

Appendix D

Laboratory Values

Inland Motor RBE(H) 1506 Brushless DC Motor

Design Voltage	24 Volts
Stall Current	18.5 Amps
Peak Torque	620 Oz-In
Back EMF	0.236 Volt-sec/rad
Torque Constant (K_{τ})	0.236 N-m/amp
Max Power	395 Watts
Max Current	17.6 Amps
Max Voltage	22.4 Volts
Max Torque	590 Oz-In

Lucas Schaevitz 005 MHR Series LVDT

Nominal Linear Range	+/- 0.125 mm
Sensitivity	2.969 mV/V/0.001"
Excitation Frequency	10200 Hz
Excitation Amplitude	2 Volts peak