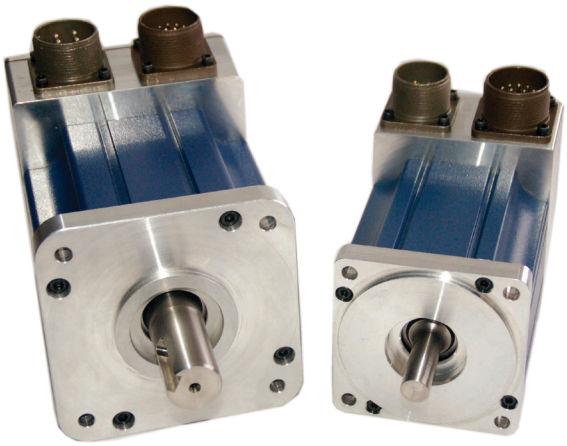
MDM H-Series Product Guide



Flexible, simple, economical drop in replacement for Rockwell H-Series

MDM H-Series Product Guide

This MDM H-Series product line is based upon Torque Systems industry leading MDM technology, which provides energy efficient motor configurations for popular Rockwell H-series frame sizes.

These motor configurations are ideal for use in punch press/material feeding, robotic pick and place, "Smart" conveyor systems, packaging applications, or other high duty cycle applications.

Torque Systems engineers designed the MDM H-Series to effectively replace Rockwell's discontinued H-Series motor product line.

FEATURES:	BENEFITS:
Identical front flange and shaft for all MDM H-Series offerings.	Identical front flanges and shafts is convenient for easy replacement installations
Identical electrical connectors for all MDM H-series offerings	Eliminating "change-out" headaches
Full IP 65 Compliance without shaft seals (Optional shaft seals are available)	Maintains internal integrity in a wet environment
Complete conformance to UL/ CUL and CE Standards across the entire product line	Required industry defined standards conformance in North America
Standard motor-brake feature available across the entire product line	Flexible option convenience for most replacement requirements
Brake current within maximum available system current for all supported configurations	Customers need not modify their designs in anyway to manage brake current issues. Easy Integration!
Optional encoder line counts up to 5,000 ppr available for all configurations	Performance enhancement and feature convenience that allows Torque Systems motors to be incorporated into a broader range of applications

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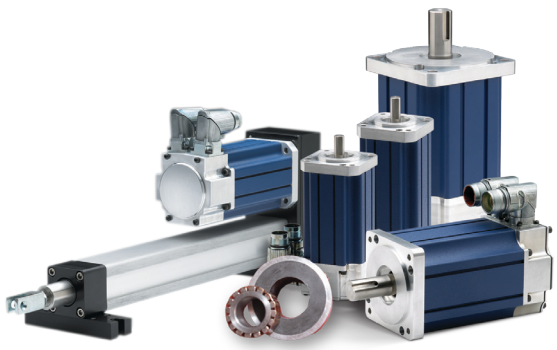
MDM H-Series Technical Data

	Model #	Outline Drawing No	Continuous Stall Torque		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^2	Kg cm^2	Inch	mm
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	0.0000271	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	0.0000735	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	11.6	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	30.5	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	29.8	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	32.8	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	47.5	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	54.2	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
Rockwell H-Series	H-6300 H-8350 H-8500	MDM H-Series NOT AVAILABLE													

(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 and 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 at 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, the Torque Systems 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 flying lead end.

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

For downloadable drawings and comparison charts, visit www.torquesystems.com



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