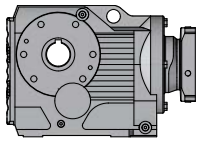
K-105



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]
8.69	1400	3597	3597	4070	4681	24600	170.0	488	519	9	96	248 - 337
9.94	1400	3924	3924	4190	4819	25800	136.0	488	519	9	96	248 - 337
11.73	1400	4378	4378	4300	4945	27500	104.0	488	519	9	96	248 - 337
13.43	1400	4500	4500	4300	4945	29200	82.0	488	519	9	96	248 - 337
14.64	1400	3597	3597	6890	7923	21900	163.0	612	661	7	96	248 - 337
16.75	1400	3924	3924	7050	8107	23600	131.0	612	661	7	96	248 - 337
19.74	1400	4378	4378	7200	8280	26100	100.0	612	661	6	96	248 - 337
22.62	1400	4500	4500	7200	8280	28900	80.0	612	661	6	96	248 - 337
26.32	1400	4500	4500	7200	8280	32000	63.0	612	661	6	96	248 - 337
29.00	1400	4500	4500	7200	8280	34000	54.0	612	661	6	96	248 - 337
31.28	1400	3197	3197	6800	7820	36700	112.0	670	730	6	94	248 - 337
32.69	1400	4500	4500	7200	8280	36300	45.0	612	661	6	96	248 - 337
37.00	1400	3597	3597	7200	8280	38500	86.0	670	730	6	94	248 - 337
42.33	1400	3924	3924	7360	8464	40500	72.0	670	730	6	94	248 - 337
49.90	1400	4378	4378	7840	9016	42200	58.0	670	730	6	94	248 - 337
57.17	1400	4500	4500	8000	9200	44400	48.0	670	730	6	94	248 - 337
66.52	1400	4500	4500	8000	9200	47600	40.0	670	730	6	94	248 - 337
73.30	1400	4500	4500	8000	9200	49700	35.0	670	730	6	94	248 - 337
82.61	1400	4500	4500	8000	9200	52400	29.0	670	730	6	94	248 - 337
90.96	1400	4500	4500	8000	9200	54600	25.0	670	730	6	94	248 - 337
100.75	1400	4500	4500	8000	9200	57000	20.0	670	730	6	94	248 - 337
112.41	1400	4500	4500	8000	9200	59700	17.0	670	730	6	94	248 - 337
121.46	1400	4500	4500	8000	9200	61700	15.0	670	730	6	94	248 - 337
143.47	1400	4500	4500	8000	9200	65000	12.0	670	730	6	94	248 - 337

(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.