

# The Motion Group Motor Catalog 2013 : Popular Motors (excerpt)

The Motion Group Phone: 1-800-424-STEP Fax: 559-325-7117 www.motiongroup.com										
Family	Part Number	NEMA Size	Step Angle (Deg)	Steps per Rev	Torque (oz-in)	Current (A)	Resistance (Ohms)	Target Application	Advantages	
Miniature	08M200HT-0.6F	8	1.8	200	3	0.6	6.5	Optics and Instrumentation	Miniature size	
Miniature	08L200HT-0.8F	8	1.8	200	4	0.8	5.4	Optics and Instrumentation	Miniature size	
Gold Line	17Z400GL-0.5F	17	0.9	400	3	0.5	4.1	Optics and Instrumentation	Compact size Low power	
Gold Line	17Y400GL-0.6F	17	0.9	400	6	0.6	5.0	Optics and Instrumentation	Compact size Low power	
Gold Line	17X400GL-0.6F	17	0.9	400	7	0.6	5.0	Optics and Instrumentation	Compact size Low power	
Gold Line	17V400GL-1.2F	17	0.9	400	15	1.2	3.0	Optics and Instrumentation	Compact size Low power	
Gold Line	17R400GL-0.8F	17	0.9	400	22	0.8	6.5	Optics and Instrumentation	Compact size Low power	
Slim Line	17Y400SL-0.7F	17	0.9	400	6	0.7	3.0	Optics and Instrumentation	Compact size Low power	
Slim Line	17Y400SL-0.1F	17	0.9	400	6	0.1	50.0	Optics and Instrumentation	Compact size Low power	
Slim Line	17X400SL-0.6F	17	0.9	400	8.4	0.6	5.4	Optics and Instrumentation	Compact size Low power	
Slim Line	17X400SL-0.16F	17	0.9	400	8.4	0.2	68.0	Optics and Instrumentation	Compact size Low power	
High Torque	17S200HT-0.95	17	1.8	200	30	1.0	5.0	Benchtop Machining Instrumentation & 3D Printers	High torque small package	
High Torque	17M200HT-1.0	17	1.8	200	45	1.0	5.4	Benchtop Machining Instrumentation & 3D Printers	High torque small package	
High Torque	17L200HT-1.5	17	1.8	200	65	1.5	2.6	Benchtop Machining Instrumentation & 3D Printers	High torque small package	
Super Accuracy	23X800HT-1.8	23	0.45	800	75	1.8	2.0	Precision Instrumentation Benchtop Machining	Best smoothness accuracy and power	
Super Accuracy	23M800HT-1.8	23	0.45	800	140	1.8	3.0	Precision Instrumentation Benchtop Machining	Best smoothness accuracy and power	
High Accuracy - High Torque	23X400HT-2.0	23	0.9	400	70	2.0	1.5	Precision Instrumentation Benchtop Machining	Smooth Fast Powerful Cost-effective	
High Accuracy - High Torque	23M400HT-4.2P	23	0.9	400	175	4.2	0.4	Precision Instrumentation Benchtop Machining	Smooth Fast Powerful Cost-effective	
High Accuracy - High Torque	23L400HT-2.0	23	0.9	400	188	2.0	2.3	Precision Instrumentation Benchtop Machining	Smooth Fast Powerful Cost-effective	
High Torque	23X200HT-2.0	23	1.8	200	72	2.0	1.4	Benchtop CNC and engraving	Powerful Cost-effective	
High Torque	23M200HT-2.0	23	1.8	200	130	2.0	1.8	Benchtop CNC and engraving	Powerful Cost-effective	
High Torque	23L200HT-2.0	23	1.8	200	210	2.0	2.3	Benchtop CNC and engraving	Powerful Cost-effective	
High Torque	23L200HT-4.2P	23	1.8	200	294	4.2	0.6	Benchtop CNC and engraving	Powerful Cost-effective	
Standard	23S200ST-1.0	23	1.8	200	60	1.0	4.7	Benchtop CNC Scientific Process Automation	High Speed	
Standard	23M200ST-1.2	23	1.8	200	84	1.2	4.7	Benchtop CNC Scientific Process Automation	High Speed	
Standard	23M200ST-2.2	23	1.8	200	84	2.2	1.4	Benchtop CNC Scientific Process Automation	High Speed	
Standard	23L200ST-1.6	23	1.8	200	125	1.6	2.6	Benchtop CNC Scientific Process Automation	High Speed	
High Torque	34S200HT-2.0E	34	1.8	200	310	2.0	2.3	CNC Machining Medium duty machine automation	High Torque	
High Torque	34S200HT-4.2P	34	1.8	200	434	4.2	0.5	CNC Machining Medium duty machine automation	High Torque	
High Torque	34M200HT-4.2P	34	1.8	200	860	4.2	0.6	CNC Machining Medium duty machine automation	High Torque	
High Torque	34L200HT-4.5E	34	1.8	200	920	4.5	1.0	CNC Machining Medium duty machine automation	High Torque	
High Torque	34L200HT-6.3P	34	1.8	200	1288	6.3	0.5	CNC Machining Medium duty machine automation	High Torque	
Standard	34S200ST-4.5E	34	1.8	200	180	4.5	0.4	High-speed CNC machining	High Speed	
Standard	34M200ST-4.3E	34	1.8	200	350	4.3	0.4	High-speed CNC machining	High Speed	
Standard	42M200ST-4.0	42	1.8	200	1530	4.0	1.0	Large CNC and machine automation	Extreme Torque	
Standard	42L200ST-4.0	42	1.8	200	2195	4.0	1.4	Large CNC and machine automation	Extreme Torque	
Standard	42L200ST-6.0	42	1.8	200	2690	6.0	0.6	Large CNC and machine automation	Extreme Torque	