

Parameter	Unit	HR92 C4-64	HR92 C4-44	HR92 C4-32	HR92 E4-64	HR92 E4-44	HR92 E4-32	HR92 G4-64	HR92 G4-44	HR92 G4-32	HR92 J4-64	HR92 J4-44	HJ116 J4-32
Voltage gradient no load	volts/krpm	64	44	32	64	44	32	64	44	32	64	44	32
Max.Motor EMF	line-line volts	380	260	190	380	260	190	380	260	190	380	260	190
Max. Speed	RPM	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
Continuous stall torque TENV	Nm	1.5	1.5	1.5	2.2	2.2	2.2	3	3	3	3.8	3.8	3.8
	lb-in	13.3	13.3	13.3	19	19	19	27	27	27	34	34	34
Peak Stall Torque	Nm	4.6	4.6	4.6	6.7	6.7	6.7	9.2	9.2	9.2	11.4	11.4	11.4
	lb-in	41	41	41	59	59	59	81	81	81	101	101	101
Continuous stall current rms	Amps	2.0	2.9	4.0	2.9	4.3	5.9	4.0	5.8	8.0	3.7	5.1	7.4
Rotor Polar Moment of Inertia	Kg.cm ²	0.94	0.94	0.94	1.3	1.3	1.3	1.6	1.6	1.6	2.0	2.0	2.0
(Inclusive of resolver inertia)	lb-in Sec ²	0.00083	0.00083	0.00083	0.0138	0.0138	0.0138	0.0168	0.0168	0.0168	0.0216	0.0216	0.0216
Cogging Torque	Nm	0.048	0.048	0.048	0.062	0.062	0.062	0.076	0.076	0.076	0.09	0.09	0.09
	lb-in	0.425	0.425	0.425	0.540	0.540	0.540	0.068	0.068	0.068	0.81	0.81	0.81
Torque constant Kt (line-line)	Nm/Amp	0.75	0.51	0.375	0.75	0.51	0.375	0.75	0.51	0.375	0.51	0.75	1.02
	lb-in/Amp	6.6	4.5	3.3	6.6	4.5	3.3	6.6	4.5	3.3	4.5	6.6	
Resistance (line-line)	Ohms	10.4	4.6	2.6	5.4	2.8	1.34	3.4	1.5	0.86	5.0	2.5	1.24
Inductance (line-line)	Millihenrys	43	20	10.8	30	14	7.5	19	8.9	4.7	29	15	7.2
Insulation Class		F	F	F	F	F	F	F	F	F	F	F	F
Max. ambient temperature	°C	40	40	40	40	40	40	40	40	40	40	40	40
	°F	104	104	104	104	104	104	104	104	104	104	104	104
Thermal time constant	Minutes	28	28	28	30	30	30	32	32	32	33	33	33
Thermal resistance	°C/Watt	1.34	1.34	1.34	1.09	1.09	1.09	0.99	0.99	0.99	0.83	0.83	0.83
	°F/Watt	2.4	2.4	2.4	2.0	2.0	2.0	1.88	1.88	1.88	1.5	1.5	1.5
Static friction torque	Nm	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	lb-in	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Motor weight	Kg	4.3	4.3	4.3	5.2	5.2	5.2	5.8	5.8	5.8	6.6	6.6	6.6
	lb	9.5	9.5	9.5	11.5	11.5	11.5	12.8	12.8	12.8	15	15	15