

## MDM H-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 (5)		Motor Length (6)	
			lb-in	Nm	lb-in	Nm		Vpeak/Krpm	lb-in/Apeak			Nm/Apeak	OHM	mH	lb-in-sec <sup>2</sup>
Rockwell H-Series	H-2005-K-H00AA	N/A	5	0.7	14	1.6	16	1.17	0.13	2.6	4.1	0.00013	0.000015	7.7	197
MDM H-Series	T0603P0101	33030-026	10.5	1.19	52	5.9	15	1.1	0.124	0.76	1.35	0.00024	2.71E-05	6.38	162
Rockwell H-Series	H-3007-N-H00AA	N/A	7	0.79	22	2.5	34	2.5	0.28		12	0.00027	0.00003	6.77	172
MDM H-Series	T0851C6100	31030-080	16.6	1.88	57	6.4	34	2.5	0.28	1.2	5.7	0.0007	7.35E-05	5.59	142
Rockwell H-Series	H-3016-N-H00AA	N/A	20	2.3	44	5	34	2.5	0.28	1.3	3.4	0.00072	0.00008	8.77	223
MDM H-Series	T0852C6100	31030-081	31	3.5	103	12	34	2.5	0.28	0.49	2.79	0.0012	0.00013	6.73	171
Rockwell H-Series	H-4030-P-H00AA	N/A	30	3.4	73	8.3	60	4.4	0.5	2	9	0.0022	0.00025	8.39	213
MDM H-Series	T1101E0100	32030-057	43.3	4.9	106	12	60	4.4	0.5	1.4	7.2	0.0021	0.000237	6.0	152
Rockwell H-Series	H-4030-M-H00AA	N/A	30	3.4	60	6.8	30	2.2	0.25	0.5	1.9	0.0022	0.00025	8.39	213
MDM H-Series	T1101B0101	32030-057	43.3	4.9	106	12	30	2.2	0.25	0.35	1.8	0.0021	0.000237	6.0	152
Rockwell H-Series	H-4050-P-H00AA	N/A	60	6.8	190	21.5	60	4.4	0.5	0.69	3.3	0.0041	0.00046	10.39	264
MDM H-Series	T1102E0101	32030-022	73.4	8.3	194	21.9	60	4.4	0.5	0.58	3.6	0.0038	0.00043	7.2	183
Rockwell H-Series	H-4075-R-H00AA	N/A	88	9.9	270	31	90	6.6	0.74	0.9	5.4	0.006	0.00068	12.4	315
MDM H-Series	T1103H0100	32030-023	100	11.3	266	30	90	6.6	0.74	0.806	5.4	0.0059	0.00067	8.43	214
Rockwell H-Series	H-6100-Q-H00AA	N/A	110	12.4	290	33	82	6	0.68	0.5	4.4	0.012	0.0014	10.91	277
MDM H-Series	T1402G0100	35030-003	120.7	13.6	420	48	80	5.9	0.66	0.46	3.5	0.01169	0.00132	7.1	180.4
Rockwell H-Series	H-6200-Q-H00AA	N/A	216	24.4	480	54	80	5.9	0.66	0.18	2.2	0.021	0.0024	13.9	353
MDM H-Series	T1405G0100	35030-006	243	27.5	1049	118	80	5.9	0.66	0.14	1.33	0.027	0.00305	10.1	255.4
<b>Rockwell H-Series</b>	<b>H-6300</b>	<b>MDM H-Series NOT AVAILABLE</b>													
	<b>H-8350</b>														
	<b>H-8500</b>														

(1) Specification at 40 degrees C ambient with motor mounted on T0603, T0851 and T0852 : 254 mm x 254 mm x 6.35 mm; T1101, 1102 & T1103: 304.8 mm x 304.8 mm x 12.7 mm; T1402 and T1405: 457 mm x 457 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) Note inertia differences and validate application suitability

(6) In general, CMC MDM H-Series is shorter than Rockwell H-Series motors. For cases of installation interference consult factory for custom designed motor with power and feedback connectors at the factory.

**NOTE: ABS OPTION IS NOT AVAILABLE. DRIVE SOFTWARE ALLOWS FOR ALTERNATE COMMUTATION OPTION.**