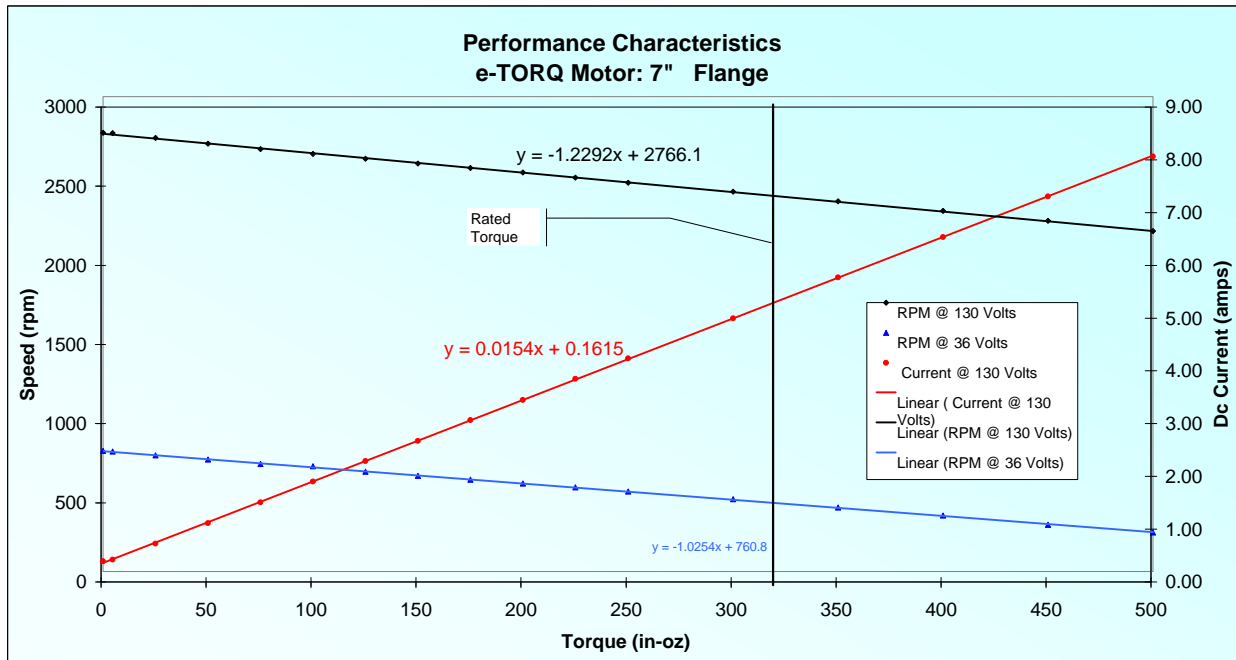


Standard 7-inch Motor Ratings and Performance Characteristics - 170VDC Winding



Electrical Parameters	Symbol	Value	Metric Unit	Value	English Unit
Torque Constant	K_t	0.486	N*m/A _{rms}	4.30	lb*in/A _{rms}
Voltage Constant	K_e	0.479	V/(radian/sec)	50.16	V/kRPM
Motor Inductance (L-L)	L_m	1.4	mH		
Motor Resistance (L-L)	R_m	3.2	ohm		
Motor Power	P_{out}	710	W		
Motor Efficiency	η	84	%		
Maximum Speed	n_{max}	6000	RPM		
Rated Speed	n	2500	RPM		
Continuous Output Torque	T_c	2.26	N*m	20.00	in*lb
Phase Current	I_m	5.00	A _{rms}		
Thermal Resistance	R_{th}	0.64	C/W		
Winding Configuration	3-Phase Wye				
Mechanical Parameters					
Rotor Inertia		5.246E-03	kg*m ²	0.743	oz*in*sec ²
Dimensions LxW		180.98	mm	7.125	in
Length (motor only)		104.775	mm	4.125	in



Bodine Type: 07EKEP11-IP, STR# 60202320

