

# GEAR BOX [JK-CT]

## NORMAL POWER RATINGS

### 허용 전달 용량표

(Unit : kW)

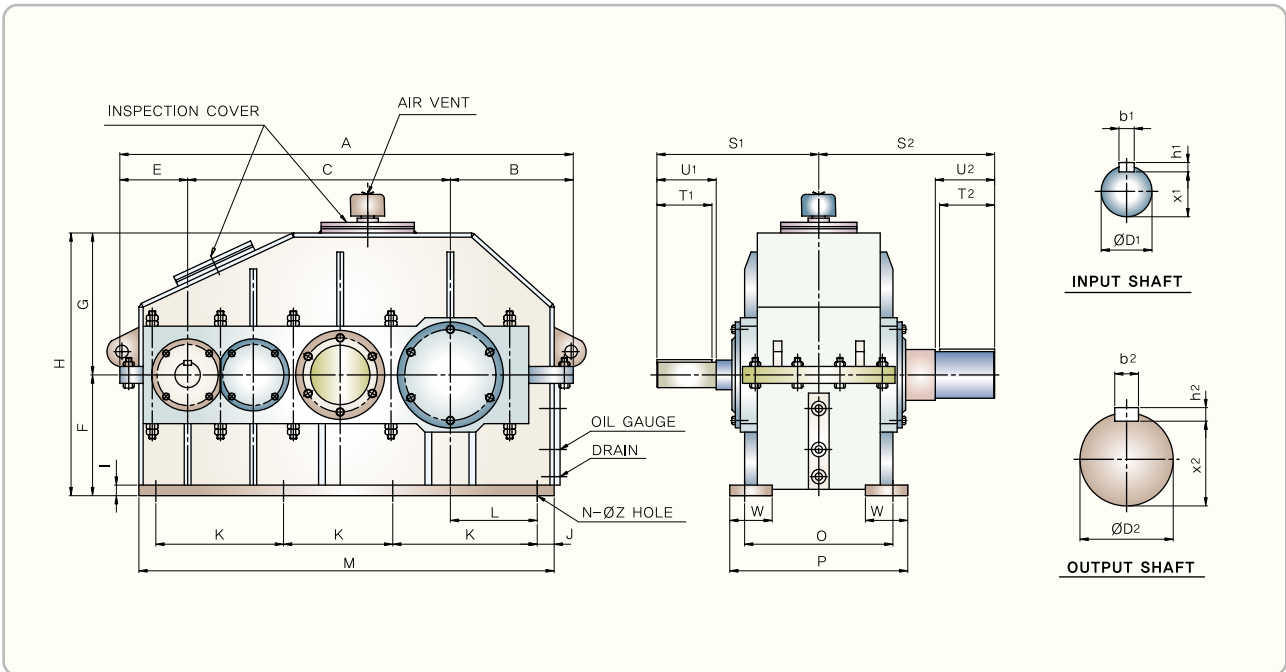
| Ratio | n1                              | n2   | Gear Reducer Frame No. |      |      |      |     |     |     |     |      |      |      |      |      |      |
|-------|---------------------------------|------|------------------------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
|       |                                 |      | Transmitting Power     |      |      |      |     |     |     |     |      |      |      |      |      |      |
|       | [ min <sup>-1</sup> ]<br>r.p.m. | 400  | 440                    | 497  | 555  | 620  | 700 | 785 | 880 | 990 | 1105 | 1240 | 1395 | 1565 | 1760 |      |
| 22.4  | 1800                            | 80.3 | 53                     | 62   | 90   | 135  | 185 | 275 | 370 | 486 | 720  | 1080 | 1450 | 1900 | 2800 | 3760 |
|       | 1200                            | 53.5 | 35                     | 47   | 63   | 92   | 130 | 180 | 270 | 360 | 475  | 760  | 1040 | 1370 | 2040 | 2850 |
|       | 900                             | 40.1 | 27                     | 37   | 50   | 71   | 97  | 142 | 200 | 270 | 385  | 580  | 770  | 1010 | 1440 | 2020 |
|       | 720                             | 32.1 | 22                     | 30   | 41   | 60   | 78  | 112 | 175 | 225 | 325  | 490  | 650  | 850  | 1220 | 1760 |
| 25    | 1800                            | 72   | 47                     | 55   | 80   | 115  | 160 | 245 | 333 | 435 | 640  | 950  | 1290 | 1730 | 2490 | 3500 |
|       | 1200                            | 48   | 30                     | 39   | 56   | 80   | 110 | 160 | 255 | 320 | 420  | 680  | 940  | 1220 | 1790 | 3600 |
|       | 900                             | 36   | 23                     | 31   | 44   | 62   | 82  | 123 | 190 | 240 | 340  | 530  | 730  | 940  | 1340 | 1950 |
|       | 720                             | 28.8 | 19.5                   | 24.5 | 35   | 51   | 68  | 100 | 160 | 195 | 285  | 440  | 580  | 780  | 1080 | 1580 |
| 28    | 1800                            | 64   | 43                     | 50   | 72   | 110  | 145 | 225 | 297 | 387 | 565  | 820  | 1120 | 1510 | 2180 | 3150 |
|       | 1200                            | 42   | 28                     | 36   | 50   | 73   | 100 | 145 | 218 | 270 | 385  | 570  | 825  | 1060 | 1620 | 2380 |
|       | 900                             | 32   | 21                     | 28   | 39   | 57   | 75  | 112 | 170 | 210 | 300  | 445  | 630  | 800  | 1170 | 1710 |
|       | 720                             | 25   | 18                     | 22   | 31   | 47   | 61  | 92  | 130 | 170 | 240  | 370  | 510  | 660  | 970  | 1400 |
| 31.5  | 1800                            | 57   | 38                     | 43   | 63   | 95   | 130 | 200 | 265 | 360 | 510  | 755  | 1030 | 1380 | 1970 | 2890 |
|       | 1200                            | 38   | 25                     | 31   | 44   | 63   | 88  | 135 | 190 | 260 | 340  | 530  | 750  | 1020 | 1390 | 2000 |
|       | 900                             | 28   | 19                     | 24   | 34   | 49   | 66  | 101 | 150 | 205 | 260  | 400  | 570  | 770  | 1070 | 1550 |
|       | 720                             | 22   | 16                     | 20   | 28   | 41   | 52  | 80  | 120 | 165 | 215  | 330  | 460  | 600  | 860  | 1260 |
| 35.5  | 1800                            | 50   | 34                     | 41   | 56   | 88   | 120 | 180 | 250 | 325 | 465  | 700  | 950  | 1250 | 1880 | 2700 |
|       | 1200                            | 33   | 22.5                   | 28   | 39   | 59   | 82  | 120 | 170 | 225 | 315  | 490  | 690  | 920  | 1290 | 1830 |
|       | 900                             | 25   | 17                     | 22   | 30   | 46   | 61  | 90  | 140 | 180 | 245  | 365  | 510  | 670  | 970  | 1380 |
|       | 720                             | 20   | 14                     | 18   | 25   | 37   | 49  | 72  | 115 | 145 | 200  | 300  | 410  | 540  | 790  | 1110 |
| 40    | 1800                            | 45   | 30                     | 38   | 51   | 79   | 110 | 160 | 215 | 290 | 420  | 630  | 850  | 1120 | 1680 | 2380 |
|       | 1200                            | 30   | 20                     | 26   | 36   | 53   | 73  | 105 | 150 | 200 | 280  | 440  | 610  | 820  | 1130 | 1620 |
|       | 900                             | 22   | 15.5                   | 20   | 27   | 41   | 54  | 82  | 125 | 160 | 220  | 325  | 460  | 600  | 870  | 1240 |
|       | 720                             | 18   | 12.5                   | 17.5 | 22   | 34   | 44  | 65  | 100 | 130 | 180  | 270  | 370  | 485  | 720  | 1000 |
| 45    | 1800                            | 40   | 26                     | 32   | 45   | 70   | 98  | 145 | 200 | 255 | 355  | 530  | 760  | 990  | 1510 | 2120 |
|       | 1200                            | 26   | 17.5                   | 23   | 31   | 47   | 65  | 92  | 140 | 180 | 250  | 370  | 560  | 730  | 1080 | 1580 |
|       | 900                             | 20   | 13                     | 18.5 | 24   | 37   | 48  | 72  | 112 | 142 | 195  | 285  | 410  | 530  | 800  | 1110 |
|       | 720                             | 16   | 11                     | 14.5 | 20   | 30   | 40  | 60  | 92  | 115 | 160  | 240  | 335  | 440  | 640  | 900  |
| 50    | 1800                            | 36   | 23                     | 28   | 41   | 63   | 87  | 130 | 180 | 225 | 330  | 500  | 640  | 870  | 1340 | 1940 |
|       | 1200                            | 24   | 16                     | 20   | 29   | 43   | 60  | 83  | 125 | 160 | 220  | 330  | 460  | 620  | 920  | 1320 |
|       | 900                             | 18   | 12                     | 16   | 22   | 34   | 45  | 65  | 100 | 125 | 170  | 255  | 345  | 470  | 700  | 1010 |
|       | 720                             | 14.4 | 10                     | 12.5 | 18   | 27   | 35  | 52  | 80  | 103 | 140  | 210  | 290  | 385  | 570  | 820  |
| 56    | 1800                            | 32   | 20                     | 24   | 36   | 56   | 78  | 115 | 158 | 200 | 285  | 450  | 600  | 790  | 1210 | 1680 |
|       | 1200                            | 21   | 14                     | 18   | 25   | 38   | 53  | 75  | 110 | 140 | 190  | 310  | 440  | 570  | 800  | 1160 |
|       | 900                             | 16   | 10.5                   | 14   | 19   | 30   | 39  | 58  | 90  | 112 | 150  | 235  | 330  | 430  | 630  | 900  |
|       | 720                             | 12.8 | 8.5                    | 11.5 | 16   | 24   | 32  | 47  | 73  | 92  | 120  | 190  | 265  | 355  | 510  | 710  |
| 63    | 1800                            | 28   | 19                     | 21   | 31   | 45   | 63  | 105 | 135 | 190 | 260  | 395  | 540  | 700  | 1080 | 1510 |
|       | 1200                            | 19   | 12                     | 15   | 23   | 32   | 43  | 70  | 95  | 125 | 175  | 280  | 405  | 520  | 750  | 1100 |
|       | 900                             | 14.2 | 8.2                    | 12   | 17   | 24   | 32  | 52  | 80  | 100 | 135  | 210  | 300  | 380  | 560  | 770  |
|       | 720                             | 11.4 | 7.2                    | 9.5  | 14   | 20   | 26  | 42  | 62  | 85  | 110  | 170  | 245  | 315  | 450  | 640  |
| 71    | 1800                            | 25   | 16                     | 18.5 | 27   | 40   | 57  | 91  | 122 | 162 | 225  | 360  | 480  | 640  | 950  | 1340 |
|       | 1200                            | 16.9 | 10                     | 13.5 | 20   | 28   | 39  | 61  | 88  | 114 | 150  | 250  | 360  | 470  | 660  | 970  |
|       | 900                             | 12.6 | 7.5                    | 10.5 | 16   | 21   | 29  | 45  | 70  | 90  | 115  | 185  | 260  | 350  | 490  | 700  |
|       | 720                             | 10.1 | 6.2                    | 8.5  | 12.5 | 18   | 23  | 36  | 56  | 75  | 95   | 150  | 210  | 280  | 400  | 560  |
| 80    | 1800                            | 22   | 14                     | 17   | 25   | 36   | 52  | 82  | 110 | 155 | 205  | 315  | 420  | 560  | 830  | 1210 |
|       | 1200                            | 15   | 9.5                    | 12   | 18   | 26   | 35  | 52  | 78  | 100 | 140  | 220  | 320  | 420  | 600  | 870  |
|       | 900                             | 11.2 | 7                      | 9.5  | 14   | 19   | 26  | 41  | 62  | 80  | 105  | 165  | 230  | 310  | 430  | 630  |
|       | 720                             | 9    | 5.8                    | 7.8  | 11   | 16   | 21  | 33  | 50  | 66  | 85   | 135  | 190  | 250  | 360  | 500  |
| 90    | 1800                            | 20   | 12                     | 15   | 23   | 33   | 47  | 75  | 100 | 130 | 185  | 285  | 400  | 520  | 760  | 1080 |
|       | 1200                            | 13.5 | 8.5                    | 11   | 16   | 24   | 31  | 47  | 70  | 92  | 125  | 190  | 280  | 365  | 515  | 730  |
|       | 900                             | 10   | 6                      | 8.8  | 12.5 | 17   | 23  | 37  | 55  | 72  | 95   | 150  | 210  | 280  | 390  | 550  |
|       | 720                             | 8    | 5.3                    | 7    | 10.5 | 14.5 | 19  | 30  | 45  | 58  | 75   | 120  | 170  | 225  | 310  | 450  |

### Thermal Capacities

(Unit : kW)

| Ratio | n1<br>[ min <sup>-1</sup> ] <sup>1</sup> | Gear Reducer Frame No. |    |    |    |    |     |     |     |     |     |     |     |     |     |     |
|-------|--|------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       |  | Thermal Power          |    |    |    |    |     |     |     |     |     |     |     |     |     |     |
|       | Without cooling                          | 720~1800               | 47 | 58 | 75 | 94 | 120 | 150 | 190 | 250 | 320 | 400 | 500 | 620 | 760 | 960 |
|       |  |                        |    |    |    |    |     |     |     |     |     |     |     |     |     |     |

PARALLEL SHAFT TYPE



Dimensions

(mm)

| Frame No. | A    | B   | C    | E   | F   | G   | H    | I  | J   | K   | L   | M    | O    | P    | N | Z  | W   |
|-----------|------|-----|------|-----|-----|-----|------|----|-----|-----|-----|------|------|------|---|----|-----|
| CT 400    | 720  | 210 | 400  | 110 | 200 | 180 | 380  | 20 | 45  | 190 | 135 | 660  | 260  | 300  | 8 | 18 | 70  |
| CT 440    | 810  | 240 | 440  | 130 | 225 | 200 | 425  | 26 | 55  | 210 | 150 | 740  | 290  | 350  | 8 | 23 | 80  |
| CT 497    | 905  | 268 | 497  | 140 | 250 | 225 | 475  | 26 | 55  | 235 | 168 | 815  | 310  | 370  | 8 | 23 | 80  |
| CT 555    | 995  | 290 | 555  | 150 | 280 | 250 | 530  | 27 | 60  | 265 | 190 | 915  | 360  | 420  | 8 | 27 | 95  |
| CT 620    | 1080 | 300 | 620  | 160 | 300 | 280 | 580  | 27 | 65  | 290 | 195 | 1000 | 390  | 450  | 8 | 27 | 100 |
| CT 700    | 1200 | 325 | 700  | 175 | 320 | 300 | 620  | 30 | 75  | 320 | 205 | 1110 | 430  | 500  | 8 | 33 | 110 |
| CT 785    | 1320 | 355 | 785  | 180 | 350 | 320 | 670  | 30 | 75  | 360 | 235 | 1230 | 470  | 540  | 8 | 33 | 110 |
| CT 880    | 1460 | 395 | 880  | 185 | 390 | 360 | 750  | 35 | 85  | 400 | 265 | 1370 | 520  | 600  | 8 | 39 | 130 |
| CT 990    | 1660 | 445 | 990  | 225 | 430 | 400 | 830  | 35 | 85  | 460 | 305 | 1550 | 580  | 660  | 8 | 39 | 150 |
| CT 1105   | 1805 | 490 | 1105 | 210 | 470 | 430 | 900  | 35 | 85  | 505 | 345 | 1685 | 630  | 740  | 8 | 45 | 170 |
| CT 1240   | 1985 | 540 | 1240 | 205 | 520 | 490 | 1010 | 35 | 85  | 565 | 395 | 1865 | 700  | 810  | 8 | 45 | 170 |
| CT 1395   | 2225 | 605 | 1395 | 225 | 570 | 550 | 1120 | 40 | 95  | 635 | 445 | 2095 | 780  | 910  | 8 | 52 | 190 |
| CT 1565   | 2460 | 665 | 1565 | 230 | 650 | 620 | 1270 | 40 | 85  | 720 | 515 | 2330 | 870  | 1000 | 8 | 52 | 190 |
| CT 1760   | 2925 | 830 | 1760 | 335 | 800 | 760 | 1560 | 40 | 100 | 855 | 650 | 2765 | 1000 | 1130 | 8 | 52 | 190 |

| Frame No. | S <sub>1</sub> | U <sub>1</sub> | T <sub>1</sub> | D <sub>1</sub> | b <sub>1</sub> | h <sub>1</sub> | x <sub>1</sub> | S <sub>2</sub> | U <sub>2</sub> | T <sub>2</sub> | D <sub>2</sub> | b <sub>2</sub> | h <sub>2</sub> | x <sub>2</sub> | Weight (kg) | Oil (liter) |
|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------|-------------|
| CT 400    | 245            | 50             | 45             | 28m6           | 8              | 7              | 24             | 345            | 140            | 135            | 85m6           | 25             | 14             | 76             | 220         | 14          |
| CT 440    | 275            | 60             | 55             | 32m6           | 10             | 8              | 27             | 385            | 160            | 155            | 95m6           | 28             | 16             | 85             | 290         | 20          |
| CT 497    | 280            | 60             | 55             | 38m6           | 12             | 8              | 33             | 410            | 180            | 175            | 100m6          | 28             | 16             | 90             | 390         | 26          |
| CT 555    | 310            | 70             | 65             | 42m6           | 12             | 8              | 37             | 430            | 180            | 175            | 110n6          | 32             | 18             | 99             | 540         | 36          |
| CT 620    | 340            | 80             | 75             | 48m6           | 14             | 9              | 42.5           | 480            | 210            | 205            | 130n6          | 36             | 20             | 118            | 640         | 54          |
| CT 700    | 370            | 90             | 85             | 55m6           | 16             | 10             | 49             | 530            | 240            | 235            | 140n6          | 36             | 20             | 128            | 890         | 75          |
| CT 785    | 415            | 105            | 100            | 60m6           | 18             | 11             | 53             | 590            | 270            | 265            | 170n6          | 45             | 25             | 155            | 1190        | 115         |
| CT 880    | 440            | 105            | 100            | 65m6           | 20             | 12             | 57.5           | 655            | 310            | 305            | 180n6          | 45             | 25             | 165            | 1660        | 160         |
| CT 990    | 500            | 120            | 115            | 70m6           | 20             | 12             | 62.5           | 740            | 350            | 345            | 210n6          | 50             | 28             | 193            | 2250        | 210         |
| CT 1105   | 550            | 140            | 135            | 80m6           | 22             | 14             | 71             | 820            | 400            | 395            | 240n6          | 56             | 32             | 220            | 3210        | 285         |
| CT 1240   | 615            | 160            | 155            | 95m6           | 28             | 16             | 85             | 915            | 450            | 445            | 270n6          | 63             | 32             | 250            | 4340        | 450         |
| CT 1395   | 680            | 180            | 175            | 110n6          | 32             | 18             | 99             | 1010           | 500            | 495            | 300n6          | 70             | 36             | 278            | 6120        | 520         |
| CT 1565   | 770            | 210            | 205            | 120n6          | 32             | 18             | 109            | 1120           | 550            | 545            | 340n6          | 80             | 40             | 315            | 7900        | 750         |
| CT 1760   | 980            | 240            | 235            | 140n6          | 36             | 20             | 128            | 1280           | 620            | 615            | 390n6          | 80             | 45             | 362            | 10900       | 980         |