

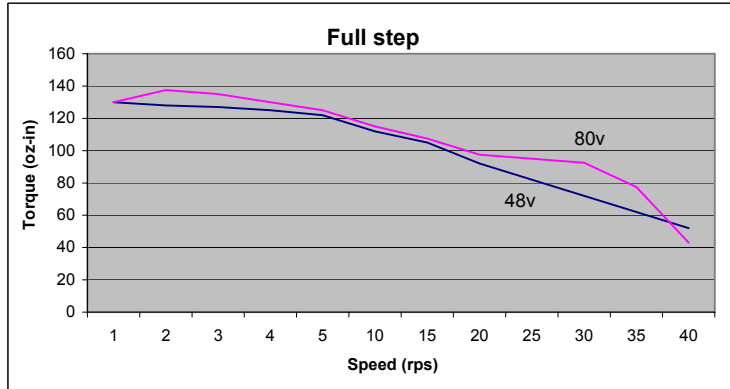


Motor/ Drive torque speed test data

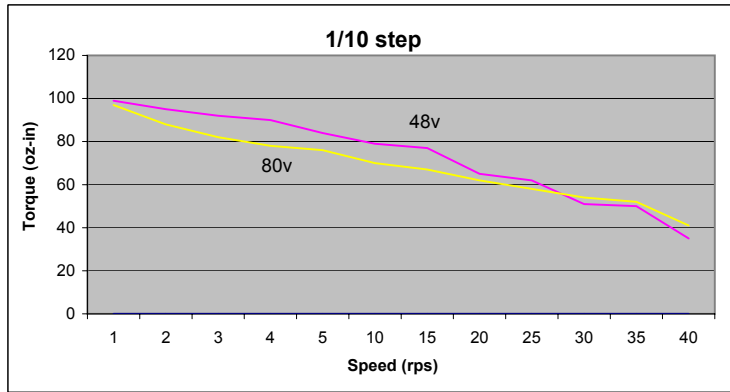
Drive	7080
Motor	HT23-398
Current	4.2A
Connection	Parallel
Voltages	48v
Resolutions	Full/2000

Test Parameters	
Test Date	9/15/2003
Test Rig	Magtrol
Other	

Resolution	Full		
Speed (rps)	Torque (oz-in)		
Voltage	24V	48V	80V
1	0	130	130
2	0	128	137.5
3	0	127	135
4	0	125	130
5	0	122	125
10	0	112	115
15	0	105	107.5
20	0	92	97.5
25	0	82	95
30	0	72	92.5
35	0	62	77.5
40	0	52	43



Resolution	2000		
Speed (rps)	Torque (oz-in)		
Voltage	24V	48V	80V
1	0	99	97
2	0	95	88
3	0	92	82
4	0	90	78
5	0	84	76
10	0	79	70
15	0	77	67
20	0	65	62
25	0	62	58
30	0	51	54
35	0	50	52
40	0	35	41



NOTE

Information for these curves is derived from physical tests on a dynamometer with the selected motor and drive. Curves indicate the point at which the motor stalls and may not show system resonances. When selecting a motor customers should allow a suitable safety margin.

Performance is application dependant and will vary with different mechanical arrangements. Mounting and ambient temperature will also effect thermal characteristics and thus modify the motors ability to deliver the stated torque continuously.