



# TK Torque Motors Series

## Direct Drive Technology

Datasheet  
Rev. 01/2024

Torque Motor code	Stack [mm]	L tot.[mm]	Øout [mm]	Øin [mm]	Torque (Water Cooled) [Nm]	Torque (Air Cooled) [Nm]	Peak Torque [Nm]	Nominal Speed (rpm)	Max Speed (rpm)
TK.085	50	110	96	44	7,30	3,70	24,10	5000	18000
	100	160	96	44	16,20	8,10	48,20		
	150	210	96	44	25,40	12,70	72,30		
	200	260	96	44	34,70	17,40	96,40		
TK.110	50	125	121	43	12,50	6,30	33,20	5000	20000
	100	175	121	43	26,90	13,50	66,30		
	150	225	121	43	41,60	20,80	99,50		
	200	275	121	43	56,30	28,20	132,70		
TK.120	50	125	134	54	21,90	11,00	47,50	5000	15000
	100	175	134	54	48,20	24,10	95,10		
	150	225	134	54	75,10	37,60	142,60		
	200	275	134	54	102,40	51,20	190,00		
TK.164	50	125	173	76	48,30	24,10	93,50	4000	10000
	100	175	173	76	104,70	52,30	187,00		
	150	225	173	76	162,10	81,10	280,40		
	200	275	173	76	219,90	110,00	374,00		
	300	375	173	76	336,00	168,00	560,90		



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TK.188	50	140	202	80	34,80	17,40	119,50	6000	28000
	100	90	202	80	79,10	39,50	238,90		
	150	240	202	80	125,80	62,90	358,40		
	200	290	202	80	173,60	86,80	477,80		
TK.195	300	390	202	80	270,50	135,20	716,80	2000	15000
	50	160	207	76	49,50	24,80	93,50		
	100	210	207	76	108,69	54,30	187,00		
	150	260	207	76	169,20	84,60	280,40		
TK.220	200	310	207	76	230,20	115,00	374,00	3000	14000
	300	410	207	76	352,70	176,40	560,90		
	50	170	240	110	75,60	37,80	159,00		
	100	220	240	110	172,40	86,20	318,10		
TK.240	150	270	240	110	274,40	137,20	477,10	3000	8000
	200	320	240	110	378,70	189,30	636,20		
	300	420	240	110	590,10	295,10	954,30		
	50	135	249	142	111,20	55,60	216,50		
TK.270	100	185	249	142	240,00	120,00	433,00	3000	8000
	150	235	249	142	371,30	185,60	649,40		
	200	285	249	142	465,90	251,60	865,90		
TK.270	50	140	282	160	112,30	56,20	282,70	3000	8000
	100	190	282	160	253,00	126,50	565,50		
	150	240	282	160	399,30	199,60	848,20		
	200	290	282	160	547,70	273,90	1.131,00		



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TK.310	50	120	310	198	215,60	107,80	373,90	500	3000
	100	170	310	198	475,90	238,00	748,00		
	150	220	310	198	743,30	371,70	1.121,80		
	200	270	310	198	1.013,00	506,60	1.495,70		
TK.340	50	145	358	190	242,00	121,00	407,20	2000	6000
	100	195	358	190	547,20	273,60	814,30		
	150	245	358	190	864,70	432,40	1.221,50		
	200	295	358	190	1.186,90	593,50	1.628,60		
	300	395	358	190	1.837,00	918,50	2.442,90		
TK.370	50	140	380	268	271,70	135,90	636,20	1000	4000
	100	190	380	268	604,50	302,20	1.272,30		
	150	240	380	268	947,40	473,70	1.908,50		
	200	290	380	268	1.294,00	647,00	2.544,70		
	300	390	380	268	1.991,40	995,70	3.817,00		
TK.450	50	170	465	320	468,20	234,10	916,10	1000	3000
	100	220	465	320	1.033,70	516,90	1.832,20		
	150	270	465	320	1.613,00	806,50	2.748,30		
	200	320	465	320	2.196,90	1.098,40	3.664,40		
TK.485	50	145	485	345	544,00	213,00	1.068,00	1000	2000
	100	195	485	345	1.197,00	500,00	2.136,00		
	150	245	485	345	1.858,00	802,00	3.204,00		
	200	295	485	345	2.521,00	1.110,00	4.272,00		



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TK.540	50	145	548	400	712,80	356,40	1.431,40	400	1500
	100	195	548	400	1.547,50	773,80	2.862,80		
	150	245	548	400	2.397,40	1.198,70	4.294,20		
	200	295	548	400	3.252,00	1.626,00	5.725,60		
TK.570	50	115	578	450	745,40	372,70	1.767,10	400	1500
	100	165	578	450	1.673,00	836,50	3.534,30		
	150	215	578	450	2.632,50	1.316,20	5.301,40		
	200	265	578	450	3.603,60	1.801,80	7.068,60		
TK.795	50	160	815	640	1.631,10	815,50	3.365,40	200	800
	100	210	815	640	3.781,20	1.890,60	6.730,70		
	150	260	815	640	6.063,60	3.031,80	10.096,10		
	200	310	815	640	8.402,10	4.201,10	13.461,40		
TK.1150	50	190	1210	908	3.495,00	1.785,00	6.789,00	100	400
	100	240	1210	908	7.996,00	4.281,00	13.577,00		
	150	290	1210	908	12.696,00	6.952,00	20.366,00		
	200	340	1210	908	17.457,00	9.695,00	27.155,00		
TK.1340	50	190	1420	1100	4.542,80	2.271,40	9.842,30	100	400
	100	240	1420	1100	10.639,40	5.319,70	19.684,60		
	150	290	1420	1100	17.147,10	8.573,50	29.526,90		
	200	340	1420	1100	23.831,50	11.915,70	39.369,20		



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TK.1700	50	190	1770	1420	8.113,80	4.056,90	15.946,80	100	300
	100	240	1770	1420	18.951,20	9.475,60	31.893,50		
	150	290	1770	1420	30.480,20	15.240,10	47.840,30		
	200	340	1770	1420	42.301,80	21.150,90	63.787,00		
TK.2000	50	260	2085	1700	8.587,40	4.293,70	23.004,10	100	300
	100	310	2085	1700	20.713,90	10.356,90	46.008,20		
	150	360	2085	1700	34.103,80	17.051,90	69.012,30		
	200	410	2085	1700	48.132,40	24.066,20	92.016,40		
TK.3080	50	260	3170	2760	24.318,60	12.159,30	51.035,20	100	250
	100	310	3170	2760	57.331,50	28.665,80	102.070,30		
	150	360	3170	2760	92.790,20	46.395,10	153.105,50		
	200	410	3170	2760	129.340,00	64.670,00	204.140,70		