TYPE 32 BRUSHLESS PERMANENT MAGNET MOTOR

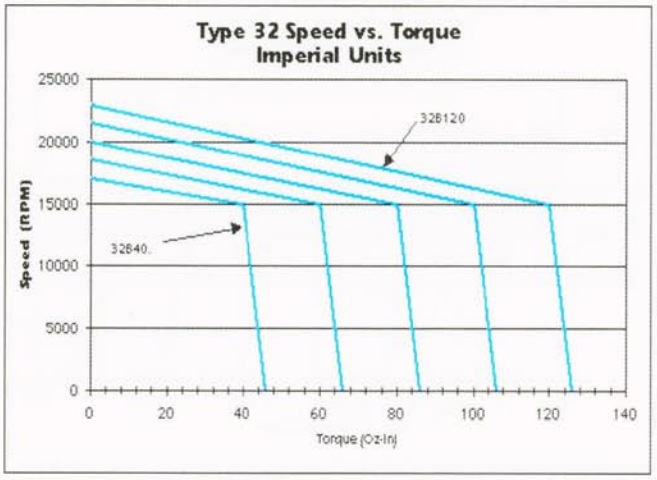
PERFORMANCE AT +25° C UNIT TEMPERATURE

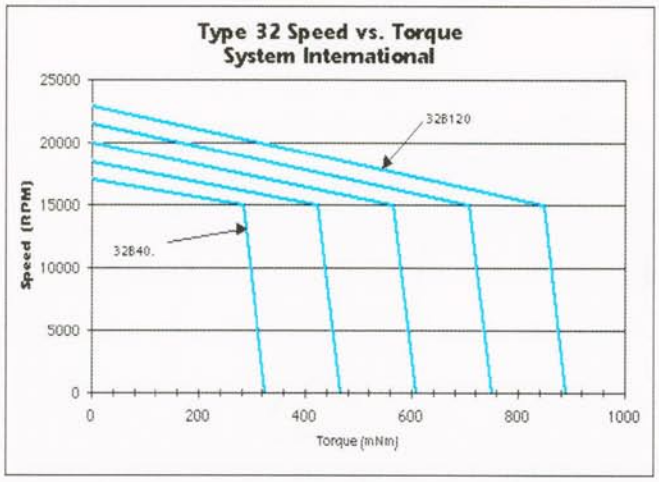
Km=14

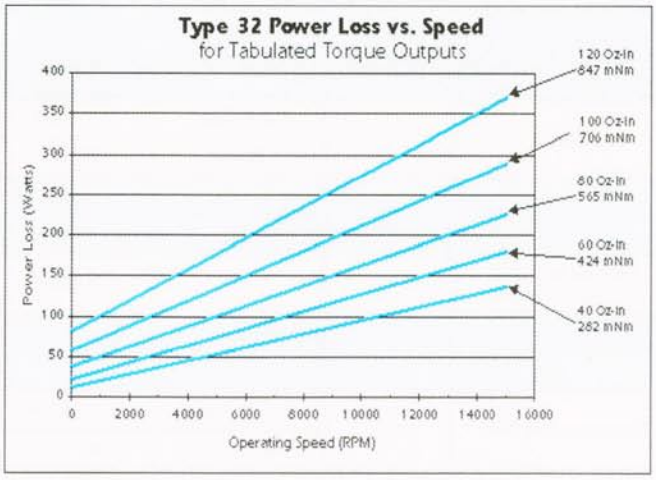
MOTOR TYPE	DATA AT MAXIMUM POWER OUTPUT					DATA AT STALL			NO LOAD SPEED	TORQUE CONSTANT	
	MOTOR TORQUE		MOTOR SPEED	POWER OUTPUT	POWER LOSS	MOTOR TORQUE		POWER LOSS		270 VOLT SUPPLY (SEE NOTE 3)	
	Oz-In	mNm	RPM	WATTS	WATTS	Oz-In	mNm	Watts	RPM	Oz-In/Amp	mNm/Amp
32B40.	40	282	15000	444	136	46	325	11	17000	19.22	136
32B60.	60	424	15000	667	180	66	466	22	18000	18.6	131
32B80.	80	565	15000	888	225	886	607	37	19000	17.3	122
32B100	100	706	15000	1109	290	106	748	57	21000	26.5	117
32B120	120	847	15000	1331	370	126	890	81	23000	15.4	109

Notes:

1. Other performance characteristics are available on request.
2. Two phase or three phase windings as required.
3. To determine torque constant at other supply voltages, multiply the tabulated torque constant by your operational voltage, then divide this figure by 270.
4. Unit operational temperature range: -80° C to +225° C. Wider temperature ranges available.
5. See pages 14 through 17 for motor temperature rise data.







TYPE 32 CONSTANTS
(@ 25° C - For Reference Only)

Parameter	Symbol	Units	Value
Inertia	J_M	Oz-In-sec^2	9.6 E-04
		kgm^2	6.7 E-06
Motor Constant	K_M	Oz-In/w $^{.5}$	14
		mNm/w $^{.5}$	99
Electrical Time Constant (L/R)	τ_e	sec	2.0 E-03
Coulomb Friction	F_c	Oz-In	2.0
		mNm	14
Viscous Friction	B_v	Oz-In/rpm	4.0 E-04
		mNm/rpm	2.8 E-03