

MOTOR TEST RESULTS

NPC-T74

Data Date: 7/5/2012

Report Date: 7/11/2012

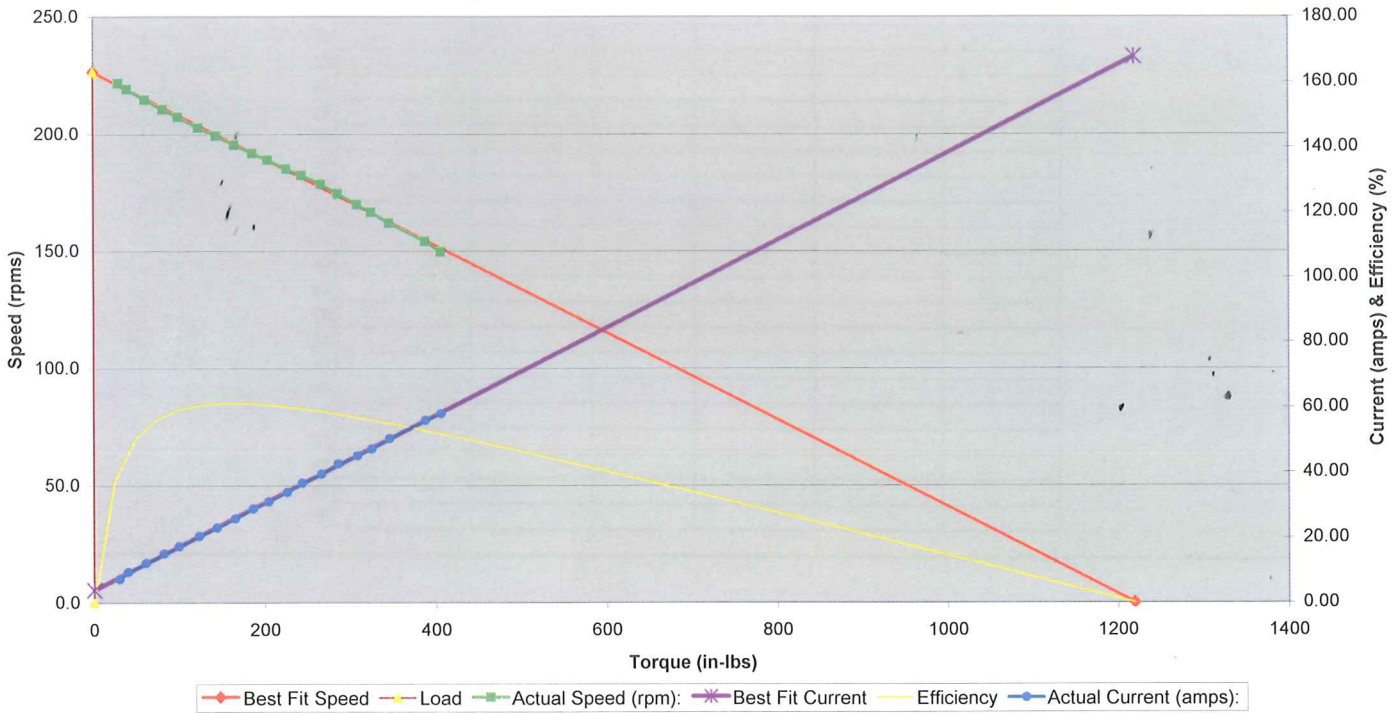
Motor Constant Summary Table

Motor Test Voltage	24 Vdc	
Torque Constant: Kt	119.073	In.Oz./A
Voltage Constant: Ke	88.047	Volts/KRPM
Back EMF Constant: Kb	0.8408	Volts/rad/s
Polar Moment of Inertia: Jm	0.0000	In.Oz.s^2
Mechanical Time Constant: Tm	0.0000	milliseconds
Electrical Time Constant: Te	0.4633	milliseconds
Armature Resistance: Ra	0.052	ohms
Terminal Resistance: Rt	0.15	ohms
Terminal Inductance: La	0.0695	mH

Estimated Operating Data Using Constants

At Load Torque of	0	in-lbs
Load Speed	226.3	rpm
Load Current	3.84	amps
Load Power Out	0.0	watts
Load Horsepower	0.00	hp
Efficiency at Load	0.0%	0
Stall Torque	1219	in-lbs
Stall Current	167.7	amps
Peak Horsepower	1.09	hp
No-Load Speed	226.3	rpm
No-Load Current	3.84	amps

Motor Curves



Notes: