

NT MOTOR—230V

The NT Motor is an economical, high performance motor manufactured to maximize torque and minimize size. The NT motor uses powerful Neodymium magnets and is manufactured with a segmented core to maximize stator efficiency and further reduce size.

- Very low inertia for applications that demand high accel and cycle rates
- English (NEMA 23 or 34) or Metric (IEC- 72-1) flanges
- With or without holding brakes
- The standard encoder resolution is 2048 lines per rev.
- NT motors can be ordered with MS style connectors, 1 meter Flying Leads or 1 meter Flying Leads with MS connectors, direct connect
- All models are rated IP65

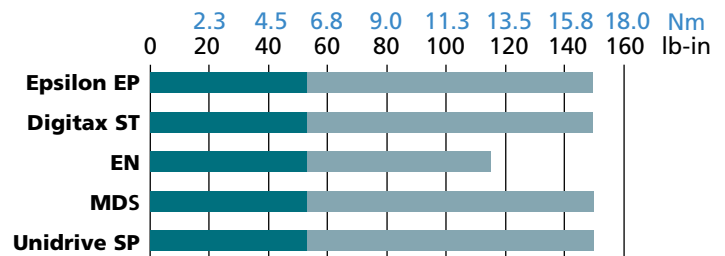
NEW

- Medium inertia options
- NT motors are now available with direct motor to drive connector terminations for Epsilon EP, Unidrive SP & Digitax ST. (These low cost DP/DS solutions are not suitable for all applications.)

NT



Continuous Torque
 Peak Torque



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 ² kg-cm ²	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 ²	kg-cm ²
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