

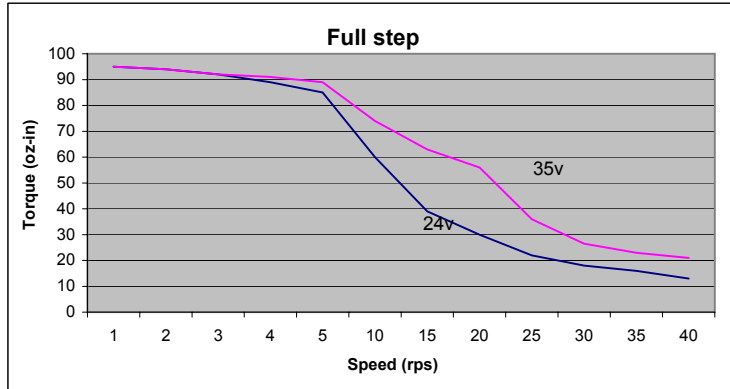


Motor/ Drive torque speed test data

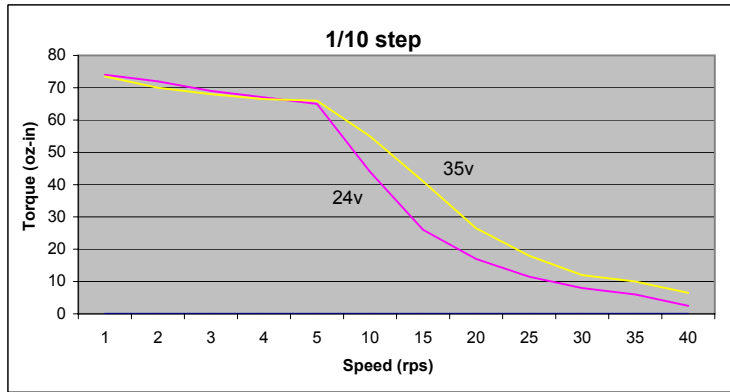
Drive	2035XD
Motor	HT23-397
Current	2.0A
Connection	Parallel
Voltages	24-35v
Resolutions	Full/2000

Test Parameters	
Test Date	9/18/2003
Test Rig	Magtrol 1-100
Other	

Resolution	Full		
Speed (rps)	Torque (oz-in)		
Voltage	0V	24V	35V
1	0	95	95
2	0	94	94
3	0	92	92
4	0	89	91
5	0	85	89
10	0	60	74
15	0	39	63
20	0	30	56
25	0	22	36
30	0	18	26.5
35	0	16	23
40	0	13	21



Resolution	2000		
Speed (rps)	Torque (oz-in)		
Voltage	0	24V	35V
1	0	74	73.5
2	0	72	70
3	0	69	68
4	0	67	66.5
5	0	65	66
10	0	44	55
15	0	26	41
20	0	17	26.5
25	0	11.5	18
30	0	8	12
35	0	6	10
40	0	2.5	6.5



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.