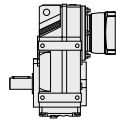


F-095

Technical Data



| Ratio | n _{1N} (1) rpm | n _{1Max} (2) rpm | T _{2N} (3) N·m | T _{2Max} (4) N·m | T _{2E} (5) N·m | F _{2RMaxH} (6) N | F _{2RMaxP} (7) N | J (8) kg·cm ² | C _H (6) N·m/' | C _P (7) N·m/' | Δφ ' | η % | M kg |
|--------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|---------|--------|-----------|
| 3.87 | 1400 | 3197 | 1800 | 2700 | 3060 | 10300 | 9960 | 266.0 | 627 | 324 | 9 | 97 | 160 - 205 |
| 4.57 | 1400 | 3597 | 2050 | 3000 | 3480 | 10200 | 9950 | 193.0 | 627 | 324 | 9 | 97 | 160 - 205 |
| 5.23 | 1400 | 3924 | 2150 | 3020 | 3650 | 10700 | 10400 | 153.0 | 627 | 324 | 9 | 97 | 160 - 205 |
| 6.17 | 1400 | 4378 | 2250 | 3030 | 3820 | 11400 | 11100 | 116.0 | 627 | 324 | 9 | 97 | 160 - 205 |
| 7.07 | 1400 | 4500 | 2360 | 3040 | 4010 | 11900 | 11500 | 92.0 | 627 | 324 | 9 | 97 | 160 - 205 |
| 8.22 | 1400 | 4500 | 2360 | 3050 | 4010 | 13100 | 12600 | 72.0 | 627 | 324 | 8 | 97 | 160 - 205 |
| 9.06 | 1400 | 4500 | 2360 | 3050 | 4010 | 13900 | 13400 | 61.0 | 627 | 324 | 9 | 97 | 160 - 205 |
| 11.16 | 1400 | 3597 | 4100 | 4360 | 6970 | 9710 | 10000 | 104.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 12.77 | 1400 | 3924 | 4300 | 4360 | 7310 | 10100 | 10500 | 85.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 15.06 | 1400 | 4378 | 4300 | 4360 | 7310 | 11700 | 11900 | 67.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 17.25 | 1400 | 4500 | 4300 | 4360 | 7310 | 13100 | 13200 | 55.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 20.07 | 1400 | 4500 | 4300 | 4360 | 7310 | 14700 | 14600 | 45.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 22.11 | 1400 | 4500 | 4300 | 4360 | 7310 | 15700 | 15600 | 39.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 24.92 | 1400 | 4500 | 4300 | 4360 | 7310 | 17100 | 16800 | 33.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 27.44 | 1400 | 4500 | 4300 | 4360 | 7310 | 18200 | 17900 | 28.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 30.39 | 1400 | 4500 | 4300 | 4360 | 7310 | 19500 | 19000 | 22.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 33.91 | 1400 | 4500 | 4300 | 4360 | 7310 | 20900 | 20300 | 19.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 36.64 | 1400 | 4500 | 3070 | 4360 | 5210 | 27000 | 25500 | 17.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 43.28 | 1400 | 4500 | 3070 | 4360 | 5210 | 29300 | 27600 | 13.0 | 873 | 380 | 6 | 97 | 160 - 205 |
| 32.50 | 1400 | 3924 | 4300 | 4360 | 7310 | 20300 | 19800 | 60.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 38.86 | 1400 | 4378 | 4300 | 4360 | 7310 | 22700 | 21900 | 48.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 44.49 | 1400 | 4500 | 4300 | 4360 | 7310 | 24500 | 23600 | 39.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 52.49 | 1400 | 4500 | 4300 | 4360 | 7310 | 26900 | 25800 | 31.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 58.06 | 1400 | 4500 | 4300 | 4360 | 7310 | 28500 | 27200 | 27.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 65.47 | 1400 | 4500 | 4300 | 4360 | 7310 | 30400 | 29000 | 23.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 72.29 | 1400 | 4500 | 4300 | 4360 | 7310 | 32000 | 29900 | 20.0 | 956 | 395 | 6 | 96 | 165 - 210 |
| 75.63 | 1400 | 4378 | 4300 | 4360 | 7310 | 32800 | 29900 | 42.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 80.31 | 1400 | 4500 | 4300 | 4360 | 7310 | 33800 | 29900 | 17.0 | 956 | 395 | 6 | 95 | 165 - 210 |
| 86.59 | 1400 | 4500 | 4300 | 4360 | 7310 | 35100 | 29900 | 34.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 89.85 | 1400 | 4500 | 4300 | 4360 | 7310 | 35700 | 29900 | 14.0 | 956 | 395 | 6 | 95 | 165 - 210 |
| 97.58 | 1400 | 4500 | 4300 | 4360 | 7310 | 37200 | 29900 | 13.0 | 956 | 395 | 6 | 95 | 165 - 210 |
| 102.16 | 1400 | 4500 | 4300 | 4360 | 7310 | 38100 | 29900 | 28.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 112.99 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 25.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 127.42 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 20.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 140.71 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 18.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 156.30 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 15.0 | 965 | 396 | 6 | 95 | 165 - 210 |
| 174.87 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 13.0 | 965 | 396 | 6 | 94 | 165 - 210 |
| 189.92 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 12.0 | 965 | 396 | 6 | 94 | 165 - 210 |
| 223.88 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 9.2 | 965 | 396 | 6 | 94 | 165 - 210 |
| 253.41 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 5.9 | 965 | 396 | 6 | 93 | 165 - 210 |
| 276.77 | 1400 | 4500 | 4300 | 4360 | 7310 | 40000 | 29900 | 5.1 | 965 | 396 | 6 | 93 | 165 - 210 |

(1) Rated input speed.

(2) Maximum Input Speed.

(3) T_{2N} value is calculated at n_{1n}, continuous duty cycle, uniform operation, KA=1 and unlimited theoretical life time as per ISO-6336 (NL>N00 in the Woehler line). The application factor KA according to DIN-3990-1 must be considered for each duty cycle and machine type.

(4) T_{2Max} only for very short time intervals.

(5) Up to 1000 times during the gearbox's lifetime.

(6) For gearboxes with flange and hollow output shaft

(7) For gearboxes without flanges and with solid output shaft

(8) Varies depending on input.