MDM N-Series Technical Data

	Model #	Outline Drawing No	Continuous Stall Torque (1)		Peak Torque (1)		Ke Back emf (2,3)	Torque constant Kt Sine (2,4)		Resistance L-L (2)	Inductance L-L (2)	Inertia (6)		Motor Length (7)	
			lb-in	Nm	lb-in	Nm	Vpeak/Krpm	lb-in/Apeak	Nm/Apeak	OHM	mH	lb-in-sec^2	Kg cm^2	Inch	mm
Rockwell N Series	N-2302-1-F00AA	N/A	1.7	0.2	4.7	0.53	10	0.73	0.082	3.18	4.1	0.000083	0.0938	4.63	118
MDM N-Series	T0601T0104 (5)	33030-004	4.4	0.5	22	2.5	10	0.73	0.082	1.35	1.7	0.00014	0.15593	4.4	112
Rockwell N Series	N2304-1-F00AA	N/A	4.4	0.5	13	1.4	22	1.6	0.18	4.85	8.1	0.000166	0.1875	6.13	156
MDM N-Series	T0601B8100 (5)	33030-004	4.4	0.5	22	2.5	22	1.6	0.18	6.7	8.2	0.00014	0.15593	4.4	112
Rockwell N Series	N-3406-2-H00AA	N/A	6.8	0.77	18.5	2.1	21	1.5	0.17	2.199	6.1	0.0007	0.7969	5.67	144
MDM N-Series	T0851A0109	31030-078	17.7	2	56.6	6.4	20	1.46	0.165	0.36	1.9	0.0021	2.37288	5.8	147
Rockwell N Series	N-3412-2-H00AA	N/A	13.8	1.56	36	4.1	41	3	0.34	2.699	8.601	0.0013	1.4688	6.67	169
MDM N-Series	T0851C0103	31030-078	17.7	2	56.6	6.4	40	2.93	0.33	1.45	7.6	0.0021	2.37288	5.8	147
Rockwell N Series	N-4214-2-H00AA	N/A	18	2	50	5.7	49	3.6	0.41	2.8	11.0	0.0021	2.375	6.85	174
MDM N-Series	T1101D0102	32030-047	43	4.9	106	12	50	3.66	0.413	1.04	5.0	0.0021	2.37288	6.3	160
Rockwell N Series	N-4220-2 H00AA	N/A	26	2.9	63	7.1	34	2.5	0.28	0.8	2.898	0.003	3.5	7.85	199
MDM N-Series	T1101C6100	32030-047	43	4.9	106	12	34	2.5	0.28	0.44	2.3	0.0021	2.37288	6.3	160
Rockwell N Series	N-5630-2-H00AA	N/A	34	3.8	95	10.7	47	3.5	0.38	0.898	4.3	0.008	9.046	7.83	199
MDM N-Series	T1101D3100	32030-050	43	4.9	106	12	47	3.5	0.38	0.87	4.4	0.0021	2.37288	6.3	160
Rockwell N Series	N-5637-2-H00AA	N/A	46	5.2	120	13.5	60	4.4	0.5	1.0	5.19	0.01	11.2969	8.83	224
MDM N-Series	T1102E0103	32030-052	75	8.5	193	21.9	60	4.4	0.5	0.58	3.6	0.0038	4.29379	7.4	188
Rockwell N Series	N-5647-2-H00AA	N/A	53	6	150	17	77	5.6	0.63	1.199	7.0	0.013	14.6875	9.83	250
MDM N-Series	T1102G3100	32030-052	75	8.5	193	21.9	77	5.6	0.63	0.9	5.9	0.0038	4.29379	7.4	188

(1) Specification at 40 degrees C ambient with motor mounted on T0601 and T0851 : 254 mm x 254 mm x 6.35 mm; T1101 & T1102: 304.8 mm x 304.8 mm x 12.7 mm aluminum heat sink

(2) Values @ 25 degrees C ambient

(3) Peak value of sinusoidal phase to phase voltage

(4) Peak value of per phase sine wave amps

(5) Power & feedback connectors are on the flying lead end - not on the motor

(6) Note inertia differences and validate application suitabilty

(7) In general, MDM N-Series is shorter than N-series motors. For cases of installation interference consult factory for custom designed motor with power and feedback connectors at the flying lead end.