

## NT Motor Specifications

Motor Model	Rated Torque lb-in Nm	Cont. Stall Current Arms	Peak Current Arms	Motor Resistance Ohms	Motor Inductance mH	Max Operating Speed RPM	Inertia lb-in-sec <sup>2</sup> kg-cm <sup>2</sup>	Motor Ke Vrms/krpm	Motor Kt lb-in/Arms Nm/Arms	Motor Weight lb kg
NT-207	7.5 .85	1.7	3.6	11.1	39.1	5000	0.000094 0.106	35	5.12 0.58	3 1.36
NT-212	12.5 1.4	2.7	6	4.56	18.9	5000	0.000164 0.185	35	5.12 0.58	4 1.82
NT-320	20 2.2	5.4	16.2	1.5	16.0	4000	0.000328 0.370	29	3.50 0.40	6 2.72
NT-320 medium inertia	18.0 2.0	5.4	16.2	1.5	16.0	4000	0.000558 0.63	29	3.50 0.40	6.9 3.13
NT-330	32 3.6	6.25	18.38	1.2	15.0	4000	0.000438 0.494	36	4.73 0.53	7.3 3.31
NT-330 medium inertia	47 5.3	6.59	19.8	1.3	17.0	3000	0.000668 0.754	50	6.37 0.72	10 4.54
NT-345	47 5.3	6.59	19.8	1.3	17.0	3000	0.000668 0.754	50	6.37 0.72	10 4.54
NT-345 medium inertia	56 6.3	7.6	22.8	1	13.0	3000	0.000888 1.002	50	6.32 0.71	12.3 5.58
NT-355	56 6.3	7.6	22.8	1	13.0	3000	0.000888 1.002	50	6.32 0.71	12.3 5.58

Note: Encoder resolution 2048 ppr

## NT Holding Brake Specifications

Motor Frame Size	Volt DC	Current (A)	Static Torque		Mechanical Disengagement Time-Brake Released ms	Mechanical Engagement Time-Brake Holding ms	Added Inertia	
			lb-in	Nm			lb-in-sec <sup>2</sup>	kg-cm <sup>2</sup>
2"	24	0.33	20	2.26	28	14	0.000106	0.12
3"	24	0.65	88.5	10	43	13	0.000968	1.093

## MG Motor Specifications

Motor Model	Rated Torque lb-in Nm	Cont. Stall Current Arms	Peak Current Arms	Motor Resistance Ohms	Motor Inductance mH	Max Operating Speed RPM	Inertia lb-in-sec <sup>2</sup> kg-cm <sup>2</sup>	Motor Ke Vrms/krpm	Motor Kt lb-in/Arms Nm/Arms	Motor Weight lb kg
MG-205	5.3 0.6	1.3	4.3	18.5	26.40	5000	0.000099 0.112	28	4.1 0.47	3 1.3
MG-208	9.4 1.1	2.3	7.8	7.3	12.50	5000	0.000169 0.191	28	4.1 0.47	4 1.8
MG-316	19.3 2.2	3.5	12	3.9	9.40	4000	0.000560 0.630	38	5.5 0.62	8.3 3.8
MG-340	47.3 5.3	5.7	19.5	1.9	6.80	3000	0.001458 1.646	57	8.3 0.94	14.6 6.6
MG-455	63.4 7.2	7.2	26.4	1.1	7.40	3000	0.002658 3.000	60	8.8 0.99	20 9.1
MG-490	88.6 10.0	10.3	45	0.4	3.30	3000	0.005175 5.823	59	8.6 0.97	28.6 13.0
MG-4120	123.9 14.0	11.8	49.2	0.4	3.20	3000	0.007458 8.4	72	10.5 1.19	37 16.8

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## MG Holding Brake Specifications

Motor Frame Size	Volt DC	Current (A)	Static Torque		Mechanical Disengagement Time-Brake Released ms	Mechanical Engagement Time-Brake Holding ms	Added Inertia	
			lb-in	Nm			lb-in-sec <sup>2</sup>	kg-cm <sup>2</sup>
2"	24	0.21	10	1.13	40	25	0.000025	0.028
3"	24	0.52	60	6.78	250	100	0.00015	0.17
4"	24	0.088	230	27.12	250	100	0.00041	0.46