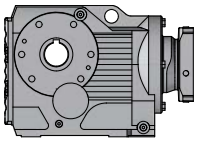
K-085



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]
7.21	1400	4378	1300	1495	2210	13200	46.0	156	169	7	96	82 - 119.2
8.29	1400	4500	1400	1610	2380	13500	35.0	156	169	7	96	82 - 119.2
10.00	1400	4500	1500	1725	2550	14200	26.0	156	169	7	96	82 - 119.2
11.17	1400	4500	1500	1725	2550	14900	22.0	156	169	7	96	82 - 119.2
12.56	1400	4378	2000	2300	3400	14800	42.0	181	198	6	96	82 - 119.2
14.45	1400	4500	2100	2415	3570	15300	32.0	181	198	6	96	82 - 119.2
16.00	1400	4500	1800	2070	3060	16000	12.0	156	169	6	96	82 - 119.2
17.42	1400	4500	2200	2530	3740	16300	24.0	181	198	6	96	82 - 119.2
19.45	1400	4500	2300	2645	3910	16800	20.0	181	198	6	96	82 - 119.2
22.41	1400	4500	2300	2645	3910	17900	16.0	181	198	6	96	82 - 119.2
24.92	1400	4500	2500	2875	4250	18000	14.0	181	198	6	96	82 - 119.2
27.88	1400	4500	2600	2990	4420	18500	12.0	181	198	6	96	82 - 119.2
31.39	1400	4500	2700	3105	4590	19200	9.6	181	198	6	96	82 - 119.2
36.52	1400	4500	2500	2875	4250	21400	20.0	188	207	6	95	82 - 119.2
44.02	1400	4500	2600	2990	4420	22800	16.0	188	207	6	95	82 - 119.2
49.16	1400	4500	2700	3105	4590	23500	14.0	188	207	5	95	82 - 119.2
56.64	1400	4500	2700	3105	4590	25000	11.0	188	207	5	95	82 - 119.2
63.00	1400	4500	2700	3105	4590	26200	9.8	188	207	5	95	82 - 119.2
70.46	1400	4500	2700	3105	4590	27300	8.4	188	207	5	95	82 - 119.2
79.34	1400	4500	2700	3105	4590	27300	7.1	188	207	5	95	82 - 119.2
86.34	1400	4500	2700	3105	4590	27300	6.3	188	207	5	95	82 - 119.2
102.71	1400	4500	2700	3105	4590	27300	4.9	188	207	5	95	82 - 119.2
115.82	1400	4500	2700	3105	4590	27300	4.0	188	207	5	95	82 - 119.2
126.91	1400	4500	2700	3105	4590	27300	3.5	188	207	5	95	82 - 119.2
147.32	1400	4500	2700	3105	4590	27300	2.8	188	207	5	94	82 - 119.2
164.34	1400	4500	2700	3105	4590	27300	1.8	188	207	5	94	82 - 119.2
174.19	1400	4500	2700	3105	4590	27300	1.6	188	207	5	94	82 - 119.2
197.37	1400	4500	2700	3105	4590	27300	1.3	188	207	5	94	82 - 119.2

(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>N001 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.