

STEPPING MOTORS

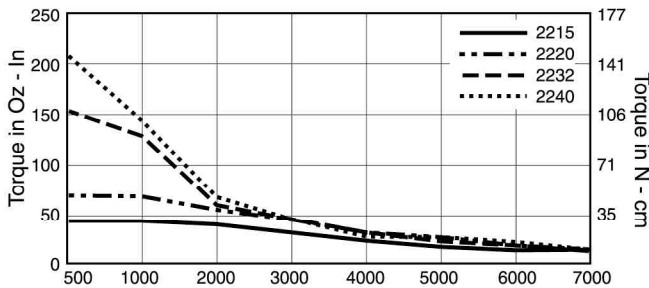


SIZE 23 1.8° HYBRID STEPPING MOTORS

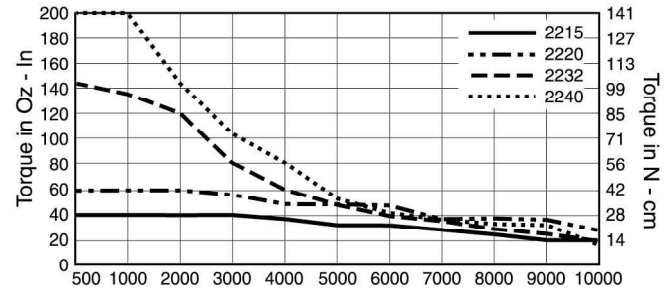
Specifications S=Single Shaft (D=Double Shaft)	Holding Torque oz-in (N-cm)	Phase Current Amps		Number of Leads	Phase Resistance Ohms		Phase Inductance mH		Detent Torque oz-in (N-cm)	Rotor Inertia oz-in-sec ² (kg-cm ²)	Length inches (cm)	Weight oz (gm)
		Series	Parallel		Series	Parallel	Series	Parallel				
M2-2215-S (D)	48 (34)	3.0	6.0	8	0.64	0.160	1.88	0.47	5.0 (3.5)	0.00081 (0.0572)	1.60 (4.064)	14 (396.9)
M2-2220-S (D)	72 (51)	3.0	6.0	8	0.64	0.160	2.56	0.64	8.0 (5.6)	0.00166 (0.1172)	2.00 (5.08)	19 (538.65)
M2-2232-S (D)	150 (106)	3.0	6.0	8	0.86	0.215	4.73	1.18	16.0 (11.3)	0.00331 (0.2337)	3.00 (7.62)	32 (907.2)
M2-2240-S (D)	210 (148)	3.0	6.0	8	1.18	0.295	5.88	1.47	24.0 (17.0)	0.00497 (0.3510)	4.00 (10.16)	47 (1332.45)

TORQUE SPEED CURVES

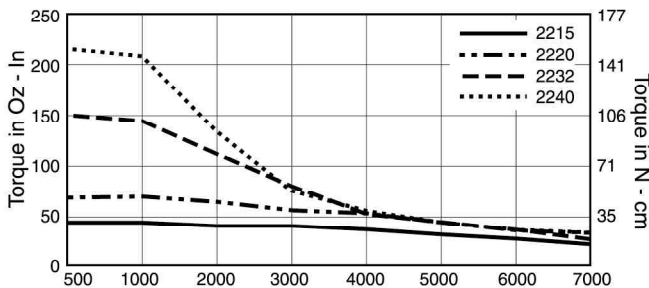
Series: 3 Amps RMS, 24 VDC



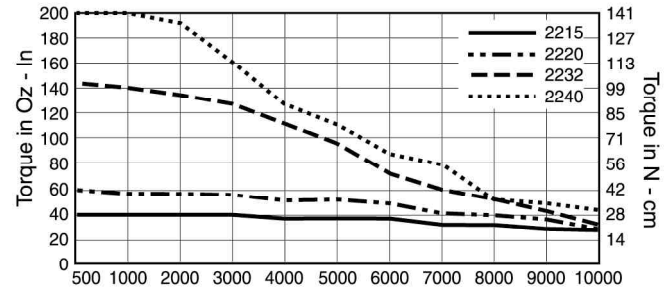
Parallel: 6 Amps RMS, 24 VDC



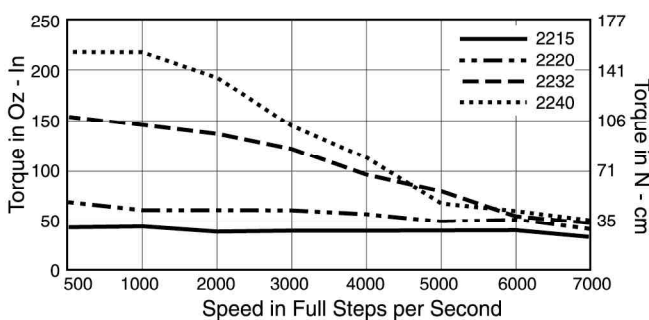
Series: 3 Amps RMS, 45 VDC



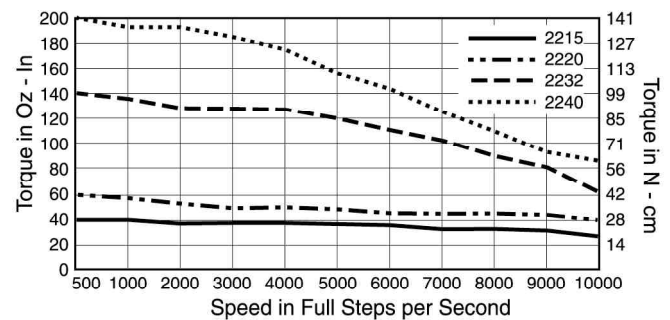
Parallel: 6 Amps RMS, 45 VDC



Series: 3 Amps RMS, 75 VDC



Parallel: 6 Amps RMS, 75 VDC





STEPPING MOTORS

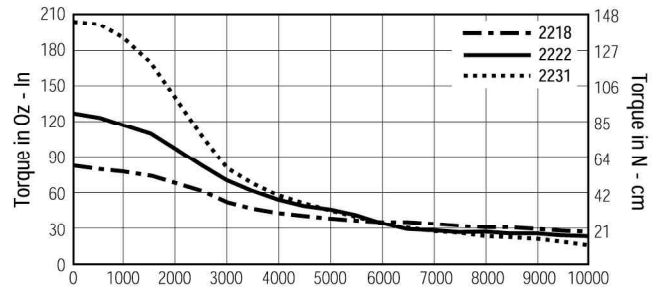
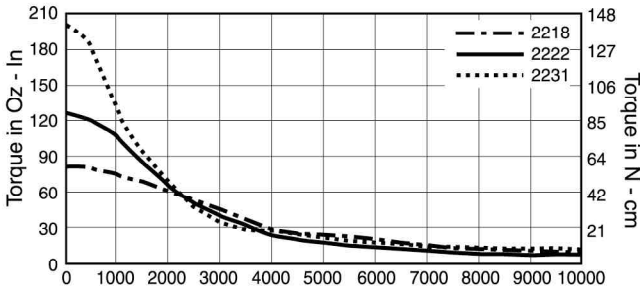
ENHANCED SIZE 23 1.8° HYBRID STEPPING MOTORS

Specifications S=Single Shaft (D=Double Shaft)	Holding Torque oz-in (N-cm)	Phase Current Amps		Number of Leads	Phase Resistance Ohms		Phase Inductance mH		Detent Torque oz-in (N-cm)	Rotor Inertia oz-in-sec ² (kg-cm ²)	Length inches (cm)	Weight oz (gm)
		Series	Parallel		Series	Parallel	Series	Parallel				
MH2-2218-S (D)	100 (71)	3.0	6.0	8	0.64	0.16	1.88	0.47	2.0 (1.41)	0.0020 (0.1412)	1.750 (4.445)	17 (481.9)
MH2-2222-S (D)	150 (106)	3.0	6.0	8	0.76	0.19	2.92	0.73	3.0 (2.12)	0.0035 (0.2472)	2.205 (5.601)	24 (680.4)
MH2-2231-S (D)	250 (177)	3.0	6.0	8	0.92	0.23	4.16	1.04	5.0 (3.53)	0.0061 (0.4308)	3.090 (7.849)	37 (1048.9)

TORQUE SPEED CURVES

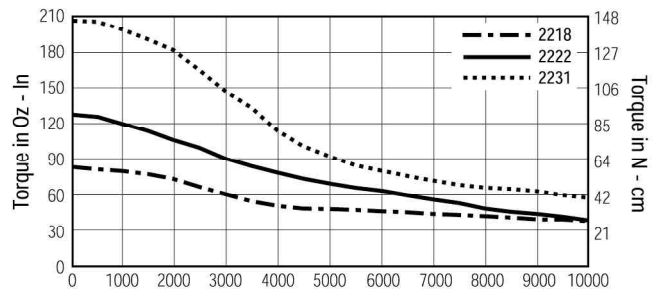
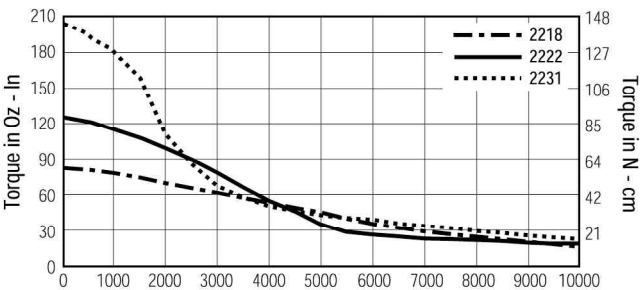
Series: 3 Amps RMS, 24 VDC

Parallel: 6 Amps RMS, 24 VDC



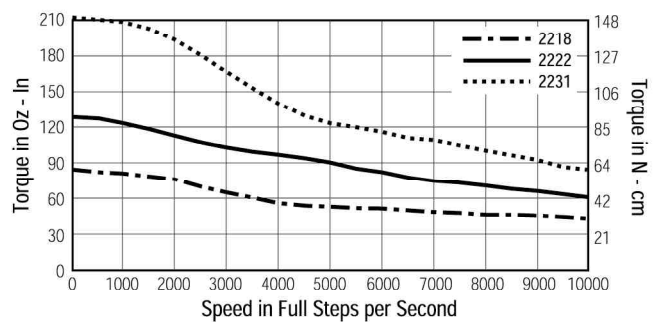
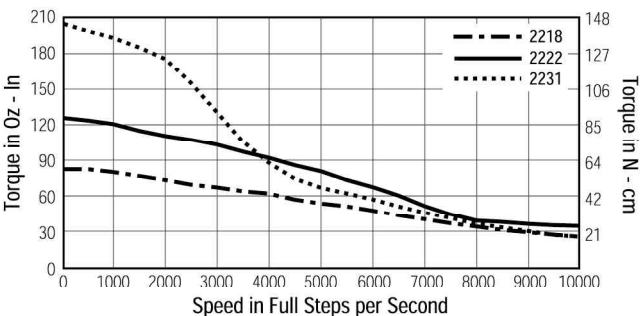
Series: 3 Amps RMS, 45 VDC

Parallel: 6 Amps RMS, 45 VDC



Series: 3 Amps RMS, 75 VDC

Parallel: 6 Amps RMS, 75 VDC



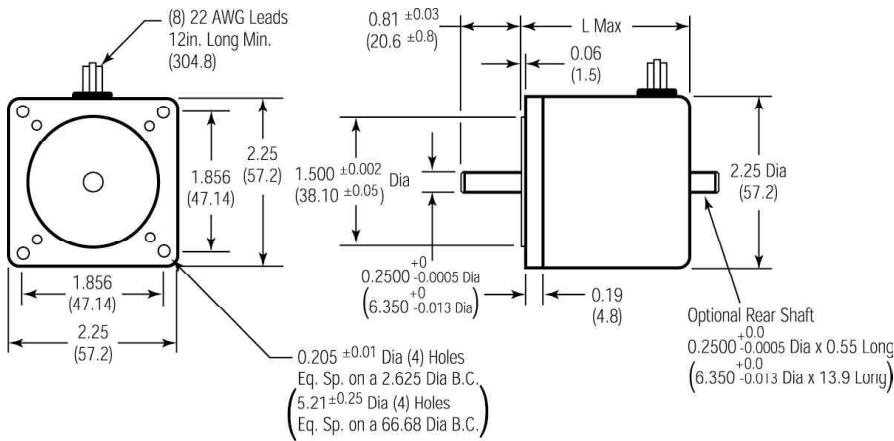
STEPPING MOTORS



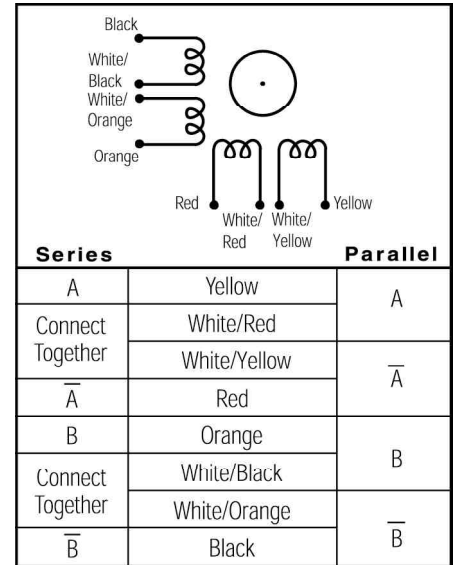
SIZE 23 1.8° HYBRID STEPPING MOTORS

MECHANICAL

Dimensions in Inches (mm)

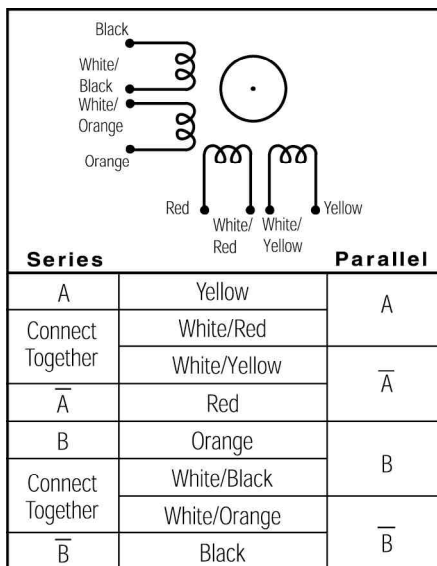


CONNECTION



ENHANCED SIZE 23 1.8° HYBRID STEPPING MOTORS

CONNECTION



MECHANICAL

Dimensions in Inches (mm)

