

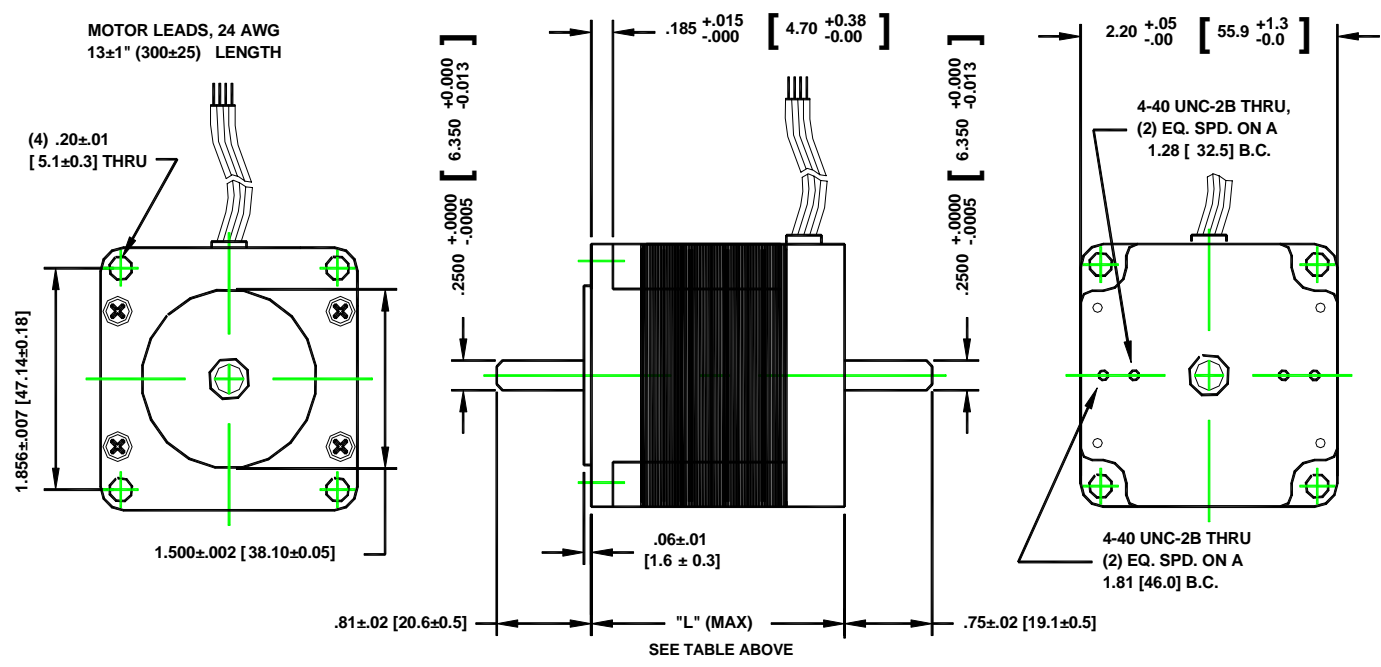
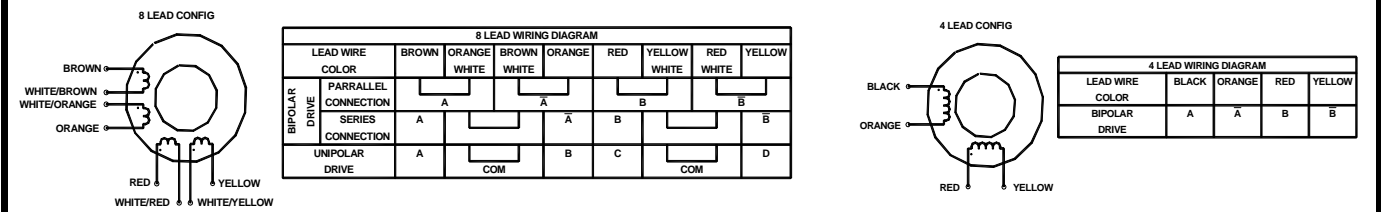
LK45 High Performance Step Motor

- 2.20 Inch Square (56mm) NEMA 23 Motor
- High Torque per Volume w/ High Stepping Rate
- Multiple Winding Configuration for Unipolar and Bipolar connections
- 1.8 Degree Step Angle (200 Full Steps / Rev)
- Ideal for 1/2 Step and Microstepping
- Single and Double Shaft (Encoder Ready) Configurations
- Nema Class B Insulation
- Optional Encoders and NEMA 23 "Bolt On" Brakes & Gearheads

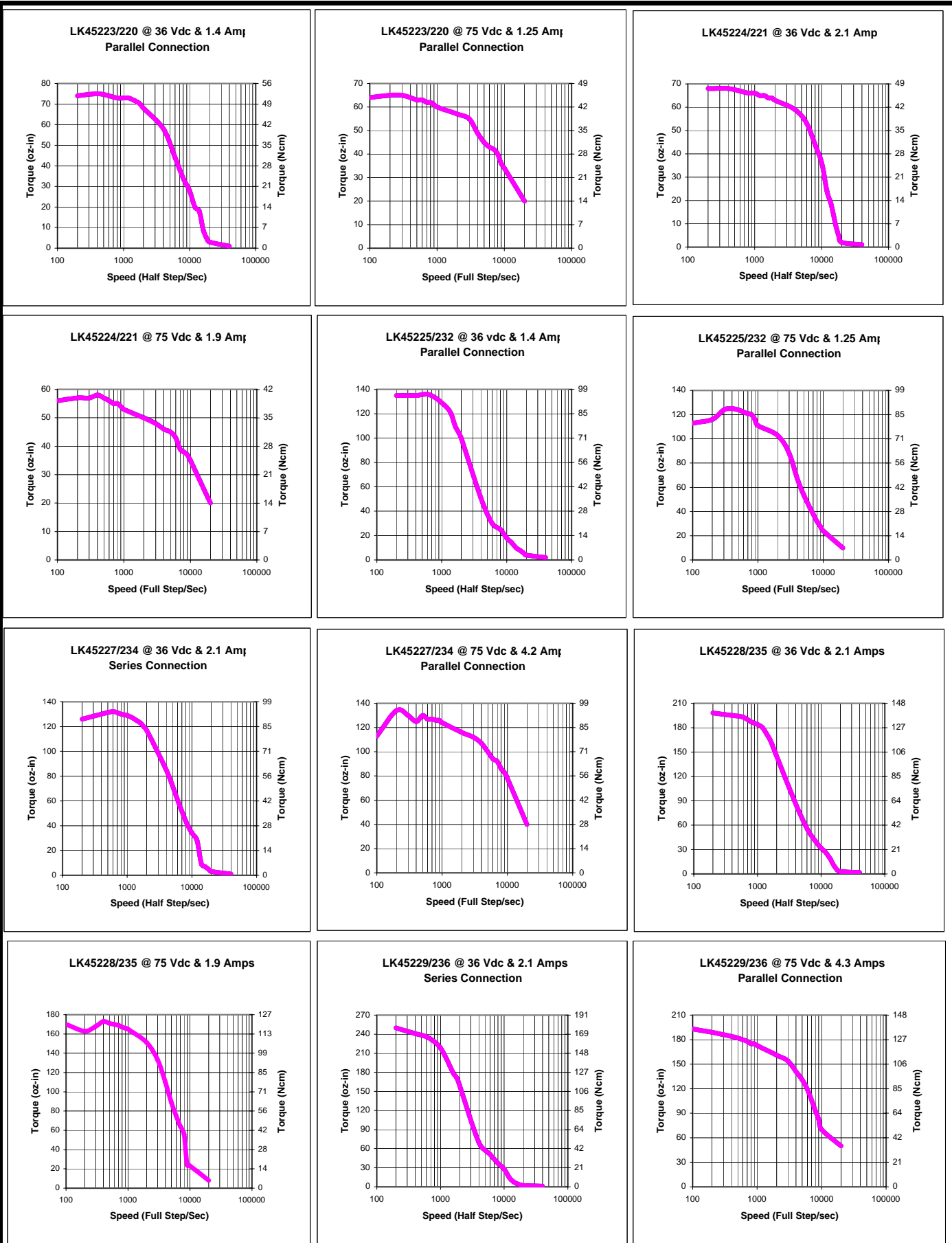


Catalog Number		Number of Leads	Phase Connection Types	Holding Torque		Voltage / phase	Current Rated / ph	Phase Res.	Phase Ind.	Inertia		Weight		Length	
Double	Single			2 Phases On	Th - Minimum					Vt	Ip	Rt	L	Jm	W
				Ncm	oz-in	Vdc	Amps DC	Ohms	mH	g-cm ²	oz-in-s ²	kg	lb	mm	inch
LK 45 220	LK 45 223	8	Parallel Series Unipolar	54 54 38	76 76 54	3.3 6.5 4.6	1.4 0.7 1.0	2.30 9.20 4.60	4.6 18.4 4.6	77	0.00109	0.5	1.10	41	1.61
LK 45 221	LK 45 224	4	4 lead	54	76	2.2	2.2	1.00	2.1	77	0.00109	0.5	1.10	41	1.61
LK 45 232	LK 45 225	8	Parallel Series Unipolar	111 111 78	157 157 110	4.4 8.8 6.2	1.4 0.7 1.0	3.10 12.40 6.20	8.8 35.2 8.8	220	0.00312	0.7	1.54	55	2.17
LK 45 234	LK 45227	8	Parallel Series Unipolar	111 111 78	157 157 110	1.5 3.0 2.1	4.2 2.1 3.0	0.35 1.40 0.70	0.9 3.6 0.9	220	0.00312	0.7	1.54	55	2.17
LK 45 235	LK 45228	4	4 lead	182	258	4.2	2.1	2.00	6.5	340	0.00482	1.0	2.20	77	3.03
LK 45 236	LK 45 229	8	Parallel Series Unipolar	182 182 128	258 258 181	2.3 4.7 3.3	4.2 2.1 3.0	0.55 2.20 1.10	1.7 6.8 1.7	340	0.00482	1.0	2.20	77	3.03

Notes: 1) Max. Terminal Voltage = 90 Vdc 2) -20 to 50 Degree C ambient operating Temperature 3) +/- 5% non-cumulative step accuracy



Speed Torque Performance Curves



Curves: System performance may differ depending on the drive capability.