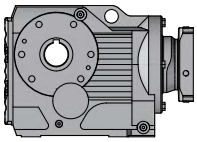
# K-045



## 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] | $F_{2RMaxP}$ (7) [N] | J (8) [Kg·cm²] | C (6) [Nm/arcmin] | C (7) [Nm/arcmin] | Δφ [arcmin] | η [%] | M [Kg] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.81 | 1400 | 4500 | 230 | 265 | 391 | 3140 | 3.6 | 23 | 26 | 12 | 96 | 19.15 - 33.2 |
| 6.58 | 1400 | 4500 | 240 | 276 | 408 | 3270 | 2.8 | 23 | 26 | 12 | 96 | 19.15 - 33.2 |
| 7.36 | 1400 | 4500 | 250 | 288 | 425 | 3390 | 2.3 | 23 | 26 | 11 | 96 | 19.15 - 33.2 |
| 8.56 | 1400 | 4500 | 270 | 311 | 459 | 3500 | 1.8 | 23 | 26 | 11 | 96 | 19.15 - 33.2 |
| 9.10 | 1400 | 4500 | 280 | 322 | 476 | 3540 | 1.6 | 23 | 26 | 11 | 96 | 19.15 - 33.2 |
| 10.56 | 1400 | 4500 | 280 | 322 | 476 | 3830 | 1.2 | 23 | 26 | 11 | 96 | 19.15 - 33.2 |
| 11.77 | 1400 | 4500 | 280 | 322 | 476 | 4060 | 1.0 | 23 | 26 | 10 | 96 | 19.15 - 33.2 |
| 12.19 | 1400 | 4500 | 350 | 402 | 595 | 3720 | 2.4 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 13.65 | 1400 | 4500 | 360 | 414 | 612 | 3890 | 2.0 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 15.86 | 1400 | 4500 | 380 | 437 | 646 | 4080 | 1.6 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 16.86 | 1400 | 4500 | 380 | 437 | 646 | 4230 | 1.4 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 19.58 | 1400 | 4500 | 400 | 460 | 680 | 4440 | 1.1 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 21.81 | 1400 | 4500 | 400 | 460 | 680 | 4710 | 0.91 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 24.06 | 1400 | 4500 | 400 | 460 | 680 | 4970 | 0.75 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 25.91 | 1400 | 4500 | 400 | 460 | 680 | 5170 | 0.68 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 29.32 | 1400 | 4500 | 400 | 460 | 680 | 5520 | 0.55 | 29 | 33 | 8 | 96 | 19.15 - 33.2 |
| 31.30 | 1400 | 4500 | 400 | 460 | 680 | 5700 | 0.50 | 29 | 33 | 7 | 96 | 19.15 - 33.2 |
| 35.39 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 1.3 | 32 | 36 | 7 | 94 | 19.15 - 33.2 |
| 39.61 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 1.1 | 32 | 36 | 7 | 94 | 19.15 - 33.2 |
| 46.03 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.88 | 32 | 36 | 7 | 94 | 19.15 - 33.2 |
| 48.95 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.80 | 32 | 36 | 7 | 94 | 19.15 - 33.2 |
| 56.83 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.64 | 32 | 36 | 7 | 94 | 19.15 - 33.2 |
| 63.30 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.54 | 32 | 36 | 6 | 94 | 19.15 - 33.2 |
| 69.84 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.45 | 32 | 36 | 6 | 94 | 19.15 - 33.2 |
| 75.20 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.42 | 32 | 36 | 6 | 94 | 19.15 - 33.2 |
| 85.12 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.35 | 32 | 36 | 6 | 94 | 19.15 - 33.2 |
| 90.86 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.32 | 32 | 36 | 6 | 94 | 19.15 - 33.2 |
| 104.37 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.26 | 32 | 36 | 6 | 93 | 19.15 - 33.2 |
| 121.48 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.21 | 32 | 36 | 6 | 93 | 19.15 - 33.2 |
| 131.87 | 1400 | 4500 | 400 | 460 | 680 | 5920 | 0.18 | 32 | 36 | 6 | 93 | 19.15 - 33.2 |

(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.