

Parameter	Unit	HJ96 C6-44	HJ96 C6-64	HJ96 C6-88	HJ96 C6-130	HJ96 G6-44	HJ96 G6-64	HJ96 G6-88	HJ96 G6-130
Voltage Gradient no Load	volts/krpm	44	64	88	130	44	64	88	130
Max.Motor EMF	line-line volts	260	380	530	700	260	380	530	700
Max. Speed	RPM	6000	6000	6000	5400	6000	6000	6000	5400
Continuous Stall Torque TENV	Nm	3	3	3	3	5.5	5.5	5.5	5.5
	lb-in	27	27	27	27	49	49	49	49
Peak Stall Torque	Nm	11	11	11	11	22	22	22	22
	lb-in	97	97	97	97	190	190	190	190
Continuous Stall Current RMS	Amps	5.8	4	2.9	2	10.7	7.3	5.3	3.6
Rotor Polar Moment of Inertia	Kg.cm ²	3.3	3.3	3.3	3.3	6.3	6.3	6.3	6.3
(Inclusive of Resolver Inertia)	lb-in Sec ²	0.0029	0.0029	0.0029	0.0029	0.0056	0.0056	0.0056	0.0056
Cogging Torque	Nm	0.088	0.088	0.088	0.088	0.16	0.16	0.16	0.16
	lb-in	0.78	0.78	0.78	0.78	1.4	1.4	1.4	1.4
Torque constant Kt (line-line)	Nm/Amp	0.51	0.75	1.03	1.5	0.51	0.75	1.03	1.5
	lb-in/Amp	4.6	6.6	9.1	1.35	4.6	6.6	9.1	1.35
Resistance (line-line)	Ohms	1.6	3.2	6.8	15	0.58	1.16	2.4	5.5
Inductance (line-line)	Millihenrys	3.5	7.2	14	32	1.6	3.3	6.4	14
Insulation Class		F	F	F	F	F	F	F	F
Max. Ambient Temperature	°C	40	40	40	40	40	40	40	40
	°F	104	104	104	104	104	104	104	104
Thermal Time Constant	Minutes	50	50	50	50	70	70	70	70
Thermal Resistance	°C/Watt	0.99	0.99	0.99	0.99	0.78	0.78	0.78	0.78
	°F/Watt	1.8	1.8	1.8	1.8	1.4	1.4	1.4	1.4
Static Friction Torque	Nm	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	lb-in	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Motor Weight	Kg	5	5	5	5	7.2	7.2	7.2	7.2
	lb	11	11	11	11	16	16	16	16