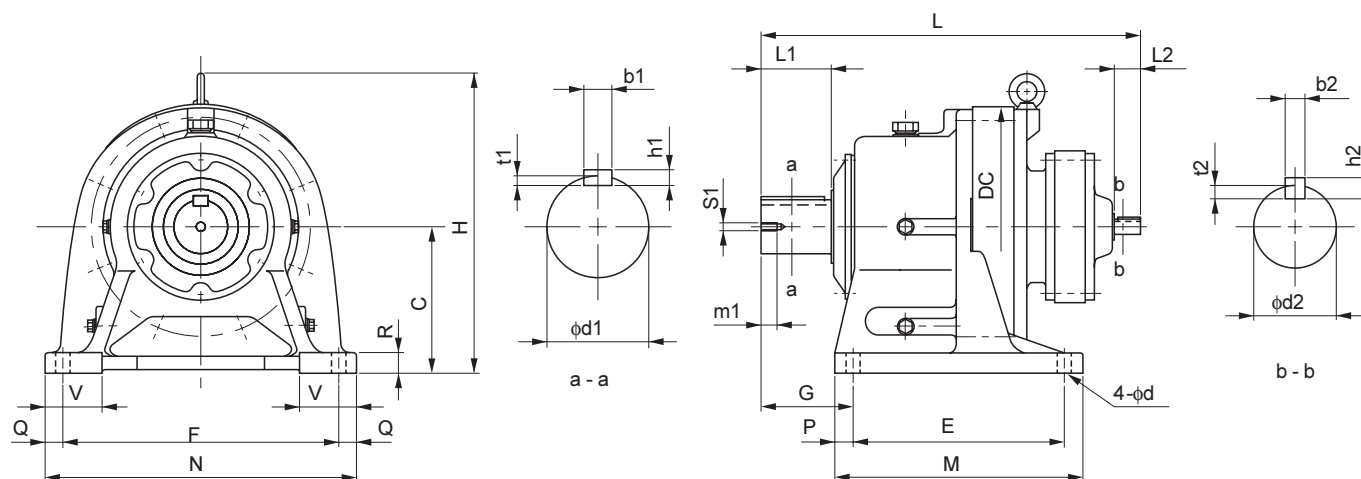
| Frame Size<br>Note 1 | L   | C   | DC  | E   | F   | G  | H   | H'  | M   | N   | P  | Q  | R  | V  | d  | W(kg) |
|----------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|----|----|----|-------|
| 606□DA               | 178 | 80  | 110 | 60  | 120 | 41 | -   | 135 | 84  | 144 | 12 | 12 | 10 | 35 | 9  | 4.0   |
| 607□DA               | 184 | 80  | 110 | 60  | 120 | 47 | -   | 135 | 84  | 144 | 12 | 12 | 10 | 35 | 9  | 4.5   |
| 609□DA               | 243 | 100 | 150 | 90  | 150 | 60 | -   | 175 | 135 | 180 | 15 | 15 | 12 | 40 | 11 | 12    |
| 610□DA               | 257 | 100 | 150 | 90  | 150 | 60 | 207 | -   | 135 | 180 | 15 | 15 | 12 | 40 | 11 | 15    |
| 612□DA               | 293 | 120 | 204 | 115 | 190 | 82 | 257 | -   | 155 | 230 | 20 | 20 | 15 | 55 | 14 | 26    |
| 612□DB               | 312 | 120 | 204 | 115 | 190 | 82 | 257 | -   | 155 | 230 | 20 | 20 | 15 | 55 | 14 | 29    |

| Model<br>Note 1      | Output Shaft<br>Note 2, 3, 4 |    |    |    |     |    |    |  | Input Shaft<br>Note 2, 3, 4 |    |    |    |     |  |
|----------------------|------------------------------|----|----|----|-----|----|----|--|-----------------------------|----|----|----|-----|--|
|                      | d1                           | L1 | b1 | h1 | t1  | S1 | m1 |  | d2                          | L2 | b2 | h2 | t2  |  |
| CNH - 606□DA - Ratio | 14                           | 25 | 5  | 5  | 3   | M5 | 16 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 607□DA - Ratio | 18                           | 30 | 6  | 6  | 3.5 | M6 | 16 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 609□DA - Ratio | 28                           | 35 | 8  | 7  | 4   | M8 | 20 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 610□DA - Ratio | 28                           | 35 | 8  | 7  | 4   | M8 | 20 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 612□DA - Ratio | 38                           | 55 | 10 | 8  | 5   | M8 | 20 |  | 12                          | 25 | 4  | 4  | 2.5 |  |
| CNH - 612□DB - Ratio | 38                           | 55 | 10 | 8  | 5   | M8 | 20 |  | 15                          | 25 | 5  | 5  | 3   |  |

Note: 4. Refer to pages F-28~30 for details on input and output shaft end dimensions.

5. Refer to page C-88 for center height options available.

6. Dimensions in above drawings are subject to change without notice.

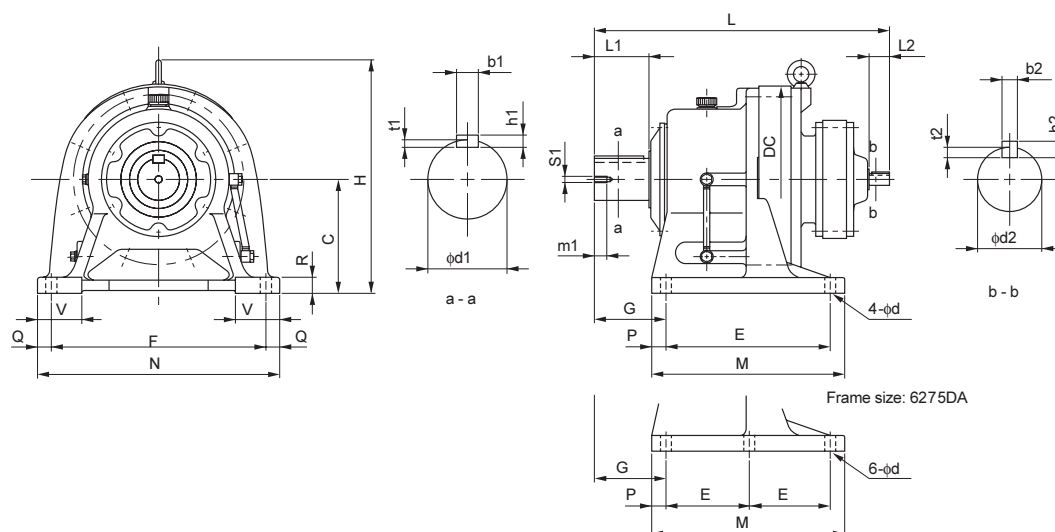


| Frame Size<br><small>Note 1</small> | L   | C   | DC  | E   | F   | G   | H   | M   | N   | P  | Q  | R  | V  | d  | W(kg) |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-------|
| 613□DA                              | 347 | 150 | 230 | 145 | 290 | 100 | 300 | 195 | 330 | 25 | 20 | 22 | 65 | 18 | 41    |
| 613□DB                              | 363 | 150 | 230 | 145 | 290 | 100 | 300 | 195 | 330 | 25 | 20 | 22 | 65 | 18 | 45    |
| 613□DC                              | 369 | 150 | 230 | 145 | 290 | 100 | 300 | 195 | 330 | 25 | 20 | 22 | 65 | 18 | 46    |
| 614□DA                              | 367 | 150 | 230 | 145 | 290 | 120 | 300 | 195 | 330 | 25 | 20 | 22 | 65 | 18 | 41    |
| 614□DB                              | 383 | 150 | 230 | 145 | 290 | 120 | 300 | 195 | 330 | 25 | 20 | 22 | 65 | 18 | 45    |
| 614□DC                              | 389 | 150 | 230 | 145 | 290 | 120 | 300 | 195 | 330 | 25 | 20 | 22 | 65 | 18 | 46    |
| 616□DA                              | 433 | 160 | 300 | 150 | 370 | 139 | 349 | 238 | 410 | 44 | 20 | 25 | 75 | 18 | 85    |
| 616□DB                              | 439 | 160 | 300 | 150 | 370 | 139 | 349 | 238 | 410 | 44 | 20 | 25 | 75 | 18 | 87    |
| 617□DA                              | 478 | 200 | 340 | 275 | 380 | 125 | 416 | 335 | 430 | 30 | 25 | 30 | 80 | 22 | 121   |
| 617□DB                              | 484 | 200 | 340 | 275 | 380 | 125 | 416 | 335 | 430 | 30 | 25 | 30 | 80 | 22 | 123   |
| 618□DA                              | 526 | 220 | 370 | 320 | 420 | 145 | 451 | 380 | 470 | 30 | 25 | 30 | 85 | 22 | 165   |

| Model<br><div>Note 1</div> | Output Shaft<br><div>Note 2, 3, 4</div> |     |    |    |     |     |    | Input Shaft<br><div>Note 2, 3, 4</div> |    |    |    |     |
|----------------------------|-----------------------------------------|-----|----|----|-----|-----|----|----------------------------------------|----|----|----|-----|
|                            | d1                                      | L1  | b1 | h1 | t1  | S1  | m1 | d2                                     | L2 | b2 | h2 | t2  |
| CHH - 613□DA - Ratio       | 50                                      | 70  | 14 | 9  | 5.5 | M10 | 18 | 12                                     | 25 | 4  | 4  | 2.5 |
| CHH - 613□DB - Ratio       | 50                                      | 70  | 14 | 9  | 5.5 | M10 | 18 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 613□DC - Ratio       | 50                                      | 70  | 14 | 9  | 5.5 | M10 | 18 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 614□DA - Ratio       | 50                                      | 90  | 14 | 9  | 5.5 | M10 | 18 | 12                                     | 25 | 4  | 4  | 2.5 |
| CHH - 614□DB - Ratio       | 50                                      | 90  | 14 | 9  | 5.5 | M10 | 18 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 614□DC - Ratio       | 50                                      | 90  | 14 | 9  | 5.5 | M10 | 18 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 616□DA - Ratio       | 60                                      | 90  | 18 | 11 | 7   | M10 | 18 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 616□DB - Ratio       | 60                                      | 90  | 18 | 11 | 7   | M10 | 18 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 617□DA - Ratio       | 70                                      | 90  | 20 | 12 | 7.5 | M12 | 24 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 617□DB - Ratio       | 70                                      | 90  | 20 | 12 | 7.5 | M12 | 24 | 15                                     | 25 | 5  | 5  | 3   |
| CHH - 618□DA - Ratio       | 80                                      | 110 | 22 | 14 | 9   | M12 | 24 | 15                                     | 25 | 5  | 5  | 3   |

# Dimension Tables Speed Reducer (Horizontal Direction, Foot Mount)

## CHH - 616□DC to 6275DA



| Frame Size<br>Note 1 | L    | C   | DC  | E   | F    | G   | H    | M    | N    | P   | Q  | R  | V   | d  | W(kg) |
|----------------------|------|-----|-----|-----|------|-----|------|------|------|-----|----|----|-----|----|-------|
| 616□DC               | 462  | 160 | 300 | 150 | 370  | 139 | 349  | 238  | 410  | 44  | 20 | 25 | 75  | 18 | 94    |
| 617□DC               | 509  | 200 | 340 | 275 | 380  | 125 | 416  | 335  | 430  | 30  | 25 | 30 | 80  | 22 | 128   |
| 618□DB               | 577  | 220 | 370 | 320 | 420  | 145 | 451  | 380  | 470  | 30  | 25 | 30 | 85  | 22 | 183   |
| 619□DA               | 629  | 250 | 430 | 380 | 480  | 170 | 531  | 440  | 530  | 30  | 25 | 35 | 90  | 26 | 241   |
| 619□DB               | 653  | 250 | 430 | 380 | 480  | 170 | 531  | 440  | 530  | 30  | 25 | 35 | 90  | 26 | 250   |
| 6205DA               | 670  | 250 | 448 | 360 | 440  | 215 | 530  | 440  | 530  | 40  | 45 | 35 | 100 | 26 | 260   |
| 6205DB               | 705  | 250 | 448 | 360 | 440  | 215 | 530  | 440  | 530  | 40  | 45 | 35 | 100 | 26 | 273   |
| 6215DA               | 731  | 265 | 485 | 395 | 480  | 210 | 575  | 475  | 580  | 40  | 50 | 40 | 110 | 26 | 354   |
| 6215DB               | 780  | 265 | 485 | 395 | 480  | 210 | 575  | 475  | 580  | 40  | 50 | 40 | 110 | 26 | 376   |
| 6225DA               | 773  | 280 | 526 | 420 | 540  | 230 | 610  | 520  | 620  | 50  | 40 | 40 | 115 | 33 | 429   |
| 6225DB               | 860  | 280 | 526 | 420 | 540  | 230 | 610  | 520  | 620  | 50  | 40 | 40 | 115 | 33 | 476   |
| 6235DA               | 883  | 300 | 562 | 460 | 580  | 260 | 667  | 560  | 670  | 50  | 45 | 45 | 120 | 33 | 548   |
| 6235DB               | 938  | 300 | 562 | 460 | 580  | 260 | 667  | 560  | 670  | 50  | 45 | 45 | 120 | 33 | 582   |
| 6245DA               | 921  | 335 | 614 | 480 | 630  | 263 | 729  | 580  | 720  | 50  | 45 | 45 | 128 | 39 | 656   |
| 6245DB               | 975  | 335 | 614 | 480 | 630  | 263 | 729  | 580  | 720  | 50  | 45 | 45 | 128 | 39 | 686   |
| 6255DA               | 1081 | 375 | 670 | 520 | 670  | 320 | 815  | 630  | 780  | 55  | 55 | 50 | 140 | 39 | 1010  |
| 6255DB               | 1133 | 375 | 670 | 520 | 670  | 320 | 815  | 630  | 780  | 55  | 55 | 50 | 140 | 39 | 1085  |
| 6265DA               | 1243 | 400 | 736 | 590 | 770  | 390 | 874  | 700  | 880  | 55  | 55 | 55 | 160 | 45 | 1340  |
| 6275DA               | 1504 | 540 | 950 | 420 | 1050 | 485 | 1161 | 1040 | 1160 | 100 | 55 | 60 | 200 | 45 | 2480  |

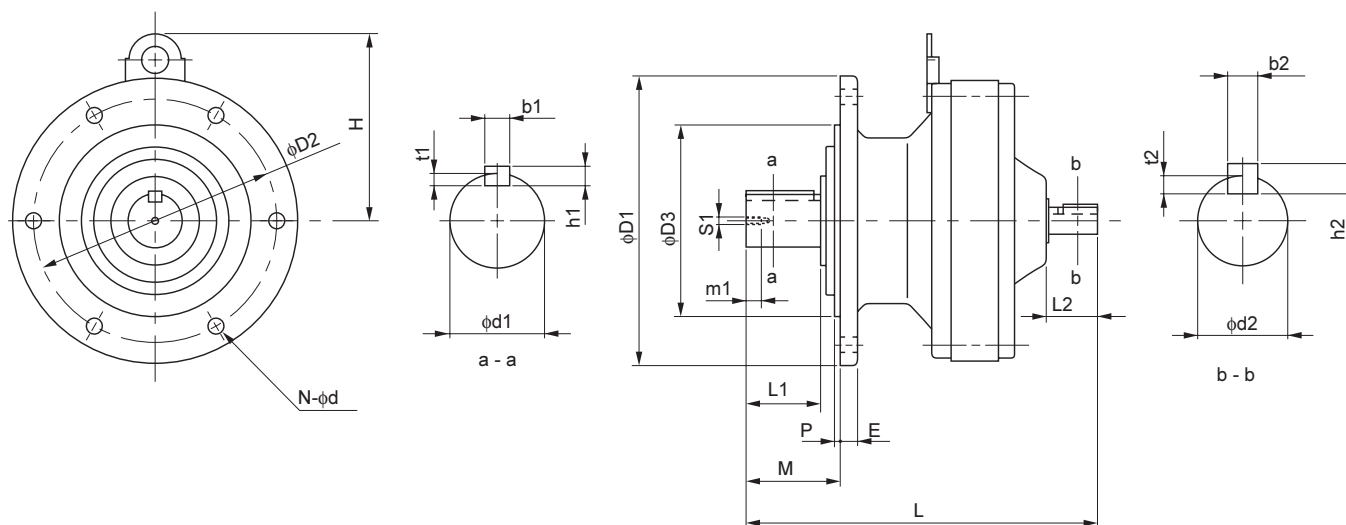
| Model<br>Note 1      | Output Shaft<br>Note 2, 3, 4 |     |    |    |     |     |    |  | Input Shaft<br>Note 2, 3, 4 |    |    |    |     |  |
|----------------------|------------------------------|-----|----|----|-----|-----|----|--|-----------------------------|----|----|----|-----|--|
|                      | d1                           | L1  | b1 | h1 | t1  | S1  | m1 |  | d2                          | L2 | b2 | h2 | t2  |  |
| CHH - 616□DC - Ratio | 60                           | 90  | 18 | 11 | 7   | M10 | 18 |  | 18                          | 35 | 6  | 6  | 3.5 |  |
| CHH - 617□DC - Ratio | 70                           | 90  | 20 | 12 | 7.5 | M12 | 24 |  | 18                          | 35 | 6  | 6  | 3.5 |  |
| CHH - 618□DB - Ratio | 80                           | 110 | 22 | 14 | 9   | M12 | 24 |  | 22                          | 40 | 6  | 6  | 3.5 |  |
| CHH - 619□DA - Ratio | 95                           | 135 | 25 | 14 | 9   | M20 | 34 |  | 18                          | 35 | 6  | 6  | 3.5 |  |
| CHH - 619□DB - Ratio | 95                           | 135 | 25 | 14 | 9   | M20 | 34 |  | 22                          | 40 | 6  | 6  | 3.5 |  |
| CHH - 6205DA - Ratio | 100                          | 165 | 28 | 16 | 10  | M20 | 34 |  | 18                          | 35 | 6  | 6  | 3.5 |  |
| CHH - 6205DB - Ratio | 100                          | 165 | 28 | 16 | 10  | M20 | 34 |  | 22                          | 40 | 6  | 6  | 3.5 |  |
| CHH - 6215DA - Ratio | 110                          | 165 | 28 | 16 | 10  | M20 | 34 |  | 22                          | 40 | 6  | 6  | 3.5 |  |
| CHH - 6215DB - Ratio | 110                          | 165 | 28 | 16 | 10  | M20 | 34 |  | 30                          | 45 | 8  | 7  | 4   |  |
| CHH - 6225DA - Ratio | 120                          | 165 | 32 | 18 | 11  | M20 | 34 |  | 22                          | 40 | 6  | 6  | 3.5 |  |
| CHH - 6225DB - Ratio | 120                          | 165 | 32 | 18 | 11  | M20 | 34 |  | 35                          | 55 | 10 | 8  | 5   |  |
| CHH - 6235DA - Ratio | 130                          | 200 | 32 | 18 | 11  | M24 | 41 |  | 30                          | 45 | 8  | 7  | 4   |  |
| CHH - 6235DB - Ratio | 130                          | 200 | 32 | 18 | 11  | M24 | 41 |  | 40                          | 65 | 12 | 8  | 5   |  |
| CHH - 6245DA - Ratio | 140                          | 200 | 36 | 20 | 12  | M24 | 41 |  | 30                          | 45 | 8  | 7  | 4   |  |
| CHH - 6245DB - Ratio | 140                          | 200 | 36 | 20 | 12  | M24 | 41 |  | 40                          | 65 | 12 | 8  | 5   |  |
| CHH - 6255DA - Ratio | 160                          | 240 | 40 | 22 | 13  | M30 | 49 |  | 35                          | 55 | 10 | 8  | 5   |  |
| CHH - 6255DB - Ratio | 160                          | 240 | 40 | 22 | 13  | M30 | 49 |  | 45                          | 70 | 14 | 9  | 5.5 |  |
| CHH - 6265DA - Ratio | 170                          | 300 | 40 | 22 | 13  | M30 | 49 |  | 45                          | 70 | 14 | 9  | 5.5 |  |
| CHH - 6275DA - Ratio | 180                          | 330 | 45 | 25 | 15  | M30 | 52 |  | 45                          | 70 | 14 | 9  | 5.5 |  |

Note: 4. Refer to pages F-28~30 for details on input and output shaft end dimensions.

5. Dimensions in above drawings are subject to change without notice.

## Dimension Tables Speed Reducer (Universal Direction, V-Flange Mount)

CNV - 606□ to 612□



| Frame Size<br>Note 1 | L   | D1  | D2  | D3<br>Note 4 | H   | M  | E  | P | N | d  | W(kg) |
|----------------------|-----|-----|-----|--------------|-----|----|----|---|---|----|-------|
| 606□                 | 145 | 120 | 102 | 80           | -   | 34 | 8  | 3 | 6 | 9  | 3.5   |
| 607□                 | 151 | 160 | 134 | 110          | -   | 42 | 9  | 3 | 4 | 11 | 4.5   |
| 608□                 | 179 | 160 | 134 | 110          | -   | 48 | 9  | 3 | 4 | 11 | 8     |
| 609□                 | 202 | 160 | 134 | 110          | 107 | 48 | 9  | 3 | 4 | 11 | 9     |
| 610□                 | 208 | 160 | 134 | 110          | 107 | 48 | 9  | 3 | 4 | 11 | 11    |
| 611□                 | 218 | 210 | 180 | 140          | 116 | 58 | 11 | 4 | 6 | 11 | 13    |
| 612□                 | 259 | 210 | 180 | 140          | 137 | 69 | 13 | 4 | 6 | 11 | 23    |

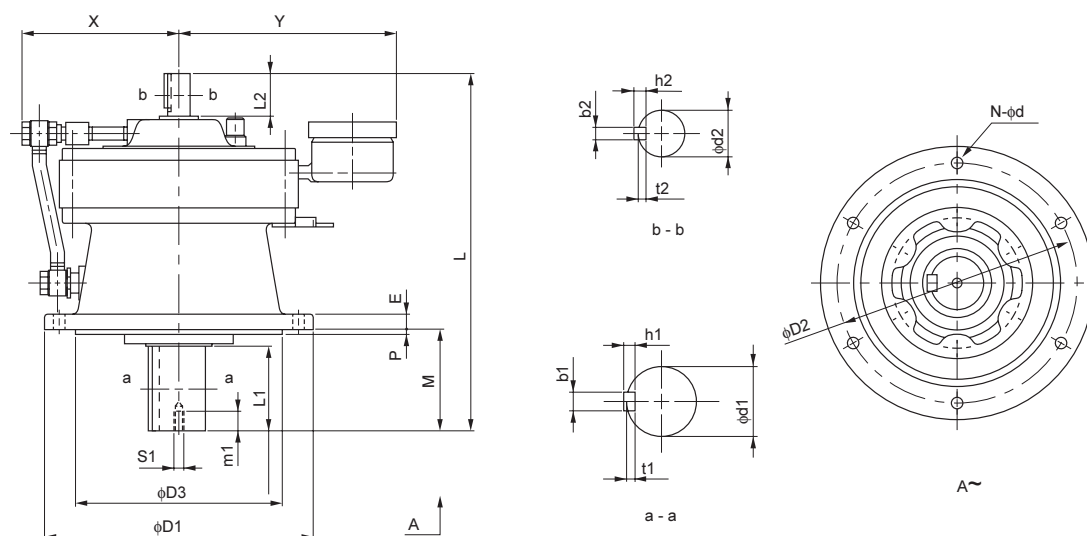
| Model  |   |     |  |   |       | Output Shaft |    |    |    |     |    | Input Shaft |    |    |    |    |     |
|--------|---|-----|--|---|-------|--------------|----|----|----|-----|----|-------------|----|----|----|----|-----|
|        |   |     |  |   |       | Note 2, 3    |    |    |    |     |    | Note 2, 3   |    |    |    |    |     |
| Note 1 |   |     |  |   |       | d1           | L1 | b1 | h1 | t1  | S1 | m1          | d2 | L2 | b2 | h2 | t2  |
| CNV    | - | 606 |  | - | Ratio | 14           | 25 | 5  | 5  | 3   | M5 | 16          | 12 | 25 | 4  | 4  | 2.5 |
| CNV    | - | 607 |  | - | Ratio | 18           | 30 | 6  | 6  | 3.5 | M6 | 16          | 12 | 25 | 4  | 4  | 2.5 |
| CNV    | - | 608 |  | - | Ratio | 22           | 35 | 6  | 6  | 3.5 | M6 | 16          | 12 | 25 | 4  | 4  | 2.5 |
| CNV    | - | 609 |  | - | Ratio | 28           | 35 | 8  | 7  | 4   | M8 | 20          | 15 | 25 | 5  | 5  | 3   |
| CNV    | - | 610 |  | - | Ratio | 28           | 35 | 8  | 7  | 4   | M8 | 20          | 15 | 25 | 5  | 5  | 3   |
| CNV    | - | 611 |  | - | Ratio | 32           | 45 | 10 | 8  | 5   | M8 | 20          | 15 | 25 | 5  | 5  | 3   |
| CNV    | - | 612 |  | - | Ratio | 38           | 55 | 10 | 8  | 5   | M8 | 20          | 18 | 35 | 6  | 6  | 3.5 |

Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.  
 2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."  
 3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."



# Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVV - 613□ to 614□



| Frame Size<br>Note 1 | L   | D1  | D2  | D3  | M  | E  | P | N | d  | X   | Y   | W(kg) |
|----------------------|-----|-----|-----|-----|----|----|---|---|----|-----|-----|-------|
| 613□                 | 321 | 260 | 230 | 200 | 76 | 15 | 4 | 6 | 11 | 152 | 233 | 42    |
| 614□                 | 341 | 260 | 230 | 200 | 96 | 15 | 4 | 6 | 11 | 152 | 233 | 43    |

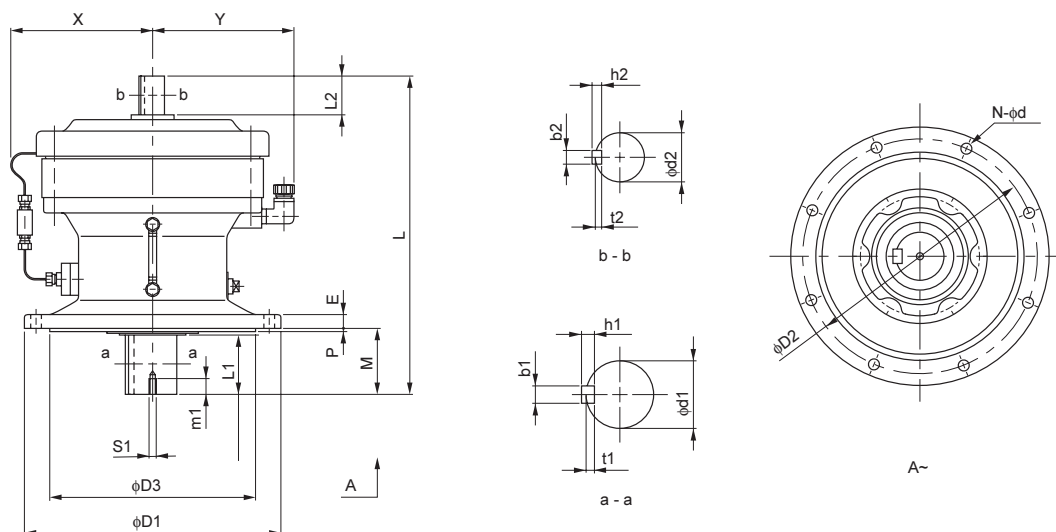
| Model  |   |     |   |   |       | Output Shaft |    |    |    |     |     |    | Input Shaft |    |    |    |     |
|--------|---|-----|---|---|-------|--------------|----|----|----|-----|-----|----|-------------|----|----|----|-----|
|        |   |     |   |   |       | Note 2, 3    |    |    |    |     |     |    | Note 2, 3   |    |    |    |     |
| Note 1 |   |     |   |   |       | d1           | L1 | b1 | h1 | t1  | S1  | m1 | d2          | L2 | b2 | h2 | t2  |
| CVV    | - | 613 | □ | - | Ratio | 50           | 61 | 14 | 9  | 5.5 | M10 | 18 | 22          | 40 | 6  | 6  | 3.5 |
| CVV    | - | 614 | □ | - | Ratio | 50           | 81 | 14 | 9  | 5.5 | M10 | 18 | 22          | 40 | 6  | 6  | 3.5 |

Note: 4. Pilot diameter ( $\phi D3$ ): Dimension tolerance conforms to JIS B 0401-1976 "f8."

5. Dimensions in above drawings are subject to change without notice.

## Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

## CVV - 616□ to 6275



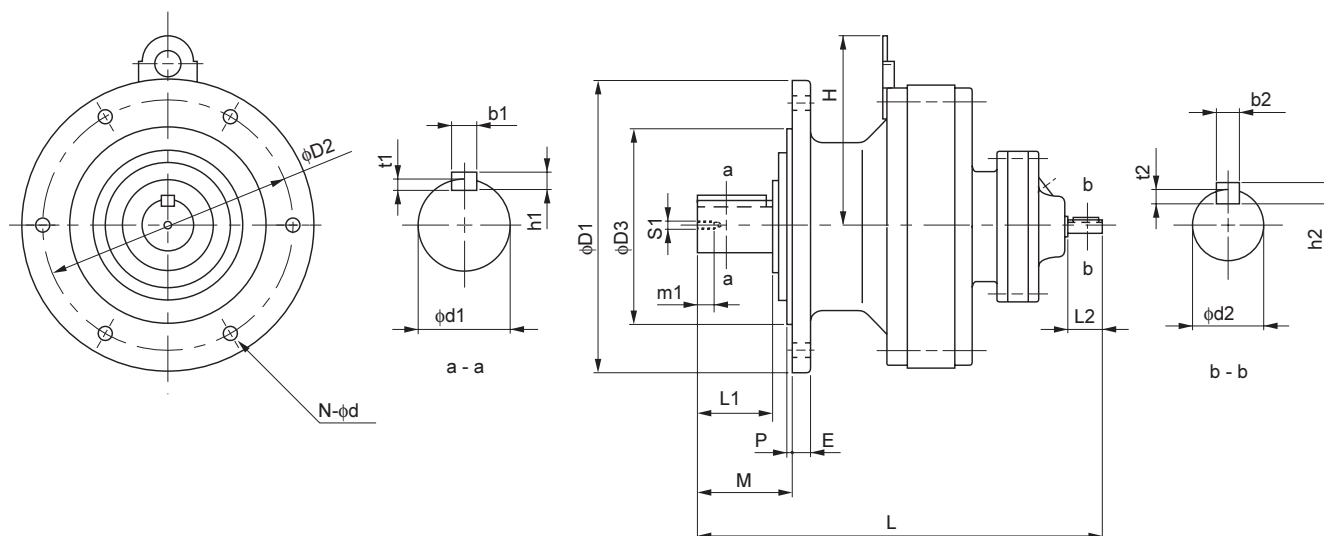
| Frame Size<br>Note 1 | L    | D1   | D2   | D3<br>Note 4 | M   | E  | P  | N  | d  | X   | Y   | W(kg) |
|----------------------|------|------|------|--------------|-----|----|----|----|----|-----|-----|-------|
| 616□                 | 413  | 340  | 310  | 270          | 89  | 20 | 4  | 6  | 11 | 217 | 200 | 79    |
| 617□                 | 477  | 400  | 360  | 316          | 94  | 22 | 5  | 8  | 14 | 222 | 225 | 125   |
| 618□                 | 527  | 430  | 390  | 345          | 110 | 22 | 5  | 8  | 18 | 237 | 240 | 150   |
| 619□                 | 620  | 490  | 450  | 400          | 145 | 30 | 6  | 12 | 18 | 265 | 270 | 225   |
| 6205                 | 678  | 455  | 405  | 355          | 204 | 30 | 5  | 8  | 22 | 341 | 287 | 243   |
| 6215                 | 708  | 490  | 440  | 390          | 203 | 35 | 7  | 8  | 24 | 348 | 306 | 314   |
| 6225                 | 752  | 535  | 475  | 415          | 210 | 35 | 10 | 8  | 27 | 352 | 326 | 396   |
| 6235                 | 839  | 570  | 510  | 450          | 250 | 40 | 10 | 8  | 27 | 359 | 344 | 474   |
| 6245                 | 877  | 635  | 560  | 485          | 250 | 40 | 10 | 8  | 33 | 370 | 371 | 568   |
| 6255                 | 1040 | 685  | 610  | 535          | 295 | 45 | 10 | 8  | 33 | 426 | 399 | 865   |
| 6265                 | 1150 | 750  | 660  | 570          | 360 | 50 | 10 | 8  | 39 | 460 | 431 | 1125  |
| 6275                 | 1462 | 1160 | 1020 | 900          | 355 | 60 | 10 | 8  | 39 | 610 | 613 | 2610  |

| Model  |   |      |   |         | Output Shaft |     |    |    |     |     |    | Input Shaft |     |    |    |     |
|--------|---|------|---|---------|--------------|-----|----|----|-----|-----|----|-------------|-----|----|----|-----|
|        |   |      |   |         | Note 2, 3    |     |    |    |     |     |    | Note 2, 3   |     |    |    |     |
| Note 1 |   |      |   |         | d1           | L1  | b1 | h1 | t1  | S1  | m1 | d2          | L2  | b2 | h2 | t2  |
| CVV    | - | 616  | □ | - Ratio | 60           | 80  | 18 | 11 | 7   | M10 | 18 | 30          | 45  | 8  | 7  | 4   |
| CVV    | - | 617  | □ | - Ratio | 70           | 84  | 20 | 12 | 7.5 | M12 | 24 | 35          | 55  | 10 | 8  | 5   |
| CVV    | - | 618  | □ | - Ratio | 80           | 100 | 22 | 14 | 9   | M12 | 24 | 40          | 65  | 12 | 8  | 5   |
| CVV    | - | 619  | □ | - Ratio | 95           | 125 | 25 | 14 | 9   | M20 | 34 | 45          | 70  | 14 | 9  | 5.5 |
| CVV    | - | 6205 | - | - Ratio | 100          | 165 | 28 | 16 | 10  | M20 | 34 | 45          | 82  | 14 | 9  | 5.5 |
| CVV    | - | 6215 | - | - Ratio | 110          | 165 | 28 | 16 | 10  | M20 | 34 | 50          | 82  | 14 | 9  | 5.5 |
| CVV    | - | 6225 | - | - Ratio | 120          | 165 | 32 | 18 | 11  | M20 | 34 | 55          | 82  | 16 | 10 | 6   |
| CVV    | - | 6235 | - | - Ratio | 130          | 200 | 32 | 18 | 11  | M24 | 41 | 60          | 105 | 18 | 11 | 7   |
| CVV    | - | 6245 | - | - Ratio | 140          | 200 | 36 | 20 | 12  | M24 | 41 | 65          | 105 | 18 | 11 | 7   |
| CVV    | - | 6255 | - | - Ratio | 160          | 240 | 40 | 22 | 13  | M30 | 49 | 80          | 130 | 22 | 14 | 9   |
| CVV    | - | 6265 | - | - Ratio | 170          | 300 | 40 | 22 | 13  | M30 | 49 | 80          | 130 | 22 | 14 | 9   |
| CVV    | - | 6275 | - | - Ratio | 180          | 320 | 45 | 25 | 15  | M30 | 52 | 90          | 150 | 25 | 14 | 9   |

Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.  
 2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."  
 3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

# Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

## CNV - 606□DA to 612□DB



REDUCERS

Dimension Tables  
CNV

| Frame Size<br>Note 1 | L   | D1  | D2  | D3<br>Note 4 | H   | M  | E  | P | N | d  | W(kg) |
|----------------------|-----|-----|-----|--------------|-----|----|----|---|---|----|-------|
| 606□DA               | 178 | 120 | 102 | 80           | -   | 34 | 8  | 3 | 6 | 9  | 5.0   |
| 607□DA               | 184 | 160 | 134 | 110          | -   | 42 | 9  | 3 | 4 | 11 | 6.7   |
| 609□DA               | 243 | 160 | 134 | 110          | 107 | 48 | 9  | 3 | 4 | 11 | 11    |
| 610□DA               | 257 | 160 | 134 | 110          | 107 | 48 | 9  | 3 | 4 | 11 | 13    |
| 612□DA               | 293 | 210 | 180 | 140          | 137 | 69 | 13 | 4 | 6 | 11 | 25    |
| 612□DB               | 312 | 210 | 180 | 140          | 137 | 69 | 13 | 4 | 6 | 11 | 29    |

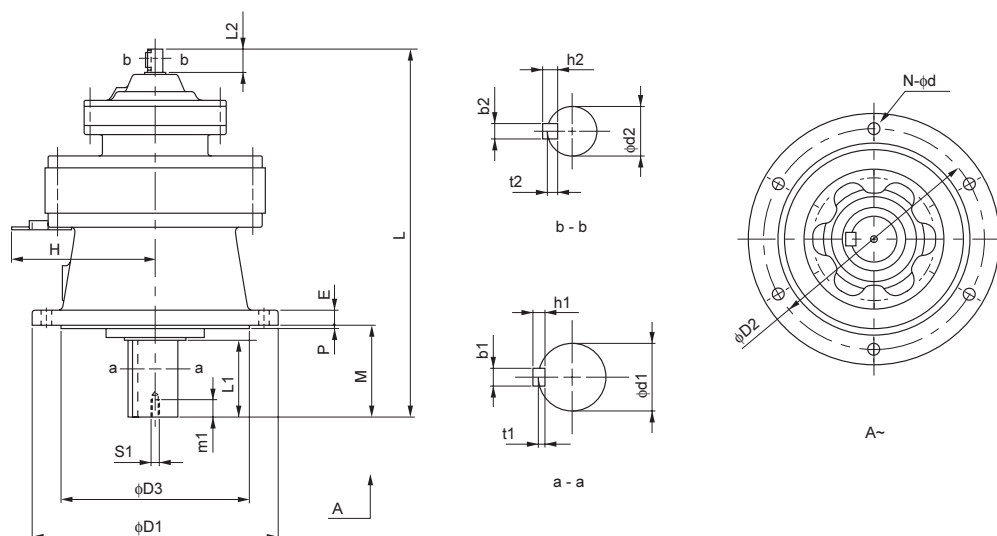
| Model<br>Note 1      | Output Shaft<br>Note 2, 3 |    |    |    |     |    |    |  | Input Shaft<br>Note 2, 3 |    |    |    |     |
|----------------------|---------------------------|----|----|----|-----|----|----|--|--------------------------|----|----|----|-----|
|                      | d1                        | L1 | b1 | h1 | t1  | S1 | m1 |  | d2                       | L2 | b2 | h2 | t2  |
| CNV - 606□DA - Ratio | 14                        | 25 | 5  | 5  | 3   | M5 | 16 |  | 12                       | 25 | 4  | 4  | 2.5 |
| CNV - 607□DA - Ratio | 18                        | 30 | 6  | 6  | 3.5 | M6 | 16 |  | 12                       | 25 | 4  | 4  | 2.5 |
| CNV - 609□DA - Ratio | 28                        | 35 | 8  | 7  | 4   | M8 | 20 |  | 12                       | 25 | 4  | 4  | 2.5 |
| CNV - 610□DA - Ratio | 28                        | 35 | 8  | 7  | 4   | M8 | 20 |  | 12                       | 25 | 4  | 4  | 2.5 |
| CNV - 612□DA - Ratio | 38                        | 55 | 10 | 8  | 5   | M8 | 20 |  | 12                       | 25 | 4  | 4  | 2.5 |
| CNV - 612□DB - Ratio | 38                        | 55 | 10 | 8  | 5   | M8 | 20 |  | 15                       | 25 | 5  | 5  | 3   |

Note: 4. Pilot diameter ( $\phi D3$ ): Dimension tolerance conforms to JIS B 0401-1976 "f8."

5. Dimensions in above drawings are subject to change without notice.

## Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

## CVV - 613□DA to 618□DA



| Frame Size | L   | D1  | D2  | D3     | M   | E  | P | N | d  | H   | W(kg) |
|------------|-----|-----|-----|--------|-----|----|---|---|----|-----|-------|
| Note 1     |     |     |     | Note 4 |     |    |   |   |    |     |       |
| 613□DA     | 347 | 260 | 230 | 200    | 76  | 15 | 4 | 6 | 11 | 150 | 40    |
| 613□DB     | 363 | 260 | 230 | 200    | 76  | 15 | 4 | 6 | 11 | 150 | 43    |
| 613□DC     | 369 | 260 | 230 | 200    | 76  | 15 | 4 | 6 | 11 | -   | 44    |
| 614□DA     | 367 | 260 | 230 | 200    | 96  | 15 | 4 | 6 | 11 | 150 | 40    |
| 614□DB     | 383 | 260 | 230 | 200    | 96  | 15 | 4 | 6 | 11 | 150 | 43    |
| 614□DC     | 389 | 260 | 230 | 200    | 96  | 15 | 4 | 6 | 11 | -   | 44    |
| 616□DA     | 433 | 340 | 310 | 270    | 89  | 20 | 4 | 6 | 11 | -   | 80    |
| 616□DB     | 439 | 340 | 310 | 270    | 89  | 20 | 4 | 6 | 11 | -   | 82    |
| 617□DA     | 478 | 400 | 360 | 316    | 94  | 22 | 5 | 8 | 14 | -   | 115   |
| 617□DB     | 484 | 400 | 360 | 316    | 94  | 22 | 5 | 8 | 14 | -   | 117   |
| 618□DA     | 526 | 430 | 390 | 345    | 110 | 22 | 5 | 8 | 18 | -   | 149   |

| Model                | Note 1 | Output Shaft |     |    |    |     |     |    | Input Shaft |    |    |    |     |
|----------------------|--------|--------------|-----|----|----|-----|-----|----|-------------|----|----|----|-----|
|                      |        | d1           | L1  | b1 | h1 | t1  | S1  | m1 | d2          | L2 | b2 | h2 | t2  |
| CVV - 613□DA - Ratio |        | 50           | 61  | 14 | 9  | 5.5 | M10 | 18 | 12          | 25 | 4  | 4  | 2.5 |
| CVV - 613□DB - Ratio |        | 50           | 61  | 14 | 9  | 5.5 | M10 | 18 | 15          | 25 | 5  | 5  | 3   |
| CVV - 613□DC - Ratio |        | 50           | 61  | 14 | 9  | 5.5 | M10 | 18 | 15          | 25 | 5  | 5  | 3   |
| CVV - 614□DA - Ratio |        | 50           | 81  | 14 | 9  | 5.5 | M10 | 18 | 12          | 25 | 4  | 4  | 2.5 |
| CVV - 614□DB - Ratio |        | 50           | 81  | 14 | 9  | 5.5 | M10 | 18 | 15          | 25 | 5  | 5  | 3   |
| CVV - 614□DC - Ratio |        | 50           | 81  | 14 | 9  | 5.5 | M10 | 18 | 15          | 25 | 5  | 5  | 3   |
| CVV - 616□DA - Ratio |        | 60           | 80  | 18 | 11 | 7   | M10 | 18 | 15          | 25 | 5  | 5  | 3   |
| CVV - 616□DB - Ratio |        | 60           | 80  | 18 | 11 | 7   | M10 | 18 | 15          | 25 | 5  | 5  | 3   |
| CVV - 617□DA - Ratio |        | 70           | 84  | 20 | 12 | 7.5 | M12 | 24 | 15          | 25 | 5  | 5  | 3   |
| CVV - 617□DB - Ratio |        | 70           | 84  | 20 | 12 | 7.5 | M12 | 24 | 15          | 25 | 5  | 5  | 3   |
| CVV - 618□DA - Ratio |        | 80           | 100 | 22 | 14 | 9   | M12 | 24 | 15          | 25 | 5  | 5  | 3   |

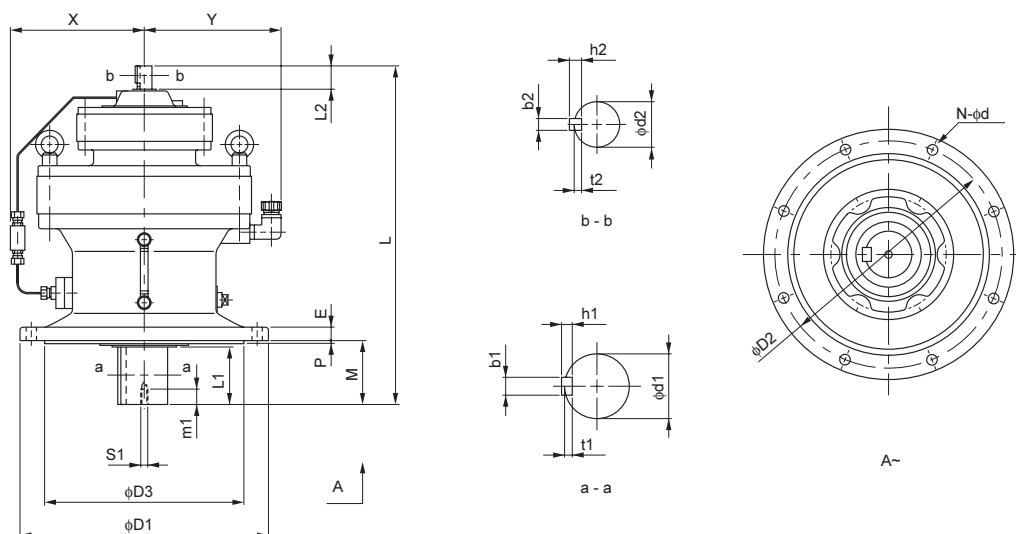
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

# Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

## CVV - 616□DC to 6275DA



| Frame Size<br>Note 1 | L    | D1   | D2   | D3<br>Note 4 | M   | E  | P  | N  | d  | X   | Y   | W(kg) |
|----------------------|------|------|------|--------------|-----|----|----|----|----|-----|-----|-------|
| 616□DC               | 462  | 340  | 310  | 270          | 89  | 20 | 4  | 6  | 11 | 196 | 200 | 90    |
| 617□DC               | 509  | 400  | 360  | 316          | 94  | 22 | 5  | 8  | 14 | 218 | 225 | 125   |
| 618□DB               | 577  | 430  | 390  | 345          | 110 | 22 | 5  | 8  | 18 | 233 | 240 | 171   |
| 619□DA               | 629  | 490  | 450  | 400          | 145 | 30 | 6  | 12 | 18 | 255 | 270 | 229   |
| 619□DB               | 653  | 490  | 450  | 400          | 145 | 30 | 6  | 12 | 18 | 255 | 270 | 240   |
| 6205DA               | 670  | 455  | 405  | 355          | 204 | 30 | 5  | 8  | 22 | 341 | 287 | 246   |
| 6205DB               | 705  | 455  | 405  | 355          | 204 | 30 | 5  | 8  | 22 | 341 | 287 | 258   |
| 6215DA               | 731  | 490  | 440  | 390          | 203 | 35 | 7  | 8  | 24 | 348 | 306 | 333   |
| 6215DB               | 780  | 490  | 440  | 390          | 203 | 35 | 7  | 8  | 24 | 348 | 306 | 355   |
| 6225DA               | 773  | 535  | 475  | 415          | 210 | 35 | 10 | 8  | 27 | 352 | 326 | 408   |
| 6225DB               | 860  | 535  | 475  | 415          | 210 | 35 | 10 | 8  | 27 | 352 | 326 | 455   |
| 6235DA               | 883  | 570  | 510  | 450          | 250 | 40 | 10 | 8  | 27 | 359 | 344 | 510   |
| 6235DB               | 938  | 570  | 510  | 450          | 250 | 40 | 10 | 8  | 27 | 359 | 344 | 544   |
| 6245DA               | 921  | 635  | 560  | 485          | 250 | 40 | 10 | 8  | 33 | 370 | 371 | 604   |
| 6245DB               | 975  | 635  | 560  | 485          | 250 | 40 | 10 | 8  | 33 | 370 | 371 | 633   |
| 6255DA               | 1081 | 685  | 610  | 535          | 295 | 45 | 10 | 8  | 33 | 395 | 399 | 925   |
| 6255DB               | 1133 | 685  | 610  | 535          | 295 | 45 | 10 | 8  | 33 | 395 | 399 | 993   |
| 6265DA               | 1243 | 750  | 660  | 570          | 360 | 50 | 10 | 8  | 39 | 427 | 431 | 1265  |
| 6275DA               | 1504 | 1160 | 1020 | 900          | 355 | 60 | 10 | 8  | 39 | 610 | 613 | 2660  |

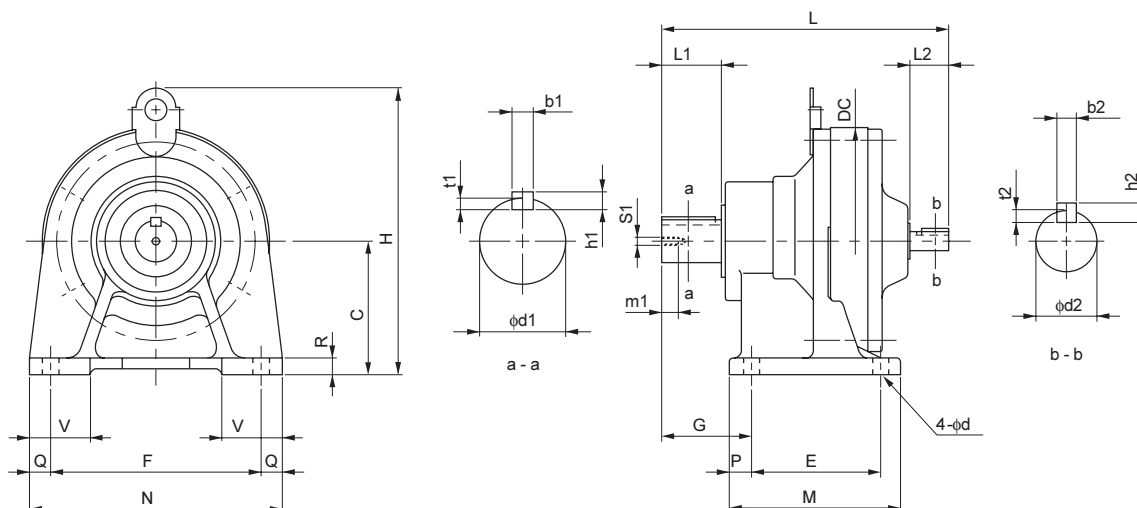
| Model<br>Note 1      | Output Shaft<br>Note 2, 3 |     |    |    |     |     |    |  | Input Shaft<br>Note 2, 3 |    |    |    |     |
|----------------------|---------------------------|-----|----|----|-----|-----|----|--|--------------------------|----|----|----|-----|
|                      | d1                        | L1  | b1 | h1 | t1  | S1  | m1 |  | d2                       | L2 | b2 | h2 | t2  |
| CVV - 616□DC - Ratio | 60                        | 80  | 18 | 11 | 7   | M10 | 18 |  | 18                       | 35 | 6  | 6  | 3.5 |
| CVV - 617□DC - Ratio | 70                        | 84  | 20 | 12 | 7.5 | M12 | 24 |  | 18                       | 35 | 6  | 6  | 3.5 |
| CVV - 618□DB - Ratio | 80                        | 100 | 22 | 14 | 9   | M12 | 24 |  | 22                       | 40 | 6  | 6  | 3.5 |
| CVV - 619□DA - Ratio | 95                        | 125 | 25 | 14 | 9   | M20 | 34 |  | 18                       | 35 | 6  | 6  | 3.5 |
| CVV - 619□DB - Ratio | 95                        | 125 | 25 | 14 | 9   | M20 | 34 |  | 22                       | 40 | 6  | 6  | 3.5 |
| CVV - 6205DA - Ratio | 100                       | 165 | 28 | 16 | 10  | M20 | 34 |  | 18                       | 35 | 6  | 6  | 3.5 |
| CVV - 6205DB - Ratio | 100                       | 165 | 28 | 16 | 10  | M20 | 34 |  | 22                       | 40 | 6  | 6  | 3.5 |
| CVV - 6215DA - Ratio | 110                       | 165 | 28 | 16 | 10  | M20 | 34 |  | 22                       | 40 | 6  | 6  | 3.5 |
| CVV - 6215DB - Ratio | 110                       | 165 | 28 | 16 | 10  | M20 | 34 |  | 30                       | 45 | 8  | 7  | 4   |
| CVV - 6225DA - Ratio | 120                       | 165 | 32 | 18 | 11  | M20 | 34 |  | 22                       | 40 | 6  | 6  | 3.5 |
| CVV - 6225DB - Ratio | 120                       | 165 | 32 | 18 | 11  | M20 | 34 |  | 35                       | 55 | 10 | 8  | 5   |
| CVV - 6235DA - Ratio | 130                       | 200 | 32 | 18 | 11  | M24 | 41 |  | 30                       | 45 | 8  | 7  | 4   |
| CVV - 6235DB - Ratio | 130                       | 200 | 32 | 18 | 11  | M24 | 41 |  | 40                       | 65 | 12 | 8  | 5   |
| CVV - 6245DA - Ratio | 140                       | 200 | 36 | 20 | 12  | M24 | 41 |  | 30                       | 45 | 8  | 7  | 4   |
| CVV - 6245DB - Ratio | 140                       | 200 | 36 | 20 | 12  | M24 | 41 |  | 40                       | 65 | 12 | 8  | 5   |
| CVV - 6255DA - Ratio | 160                       | 240 | 40 | 22 | 13  | M30 | 49 |  | 35                       | 55 | 10 | 8  | 5   |
| CVV - 6255DB - Ratio | 160                       | 240 | 40 | 22 | 13  | M30 | 49 |  | 45                       | 70 | 14 | 9  | 5.5 |
| CVV - 6265DA - Ratio | 170                       | 300 | 40 | 22 | 13  | M30 | 49 |  | 45                       | 70 | 14 | 9  | 5.5 |
| CVV - 6275DA - Ratio | 180                       | 320 | 45 | 25 | 15  | M30 | 52 |  | 45                       | 70 | 14 | 9  | 5.5 |

Note: 4. Pilot diameter (φD3): Dimension tolerance conforms to JIS B 0401-1976 "f8."

5. Dimensions in above drawings are subject to change without notice.

## Dimension Tables Speed Reducer (Foot Mount, Center Height Option)

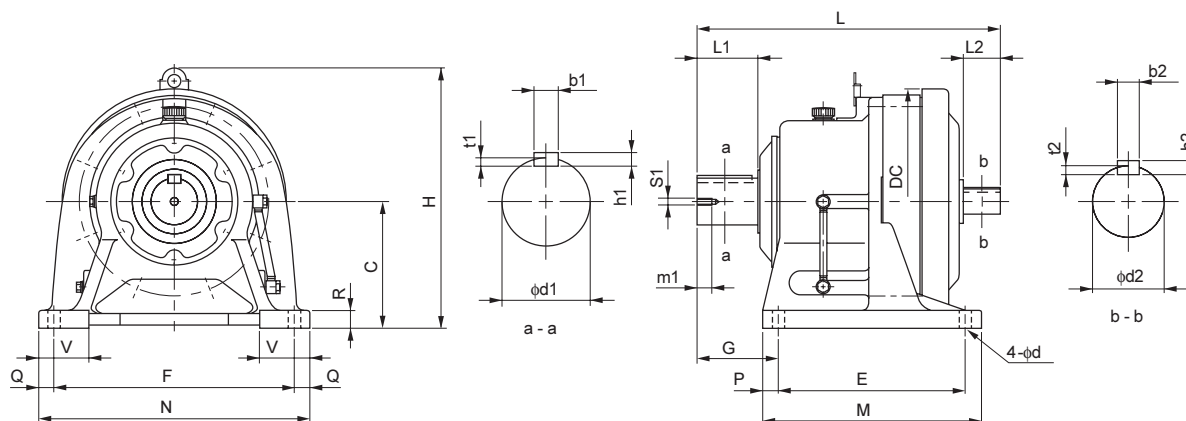
## CNH - 610H, 612H



| Frame Size | L   | C   | DC  | E   | F   | G  | H   | M   | N   | P  | Q  | R  | V  | d  | W(kg) |
|------------|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|-------|
| 610H       | 208 | 120 | 150 | 90  | 150 | 60 | 227 | 135 | 180 | 15 | 15 | 12 | 45 | 11 | 14    |
| 612H       | 259 | 140 | 204 | 115 | 190 | 82 | 277 | 155 | 230 | 20 | 20 | 15 | 60 | 14 | 25    |

| Model              | Output Shaft |    |    |    |    |    |    |  | Input Shaft |    |    |    |     |  |
|--------------------|--------------|----|----|----|----|----|----|--|-------------|----|----|----|-----|--|
|                    | d1           | L1 | b1 | h1 | t1 | S1 | m1 |  | d2          | L2 | b2 | h2 | t2  |  |
| CHH - 610H - Ratio | 28           | 35 | 8  | 7  | 4  | M8 | 20 |  | 15          | 25 | 5  | 5  | 3   |  |
| CHH - 612H - Ratio | 38           | 55 | 10 | 8  | 5  | M8 | 20 |  | 18          | 35 | 6  | 6  | 3.5 |  |

## CNH - 614H, 616H



| Frame size | L   | C   | DC  | E   | F   | G   | H   | M   | N   | P  | Q  | R  | V  | d  | W(kg) |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-------|
| 614H       | 341 | 160 | 230 | 145 | 290 | 120 | 310 | 195 | 330 | 25 | 20 | 22 | 70 | 18 | 46    |
| 616H       | 413 | 200 | 318 | 150 | 370 | 139 | 407 | 238 | 410 | 44 | 20 | 25 | 80 | 18 | 89    |

| Model              | Output Shaft |    |    |    |     |     |    |  | Input Shaft |    |    |    |     |  |
|--------------------|--------------|----|----|----|-----|-----|----|--|-------------|----|----|----|-----|--|
|                    | d1           | L1 | b1 | h1 | t1  | S1  | m1 |  | d2          | L2 | b2 | h2 | t2  |  |
| CHH - 614H - Ratio | 50           | 90 | 14 | 9  | 5.5 | M10 | 18 |  | 22          | 40 | 6  | 6  | 3.5 |  |
| CHH - 616H - Ratio | 60           | 90 | 18 | 11 | 7   | M10 | 18 |  | 30          | 45 | 8  | 7  | 4   |  |

Note: 1. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

2. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

3. Refer to pages F-28~30 for details on input and output shaft end dimensions.

4. Dimensions in above drawings are subject to change without notice.