

Peak Torque, $T_p$	oz-in	15
Motor Constant, $K_M$	oz-in / W	0.731
Number of Poles		14
Weight	oz (nom)	9.0
Motor Inertia, $J_M$	oz-in-s <sup>2</sup>	4.40x10 <sup>-3</sup>
Friction Torque, $T_f$	oz-in	0.50
Electrical Time Constant, $T_E$	ms	1.6
Mechanical Time Constant, $T_M$	ms	6.1
Temperature Rise, TPR	°C / W	1.2
Ripple Torque, $T_R$	max. avg. to peak (%)	6

### MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, $K_T$	oz-in / amp	1.15
Back EMF, $K_E$	V per rad/s	1.56
Terminal Resistance, $R_M$	ohms (nom)	2.49
Terminal Inductance, $L_M$	mH (nom)	4.1
Voltage, Stalled at Peak Torque, $V_p$	volts	32.4
Amps at Peak Torque, $I_p$	amps	13.0