

# COMMERCIAL MOVING-MAGNET GALVO SCANNERS

## PERFORMANCE COMPARISON

Manufacturer	Equipment Solutions					Cambridge Technology			General Scanning		
SPECIFICATIONS	UNITS	LBS4124	LBS6128	LBS6124	LBS6324	6860	6870	6880	M1	M2	M3
Torque Constant 'K <sub>t</sub> '	x10 <sup>5</sup> Dyne-cm/amp/coil	0.8	2.20	2.48	4.8	0.93	1.8	2.54	0.80	2.30	5.00
Rotor Inertia 'J'	gm cm <sup>2</sup>	0.42	0.98	1.39	2.3	0.6	2.0	6.4	0.5	1.7	5.0
Rated Angle 'θ'	deg	±20	±20	±20	±25	±20	±20	±20	±30	±30	±30
Coil Resistance 'R'	ohms	1.35	0.80	0.90	2.0	1.5	1.4	1.0	3.2	4.5	4.8
Coil Inductance 'L'	μH	320	350	350	610	160	275	280	230	620	1200
Current Peak 'I <sub>p</sub> '	amp	25	25	25	25	25	25	25	25	25	10
Thermal Resistance Coil to Case deg 'T <sub>c</sub> ' c/watt	°C/watt	1.0	1.0	1.0	1.0	1.5	1.0	0.75	3.5	2.5	1.4
Maximum Acceleration at Peak Current (no load)	x10 <sup>6</sup> radians / sec <sup>2</sup>	4.80	5.60	4.45	5.22	3.87	2.25	2.00	4.00	3.37	1.00

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