Parameter	Unit	HR55 A4-44	HR55 A4-32	HR55 A4-22	HR55 C4-44	HR55 C4-32	HR55 C4-22	HR55 G4-44	HR55 G4-32	HR55 G4-22
Voltage gradient no load	volts/krpm	44	32	22	44	32	22	44	32	22
Max.Motor EMF	line-line volts	350	260	180	350	260	180	350	260	180
Max. Speed	RPM	8000	8000	8000	8000	8000	8000	8000	8000	8000
Continuous stall torque TENV	Nm	0.2	0.2	0.2	0.4	0.4	0.4	0.8	0.8	0.8
	lb-in	1.8	1.8	1.8	3.5	3.5	3.5	7.1	7.1	7.1
Peak Stall Torque	Nm	0.74	0.74	0.74	1.4	1.4	1.4	3.0	3.0	3.0
	lb-in	6.5	6.5	6.5	12.7	12.7	12.7	26	26	26
Continuous stall current rms	Amps	0.39	0.53	0.78	0.78	1.07	1.6	1.6	2.1	3.1
Rotor Polar Moment of Inertia	Kg.cm²	0.14	0.14	0.14	0.19	0.19	0.19	0.28	0.28	0.28
(Inclusive of resolver inertia)	lb-in Sec²	0.00012	0.00012	0.00012	0.00017	0.00017	0.00017	0.00025	0.00025	0.00025
Cogging Torque	Nm	0.0125	0.0125	0.0125	0.0175	0.0175	0.0175	0.0295	0.0295	0.0295
	lb-in	0.111	0.111	0.111	0.14	0.14	0.14	0.26	0.26	0.26
Torque constant Kt (line-line)	Nm/Amp	0.51	0.375	0.258	0.51	0.375	0.258	0.51	0.375	0.258
	lb-in/Amp	4.5	3.3	2.28	4.5	3.3	2.28	4.5	3.3	2.28
Resistance (line-line)	Ohms	112	59	29	39	20	9.8	15	7.3	3.6
Inductance (line-line)	Millihenrys	67	36	17	33	17	8.4	15	7.8	3.6
Insulation Class		F	F	F	F	F	F	F	F	F
Max. ambient temperature	°C	40	40	40	40	40	40	40	40	40
	°F	104	104	104	104	104	104	104	104	104
Thermal time constant	Minutes	15	15	15	20	20	20	25	25	25
Thermal resistance	°C/Watt	2.8	2.8	2.8	2.3	2.3	2.3	1.4	1.4	1.4
	°F/Watt	5.9	5.9	5.9	4.8	4.8	4.8	3.0	3.0	3.0
Static friction torque	Nm	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	lb-in	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133
Motor weight	Kg	1.2	1.2	1.2	1.4	1.4	1.4	1.9	1.9	1.9
	lb	2.6	2.6	2.6	3.1	3.1	3.1	4.2	4.2	4.2