

QUALITY DERIVE  
**FROM GATEEJ**  
REPUTATION COME ALONG



## YFT SERIES



### **GATEEJ ENGINEERING Co.**

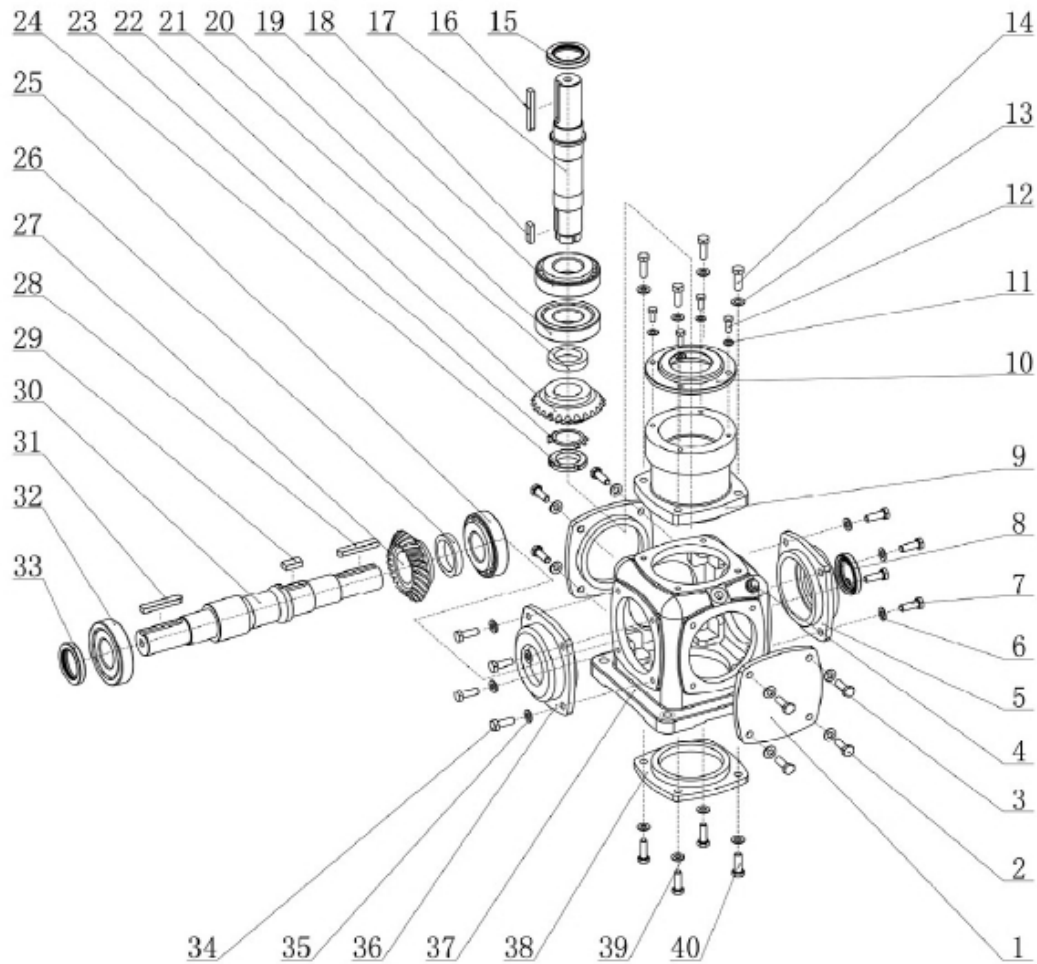
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|    |    |    |    |
|----|----|----|----|
| 1  | 11 | 21 | 31 |
| 2  | 12 | 22 | 32 |
| 3  | 13 | 23 | 33 |
| 4  | 14 | 24 | 34 |
| 5  | 15 | 25 | 35 |
| 6  | 16 | 26 | 36 |
| 7  | 17 | 27 | 37 |
| 8  | 18 | 28 | 38 |
| 9  | 19 | 29 | 39 |
| 10 | 20 | 30 | 40 |

## YFT Series Helical -bevel Gearbox

YFT Series Helical -bevel Gearbox, large in transmission force, geared to both to both forward and backward rotation, small in vibration and noise.



**YF T**

Spiral bevel Gear Units

**12**

Size

**2:1**

Ratio

**D-LR**

Shaft Design

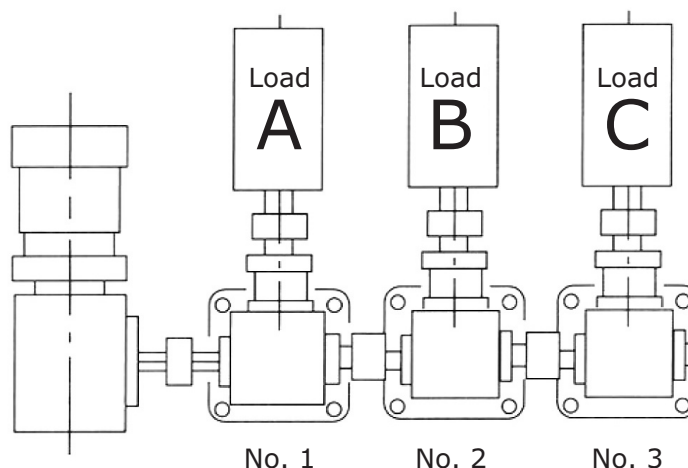
**B3**

Mounting

### Gear Unit Weight

| Size        | T2 | T4 | T6 | T7 | T8 | T10 | T12 | T16 | T20 | T25 |
|-------------|----|----|----|----|----|-----|-----|-----|-----|-----|
| Weight (kg) | 2  | 10 | 21 | 32 | 49 | 78  | 124 | 188 | 297 | 488 |

## YFT Series Selection Sample



## YFT Series Factor f

| Operating day (hour) | ≤2             | 2~10           | 10~24          |
|----------------------|----------------|----------------|----------------|
| Load Characteristics |                |                |                |
| Uniform              | 1.00<br>(1.00) | 1.00<br>(1.25) | 1.25<br>(1.50) |
| Moderate             | 1.00<br>(1.25) | 1.25<br>(1.50) | 1.50<br>(1.75) |
| Heavy                | 1.25<br>(1.50) | 1.50<br>(1.75) | 1.75<br>(2.00) |

Please use the data inside the bracket when number of starts and stops/hour is greater than ten times

Torque loaded on each gearbox is 196Nm, uniform shock, duration of operation is 8 hour per day, service factor  $f_1=1.25$ , input speed is 300 rpm, ratio is 1:1

Calculate according to formula:  $T_2 = \frac{P_1 \times 9550}{n_1} \times i \times y$

Required torque of each gearbox  $T_{N2} \geq T_2 \times f_1 = 196 \times 1.25 = 245\text{N.m}$

**No.1 Gearbox** No.1 gearbox carry torque 245Nm, but No.2 and No.3 gearbox need transfer torque through No.1, Consequently No.1 gearbox should carry torque 735Nm (245Nm+245Nm+245Nm). Select T12 according to transmission capacity table.

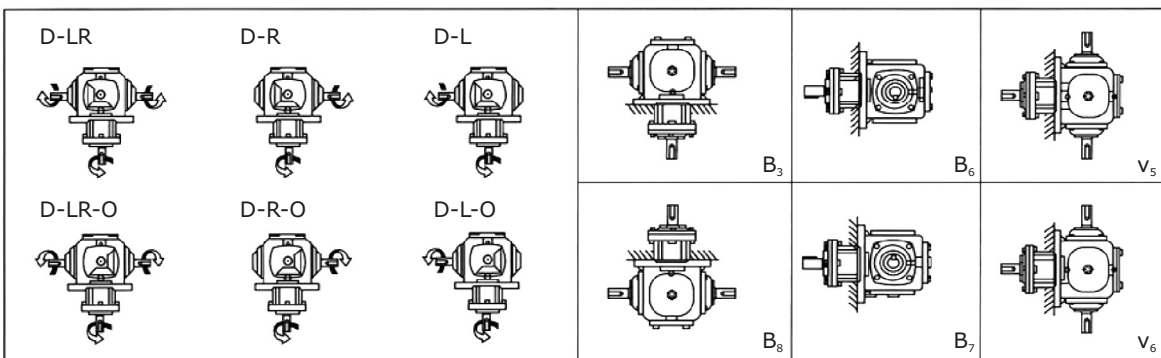
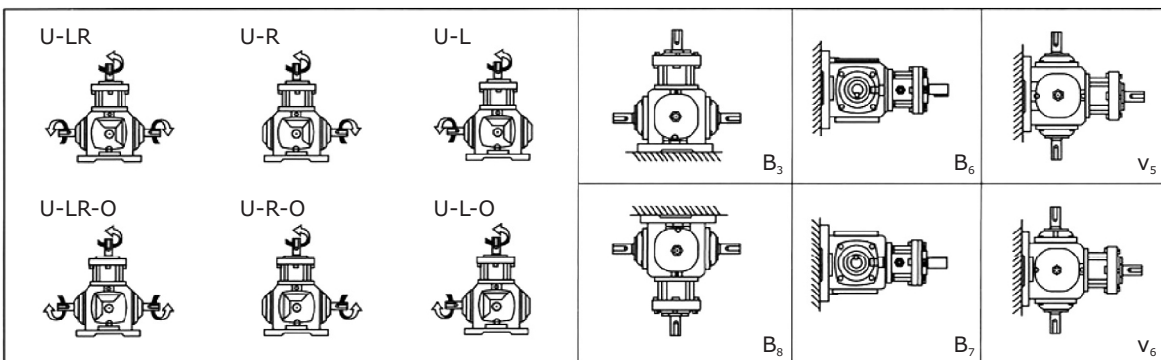
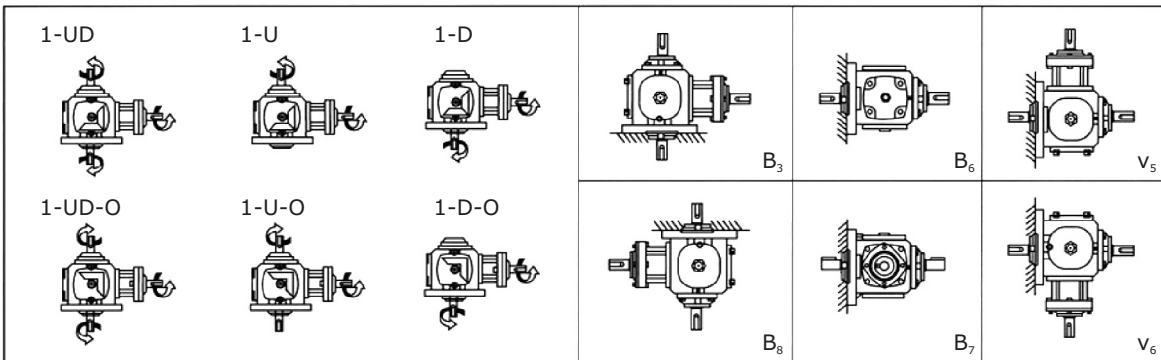
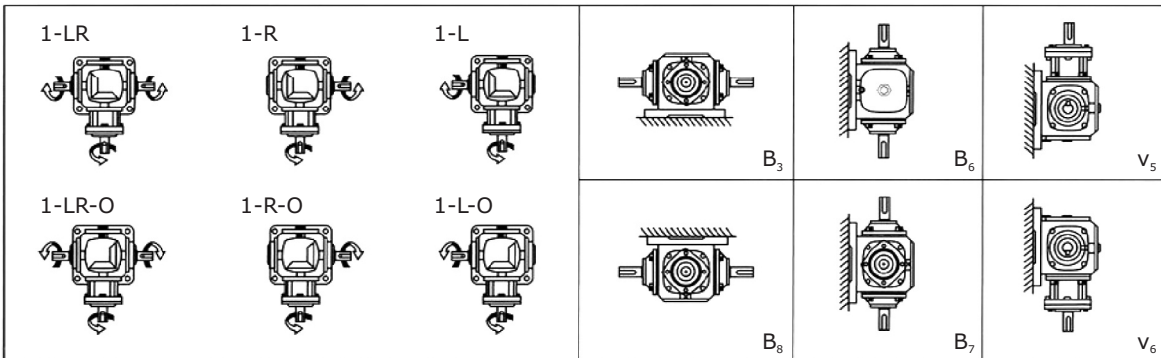
**No.2 Gearbox** No.3 gearbox still transfers torque of No.3 gearbox besides torque of 245Nm, so the total torque is 490 Nm (245Nm+245Nm). Select T10 according to transmission capacity table.

**No.3 Gearbox** Required torque is more than 245Nm, because of only load C according to transmission capacity table.

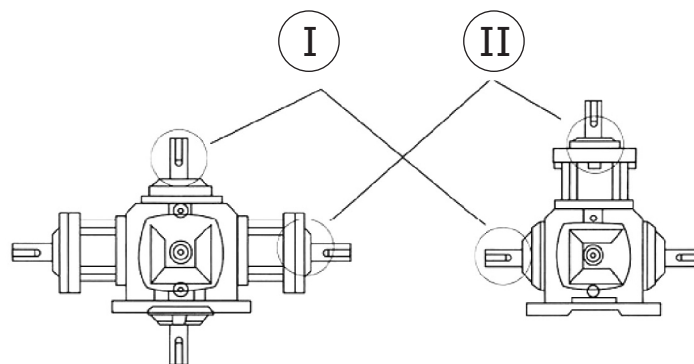
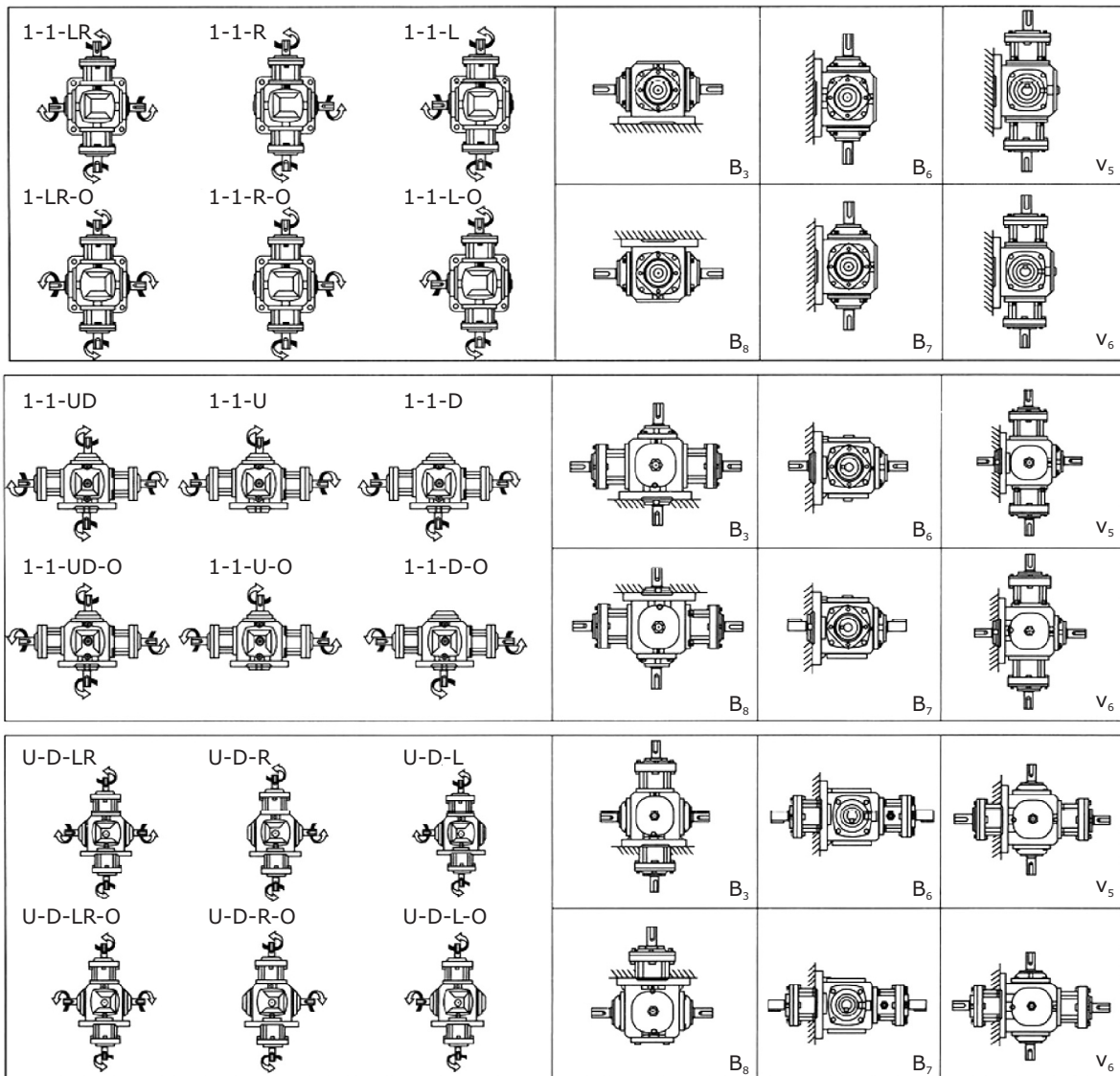
Notes: 1. If ratio is not 1:1, if input speed on single-extendable shaft, output speed will be reduced; if input speed on double-extendable shaft, output speed will be reduced. When mounting position and dimension are determined, the position of shafts can not be changed.

2. Several T boxes are linked, please verify the load capacity of these boxes.

The relationship between shaft arrangement and direction of shaft rotation Installation Pattern



The relationship between shaft arrangement and direction of shaft rotation Installation Pattern



Output speed will be reduced when the shaft ② input and the shaft ① output

Output speed will be increased when the shaft ① input and the shaft ② output

## T Performance Value Table

| i     | n1<br>r/min | T2            |             | T4            |             | T6            |             | T7            |             | T8            |             |
|-------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
|       |             | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) |
| 1.1   | 1450        | 11.6          | 1.79        | 31.9          | 4.94        | 96            | 14.9        | 142           | 22          | 294           | 45.6        |
|       | 1150        | 11.7          | 1.43        | 34.1          | 4.19        | 103           | 12.7        | 150           | 18.4        | 305           | 37.5        |
|       | 870         | 12.1          | 1.12        | 37.2          | 3.46        | 113           | 10.5        | 164           | 15.2        | 312           | 29          |
|       | 580         | 12.1          | 0.747       | 39.5          | 2.45        | 119           | 7.35        | 184           | 11.4        | 319           | 19.8        |
|       | 400         | 12.3          | 0.524       | 40.2          | 1.72        | 122           | 5.2         | 1955          | 8.34        | 326           | 14          |
|       | 300         | 12.3          | 0.396       | 40.5          | 1.3         | 123           | 3.93        | 198           | 6.35        | 331           | 10.6        |
|       | 200         | 12.4          | 0.226       | 41.2          | 0.88        | 124           | 2.66        | 201           | 4.3         | 338           | 7.23        |
|       | 100         | 12.7          | 0.136       | 41.9          | 0.48        | 127           | 1.36        | 206           | 2.2         | 346           | 3.7         |
| 1.5:1 | 10          | 13            | 0.014       | 43            | 0.046       | 132           | 0.141       | 214           | 0.228       | 361           | 0.386       |
|       | 1450        |               |             |               |             | 117           | 12.1        | 145           | 15          | 185           | 19.1        |
|       | 1150        |               |             |               |             | 122           | 9.96        | 147           | 12          | 188           | 15.4        |
|       | 870         |               |             |               |             | 123           | 7.66        | 150           | 9.3         | 191           | 11.8        |
|       | 580         |               |             |               |             | 126           | 5.23        | 153           | 6.32        | 197           | 8.14        |
|       | 400         |               |             |               |             | 128           | 3.66        | 155           | 4.41        | 200           | 5.7         |
|       | 300         |               |             |               |             | 129           | 2.77        | 157           | 3.35        | 203           | 4.34        |
|       | 200         |               |             |               |             | 131           | 1.87        | 160           | 2.28        | 204           | 2.91        |
| 2.1   | 100         |               |             |               |             | 134           | 0.957       | 163           | 1.16        | 210           | 1.49        |
|       | 10          |               |             |               |             | 139           | 0.099       | 169           | 0.12        | 218           | 0.155       |
|       | 1450        | 12.1          | 0.94        | 42.8          | 3.32        | 102           | 7.9         | 137           | 10.6        | 180           | 14          |
|       | 1150        | 12            | 0.74        | 43.4          | 2.67        | 104           | 6.39        | 139           | 8.55        | 183           | 11.3        |
|       | 870         | 12            | 0.56        | 43.8          | 2.04        | 105           | 4.88        | 141           | 6.56        | 187           | 8.7         |
|       | 580         | 11.9          | 0.37        | 44.4          | 1.38        | 108           | 3.34        | 144           | 4.47        | 191           | 5.92        |
|       | 400         | 12.2          | 0.26        | 45.1          | 0.06        | 109           | 2.33        | 146           | 3.12        | 194           | 4.15        |
|       | 300         | 11.9          | 0.19        | 45.5          | 0.73        | 110           | 1.76        | 148           | 2.37        | 196           | 3.14        |
| 2.5:1 | 200         | 12.2          | 0.13        | 46.1          | 0.49        | 111           | 1.18        | 149           | 1.59        | 198           | 2.12        |
|       | 100         | 11.2          | 0.06        | 46.6          | 0.25        | 114           | 0.608       | 152           | 0.812       | 202           | 1.08        |
|       | 10          | 28.1          | 0.015       | 48.5          | 0.026       | 116           | 0.062       | 157           | 0.084       | 209           | 0.112       |
|       | 1450        |               |             |               |             | 96.2          | 5.97        | 113           | 6.99        | 184           | 11.4        |
|       | 1150        |               |             |               |             | 97.2          | 4.78        | 115           | 5.64        | 185           | 9.11        |
|       | 870         |               |             |               |             | 99            | 3.68        | 116           | 4.3         | 188           | 7           |
|       | 580         |               |             |               |             | 100           | 2.48        | 118           | 2.92        | 192           | 4.76        |
|       | 400         |               |             |               |             | 100.9         | 1.73        | 120           | 2.05        | 195           | 3.34        |
| 3.1   | 300         |               |             |               |             | 102.9         | 1.32        | 121           | 1.55        | 197           | 2.53        |
|       | 200         |               |             |               |             | 103.9         | 0.888       | 123           | 1.05        | 200           | 1.71        |
|       | 100         |               |             |               |             | 104.9         | 0.448       | 123           | 0.528       | 203           | 0.867       |
|       | 10          |               |             |               |             | 107.8         | 0.046       | 126           | 0.054       | 208           | 0.089       |
|       | 1450        |               |             |               |             | 93.6          | 4.84        | 105           | 5.42        | 159           | 8.2         |
|       | 1150        |               |             |               |             | 94.8          | 3.88        | 106           | 4.34        | 160           | 6.55        |
|       | 870         |               |             |               |             | 95.9          | 2.97        | 108           | 3.34        | 163           | 5.04        |
|       | 580         |               |             |               |             | 97.6          | 2.02        | 109           | 2.25        | 166           | 3.42        |
| 4.1   | 400         |               |             |               |             | 99            | 1.41        | 111           | 1.58        | 168           | 2.39        |
|       | 300         |               |             |               |             | 100           | 1.07        | 111           | 1.48        | 169           | 1.8         |
|       | 200         |               |             |               |             | 100           | 0.712       | 113           | 0.803       | 171           | 1.22        |
|       | 100         |               |             |               |             | 102           | 0.363       | 115           | 0.409       | 173           | 0.618       |
|       | 10          |               |             |               |             | 104           | 0.037       | 118           | 0.042       | 179           | 0.064       |
|       | 1450        |               |             |               |             | 80.6          | 3.12        | 93.4          | 3.62        | 124           | 4.8         |
|       | 1150        |               |             |               |             | 81.5          | 2.5         | 94.3          | 2.9         | 125           | 3.83        |
|       | 870         |               |             |               |             | 82.4          | 1.92        | 95.9          | 2.23        | 127           | 2.95        |
| 5.1   | 580         |               |             |               |             | 84.1          | 1.3         | 96.9          | 1.5         | 129           | 2           |
|       | 400         |               |             |               |             | 85.1          | 0.91        | 98.7          | 1.05        | 131           | 1.4         |
|       | 300         |               |             |               |             | 86.1          | 0.69        | 98.3          | 0.79        | 131           | 1.05        |
|       | 200         |               |             |               |             | 86            | 0.46        | 101           | 0.54        | 134           | 0.71        |
|       | 100         |               |             |               |             | 87.7          | 0.23        | 101           | 0.27        | 135           | 0.36        |
|       | 10          |               |             |               |             | 89.3          | 0.02        | 101           | 0.03        | 140           | 0.04        |
|       | 1450        |               |             |               |             | 52            | 1.61        | 57.4          | 1.78        | 68.7          | 2.13        |
|       | 1150        |               |             |               |             | 52.5          | 1.29        | 58            | 1.43        | 69.2          | 1.7         |
| 5.1   | 870         |               |             |               |             | 53.2          | 0.99        | 59            | 1.1         | 70.4          | 1.31        |
|       | 580         |               |             |               |             | 54.2          | 0.67        | 59.6          | 0.74        | 71.37         | 0.89        |
|       | 400         |               |             |               |             | 54.9          | 0.47        | 60.7          | 0.52        | 72.6          | 0.62        |
|       | 300         |               |             |               |             | 55.5          | 0.36        | 60.4          | 0.39        | 72.9          | 0.47        |
|       | 200         |               |             |               |             | 55.4          | 0.24        | 61.7          | 0.26        | 74.1          | 0.32        |
|       | 100         |               |             |               |             | 56.5          | 0.12        | 62.9          | 0.13        | 75.1          | 0.16        |
|       | 10          |               |             |               |             | 57.6          | 0.01        | 64.5          | 0.01        | 77.8          | 0.02        |

## T Performance Value Table

| i     | n1<br>r/min | T10           |             | T12           |             | T16           |             | T20           |             | T25           |             |
|-------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
|       |             | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) | MN2<br>(N.m.) | PN1<br>(kW) |
| 1.1   | 1450        | 421           | 65.3        | 619           | 96          | 1019          | 163         |               |             |               |             |
|       | 1150        | 453           | 55.7        | 665           | 81.1        | 1098          | 139         | 1842          | 234         |               |             |
|       | 870         | 479           | 44.6        | 726           | 67.5        | 1186          | 114         | 2009          | 193         | 3489          | 335         |
|       | 580         | 493           | 30.6        | 802           | 49.7        | 1343          | 85.9        | 2274          | 115         | 3940          | 252         |
|       | 400         | 504           | 21.5        | 821           | 35.1        | 1499          | 66.1        | 2538          | 112         | 4410          | 195         |
|       | 300         | 513           | 16.4        | 835           | 26.8        | 1637          | 54.1        | 2744          | 90.8        | 4792          | 159         |
|       | 200         | 521           | 11.1        | 852           | 18.2        | 1784          | 39.3        | 3126          | 69          | 5390          | 119         |
|       | 100         | 535           | 5.72        | 875           | 9.36        | 1842          | 20.3        | 3205          | 35.3        | 5439          | 60          |
| 1.5:1 | 10          | 561           | 0.599       | 919           | 0.983       | 1940          | 2.14        | 3205          | 3.53        | 5713          | 6.3         |
|       | 1450        | 374           | 38.7        | 584           | 58.3        |               |             |               |             |               |             |
|       | 1150        | 381           | 31.2        | 601           | 49.2        |               |             |               |             |               |             |
|       | 870         | 389           | 24.1        | 656           | 40.7        |               |             |               |             |               |             |
|       | 580         | 396           | 16.4        | 699           | 28.9        |               |             |               |             |               |             |
|       | 400         | 406           | 11.6        | 711           | 20.3        |               |             |               |             |               |             |
|       | 300         | 411           | 8.78        | 724           | 15.5        |               |             |               |             |               |             |
|       | 200         | 417           | 5.95        | 736           | 10.5        |               |             |               |             |               |             |
| 2.1   | 100         | 426           | 3.04        | 754           | 5.37        |               |             |               |             |               |             |
|       | 10          | 443           | 0.316       | 785           | 0.56        |               |             |               |             |               |             |
|       | 1450        | 305           | 23.6        | 516           | 40          | 921           | 73.7        | 1878          | 126         |               |             |
|       | 1150        | 309           | 19          | 516           | 31.7        | 938           | 59.5        | 1607          | 102         | 3146          | 199         |
|       | 870         | 315           | 14.6        | 516           | 24          | 958           | 46          | 1646          | 79          | 3224          | 155         |
|       | 580         | 322           | 10          | 524           | 16.3        | 980           | 31.3        | 1695          | 54.2        | 3332          | 107         |
|       | 400         | 328           | 7.02        | 538           | 11.5        | 1000          | 22          | 1725          | 38          | 3420          | 75.4        |
|       | 300         | 332           | 5.33        | 543           | 8.71        | 1009          | 16.7        | 1754          | 29          | 3479          | 57.5        |
| 2.5:1 | 200         | 338           | 3.61        | 551           | 5.89        | 1029          | 11.3        | 1784          | 19.7        | 3557          | 39.2        |
|       | 100         | 344           | 1.84        | 563           | 3.01        | 1058          | 5.84        | 1833          | 1.1         | 3646          | 20.1        |
|       | 10          | 357           | 0.191       | 586           | 0.313       | 1098          | 0.605       | 1921          | 1.06        | 3822          | 2.11        |
|       | 1450        | 293           | 18.2        | 507           | 31.4        |               |             |               |             |               |             |
|       | 1150        | 298           | 14.7        | 514           | 25.3        |               |             |               |             |               |             |
|       | 870         | 302           | 11.2        | 523           | 19.5        |               |             |               |             |               |             |
|       | 580         | 310           | 7.68        | 535           | 13.36       |               |             |               |             |               |             |
|       | 400         | 315           | 5.38        | 545           | 9.32        |               |             |               |             |               |             |
| 3.1   | 300         | 317           | 4.06        | 552           | 7.08        |               |             |               |             |               |             |
|       | 200         | 321           | 2.75        | 560           | 4.79        |               |             |               |             |               |             |
|       | 100         | 326           | 1.4         | 568           | 2.43        |               |             |               |             |               |             |
|       | 10          | 336           | 0.144       | 588           | 0.251       |               |             |               |             |               |             |
|       | 1450        | 270           | 14          | 458           | 23.6        | 904           | 48.2        | 1529          | 82.3        | 2935          | 158         |
|       | 1150        | 275           | 11.3        | 464           | 19          | 920           | 38.9        | 1561          | 66.6        | 3045          | 160         |
|       | 870         | 279           | 8.66        | 469           | 14.6        | 940           | 30.1        | 1598          | 51.6        | 3135          | 101         |
|       | 580         | 285           | 5.89        | 480           | 9.92        | 960           | 20.4        | 1644          | 35.4        | 3246          | 69.9        |
| 4.1   | 400         | 288           | 4.11        | 490           | 6.98        | 978           | 14.4        | 1672          | 24.8        | 3317          | 49.3        |
|       | 300         | 291           | 3.11        | 495           | 5.29        | 990           | 10.9        | 1701          | 18.9        | 3372          | 37.6        |
|       | 200         | 294           | 2.1         | 501           | 3.57        | 1005          | 7.38        | 1733          | 12.9        | 3449          | 25.6        |
|       | 100         | 300           | 1.07        | 510           | 1.82        | 1038          | 3.82        | 1777          | 6.6         | 3537          | 13.1        |
|       | 10          | 308           | 0.11        | 527           | 0.188       | 1076          | 0.4         | 1865          | 0.69        | 3713          | 1.4         |
|       | 1450        | 241           | 9.35        | 434           | 16.8        | 850           | 34.3        | 1452          | 58.7        | 2798          | 113         |
|       | 1150        | 246           | 7.54        | 441           | 13.5        | 865           | 27.7        | 1483          | 47.5        | 2892          | 92.6        |
|       | 870         | 249           | 5.78        | 448           | 10.4        | 884           | 21.4        | 1518          | 36.8        | 2978          | 72.2        |
| 5.1   | 580         | 254           | 3.93        | 456           | 7.07        | 902           | 14.6        | 1562          | 25.2        | 3084          | 49.8        |
|       | 400         | 257           | 2.74        | 465           | 4.97        | 919           | 10.2        | 1588          | 17.7        | 3151          | 35.1        |
|       | 300         | 259           | 2.08        | 470           | 3.77        | 930           | 7.8         | 1616          | 13.5        | 3204          | 26.8        |
|       | 200         | 262           | 1.4         | 476           | 2.54        | 944           | 5.3         | 1646          | 9.17        | 3276          | 18.2        |
|       | 100         | 267           | 0.71        | 485           | 1.3         | 976           | 2.7         | 1688          | 4.7         | 3360          | 9.36        |
|       | 10          | 275           | 0.07        | 501           | 0.13        | 1011          | 0.3         | 1772          | 0.49        | 3527          | 0.98        |
|       | 1450        | 136           | 4.21        | 296           | 9.18        | 814           | 26.3        | 1391          | 44.9        | 2631          | 85          |
|       | 1150        | 138           | 3.39        | 301           | 7.39        | 828           | 21.2        | 1420          | 36.4        | 2771          | 71          |
| 5.1   | 870         | 140           | 2.6         | 305           | 5.68        | 847           | 16.4        | 1454          | 28.2        | 2853          | 55.3        |
|       | 580         | 143           | 1.77        | 311           | 3.86        | 864           | 11.2        | 1496          | 19.3        | 2954          | 38.2        |
|       | 400         | 144           | 1.23        | 318           | 2.72        | 881           | 7.85        | 1521          | 13.6        | 3018          | 26.9        |
|       | 300         | 146           | 0.93        | 321           | 2.06        | 891           | 5.96        | 1548          | 10.3        | 3069          | 20.5        |
|       | 200         | 148           | 0.63        | 325           | 1.39        | 905           | 4.03        | 1577          | 7.03        | 3138          | 14          |
|       | 100         | 150           | 0.32        | 331           | 0.71        | 935           | 2.08        | 1617          | 3.6         | 3218          | 7.17        |
|       | 10          | 155           | 0.03        | 342           | 0.07        | 969           | 0.22        | 1697          | 0.38        | 3378          | 0.75        |

## T Performance Value Table (Fr)

| i     | n1<br>(r/min) | T2         |          | T4         |          | T6         |          | T7         |          | T8         |          | T10        |          | T12        |          | T16        |          | T20        |          | T25        |          |
|-------|---------------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|
|       |               | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical | Horizontal | Vertical |
| 1:01  | 1450          | 265        | 216      | 833        | 951      | 1911       | 2450     | 2450       | 3136     | 3234       | 3381     | 4165       | 4508     | 5096       | 5586     | 10633      | 101976   |            |          |            |          |
|       | 1150          | 323        | 235      | 882        | 1029     | 2058       | 2597     | 2744       | 3234     | 3479       | 3626     | 4459       | 4851     | 5488       | 6076     | 11368      | 11760    | 15386      | 15608    |            |          |
|       | 870           | 402        | 255      | 960        | 1127     | 2205       | 2842     | 2989       | 3381     | 3773       | 3969     | 4851       | 5292     | 5880       | 6566     | 12446      | 12740    | 16660      | 17150    | 24794      | 2548     |
|       | 580           | 549        | 314      | 1078       | 1323     | 2499       | 3185     | 3381       | 3822     | 4263       | 4459     | 5488       | 5880     | 6713       | 7301     | 14014      | 14504    | 18816      | 19404    | 28028      | 28910    |
|       | 400           | 637        | 353      | 1372       | 1715     | 3185       | 3528     | 4018       | 4900     | 4851       | 5978     | 6272       | 7056     | 7742       | 8134     | 15680      | 16170    | 21070      | 21756    | 31360      | 32340    |
|       | 300           | 696        | 392      | 1519       | 1960     | 3430       | 3528     | 4410       | 5537     | 5243       | 6958     | 6713       | 7987     | 8232       | 9065     | 17150      | 17640    | 23422      | 24108    | 34300      | 34280    |
|       | 200           | 784        | 441      | 1911       | 1960     | 3430       | 3528     | 5096       | 6272     | 7889       | 8820     | 8575       | 9604     | 9261       | 10290    | 19600      | 19894    | 25970      | 26754    | 38612      | 39788    |
|       | 100           | 980        | 588      | 1911       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11368      | 12593    | 22540      | 22540    | 28420      | 32928    | 39200      | 49000    |
|       | 10            | 980        | 588      | 1911       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11858      | 14504    | 22540      | 22540    | 28420      | 33320    | 39200      | 49000    |
| 1.5:1 | 1450          |            |          | 1078       | 1960     | 2548       | 2842     | 3430       | 5390     | 4361       | 7987     | 5194       | 9212     | 5978       | 10486    | 5978       | 12152    | 7693       | 14602    |            |          |
|       | 1150          |            |          | 1078       | 1960     | 3038       | 3087     | 4067       | 5978     | 5096       | 8820     | 6174       | 10486    | 7252       | 12152    | 6419       | 13083    | 8771       | 17934    | 12985      | 24647    |
|       | 870           |            |          | 1078       | 1960     | 3430       | 3332     | 4753       | 6076     | 6076       | 8820     | 7448       | 11760    | 8869       | 14504    | 6958       | 14210    | 9506       | 19453    | 13573      | 2940     |
|       | 580           |            |          | 1078       | 1960     | 3430       | 3528     | 5096       | 6174     | 7644       | 8820     | 9555       | 11760    | 11466      | 14504    | 7840       | 16072    | 10780      | 22001    | 15680      | 3322     |
|       | 400           |            |          | 1078       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11858      | 14504    | 8820       | 17934    | 12005      | 24598    | 17542      | 37142    |
|       | 300           |            |          | 1078       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11858      | 14504    | 9604       | 19600    | 13132      | 27342    | 19159      | 40474    |
|       | 200           |            |          | 1078       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11858      | 14504    | 10829      | 22148    | 14798      | 30282    | 21658      | 45766    |
|       | 100           |            |          | 1078       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11858      | 14504    | 13328      | 22540    | 18228      | 33320    | 26656      | 49000    |
|       | 10            |            |          | 1078       | 1960     | 3430       | 3528     | 5096       | 6272     | 8428       | 8820     | 9996       | 11760    | 11858      | 14504    | 22540      | 22540    | 28420      | 33320    | 39200      | 49000    |