

Motor Winding			TT 2032	TT 2033
Basic Motor Constants	Symbol	Units	A	A
Power	P	Hp kW	0.27 0.2	0.36 0.27
Max Speed	Nmax	rpm	6,000	6,000
Cont. Torque (stall) @ 40°C ambient	Tc	oz.in	65	97
		Nm	0.46	0.68
Current @ Cont. Torque	Ic	A	4.5	4.5
Peak Torque	Tp	oz.in	270	400
		Nm	1.91	2.82
Current @ Peak Torque	Ip	A	20.7	20.7
Max Terminal Voltage	Vmax	V	90	120
Torque Const.	KT	oz.in/A	14.5	21.8
		Nm/A	0.103	0.154
Back EMF Const	Ke	V/krpm	10.7	16.1
DC Resistance	R	Ω	2.2	1.8
Inductance	L	mH	2	1.9
Rotor Inertia	JM	oz.in.sec ²	0.015	0.02
		kgm ²	0.9x10 ⁻⁴	1.4x10 ⁻⁴
Weight	WT	lb	5.3	6.4
		kg	2.4	2.9
Static Friction	TF	oz.in	4	5.7
		Nm	0.03	0.04
Viscous Damping	F1	oz.in/krpm	0.7	1.4
		Nm/krpm	0.005	0.01
Tachogenerator Option				
Tachogenerator Model			TGF 1568A	TGF 1568A
Voltage	KG	V/krpm	7.0	7.0
Ripple (pk-pk/avg)		% (pk-pk/avg)	3%	3%
DC Resistance	RG	Ω	43	43
Inductance	LG	mH	25	25