Parameter	Unit	MT40 P4-76	MT40 P4-61	MT40 P4-38	MT40 W4-90	MT40 W4-68	MT40 W4-45	MT40 ZD4-90	MT40 ZD4-60	MT40 ZD4-45
Voltage gradient no load	volts/krpm	76	61	38	90	68	45	90	60	45
Max.terminal voltage	volts	180	180	180	180	180	180	180	180	180
Max. Speed	RPM	2400	3000	4000	2000	2600	4000	2000	3000	4000
Continuous stall torque TENV	Nm	6	6	6	8.5	8.5	8.5	11	11	11
	lb-in	53	53	53	75	75	75	97	97	97
Peak Stall Torque	Nm	34	34	34	50	50	50	66	66	66
	lb-in	300	300	300	440	440	440	580	580	580
Continuous stall current (rms)	Amps	8.7	11	17	10	13	20	13.5	20	26
Rotor Polar Moment of Inertia	Kg.m²	0.0077	0.0077	0.0077	0.011	0.011	0.011	0.014	0.014	0.014
	lb-in Sec²	0.068	0.068	0.068	0.094	0.094	0.094	0.13	0.13	0.13
Voltage constant Kv	volts sec rad-1	0.69	0.55	0.345	0.85	0.64	0.42	0.85	0.55	0.41
Torque constant Kt (line-line)	Nm/Amp	0.69	0.55	0.35	0.85	0.85	0.85	0.82	0.55	0.41
	lb-in/Amp	6.1	4.9	3.1	7.5	7.5	7.5	7.5	4.8	3.6
Armature resistance	Ohms	1.0	0.6	0.25	0.8	0.47	0.2	0.56	0.25	0.15
Armature inductance	Millihenrys	4.5	3.0	1.2	6.0	3.3	1.2	4.0	1.8	1.0
Mechanical time constant	Milliseconds	19	18	20	14	17	17	14	16	17
Thermal time constant	Minutes	90	90	90	100	100	100	100	100	100
Static friction torque	Nm	0.23	0.23	0.23	0.23	0.23	0.23	0.25	0.25	0.25
	lb-in									
Motor weight	Kg	17.5	17.5	17.5	21.5	21.5	21.5	26	26	26
	lb	38.5	38.5	38.5	47	47	47	57	57	57
Tachometer										
Voltage gradient	volts/krpm	9.5	9.5	7	9.5	7	7	9.5	7	7
Ripple	%	1	1	1	1	1	1	1	1	1
	cycles/rev	14	25	25	14	25	25	14	25	25
Armature resistance	Ohms	36	36	24	36	24	24	36	24	24
Armature inductance	Millihenrys	55	55	36	55	36	36	55	36	36
Maximum current	Amps	0.025	0.025	0.035	0.025	0.035	0.035	0.025	0.035	0.035