

Parameter	Unit	HR115 A6-130	HR115 A6-88	HR115 A6-64	HR115 A6-44	HR115 B6-130	HR115 B6-88	HR115 B6-64	HR115 B6-44	HR115 C6- 130	HR115 C6-88	HR115 C6-64	HJ116 C6-44	HR115 E6-130	HR115 E6-88	HR115 E6-64	HJ116 E6-44
Voltage gradient no load	volts/krpm	130	88	64	44	130	88	64	44	130	88	64	44	130	88	64	44
Max.Motor EMF	line-line volts	700	530	380	260	700	530	380	260	700	530	380	260	700	530	380	260
Max. Speed	RPM	5400	6000	6000	6000	5400	6000	6000	6000	5400	6000	6000	6000	5400	6000	6000	6000
Continuous stall torque TENV	Nm	3.7	3.7	3.7	3.7	5.2	5.2	5.2	5.2	6.8	6.8	6.8	6.8	9.8	9.8	9.8	9.8
	lb-in	33	33	33	33	46	46	46	46	60	60	60	60	87	87	87	87
Peak Stall Torque	Nm	11	11	11	11	16	16	16	16	22	22	22	22	33	33	33	33
	lb-in	97	97	97	97	140	140	140	140	190	190	190	190	290	290	290	290
Continuous stall current rms	Amps	2.4	3.6	4.9	7.2	3.4	5.1	6.9	10.1	4.5	6.6	9.1	13.2	6.4	9.5	13.1	19
Rotor Polar Moment of Inertia	Kg.cm ²	2.7	2.7	2.7	2.7	3.9	3.9	3.9	3.9	5.1	5.1	5.1	5.1	7.5	7.5	7.5	7.5
(Inclusive of resolver inertia)	lb-in Sec ²	0.0024	0.0024	0.0024	0.0024	0.042	0.042	0.042	0.042	0.054	0.054	0.054	0.054	0.079	0.079	0.079	0.079
Cogging Torque	Nm	0.13	0.13	0.13	0.13	0.101	0.101	0.101	0.101	0.17	0.17	0.17	0.17	0.24	0.24	0.24	0.24
	lb-in	1.159	1.159	1.159	1.159	0.893	0.893	0.893	0.893	1.5	1.5	1.5	1.5	2.131	2.131	2.131	2.131
Torque constant Kt (line-line)	Nm/Amp	1.53	1.02	0.75	0.51	1.53	1.02	0.75	0.51	1.53	1.02	0.75	0.51	1.53	1.02	0.75	0.51
	lb-in/Amp	13.5	9.0	6.6	4.5	13.5	9.0	6.6	4.5	13.5	9.0	6.6	4.5	13.5	9.0	6.6	4.5
Resistance (line-line)	Ohms	11.4	5.5	2.7	1.29	6.4	2.9	1.5	0.72	3.7	1.7	0.9	0.46	2.1	1.01	0.49	0.23
Inductance (line-line)	Millihenrys	60	28	15	6.9	39	18	9.4	4.4	28	12.6	6.7	3.2	18	8.1	4.3	2.0
Insulation Class		F	F	F	F	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	40	40	40	40
	°F	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
Thermal time constant	Minutes	35	35	35	35	40	40	40	40	45	45	45	45	55	55	55	55
Thermal resistance	°C/Watt	0.79	0.79	0.79	0.79	0.74	0.74	0.74	0.74	0.7	0.7	0.7	0.7	0.61	0.61	0.61	0.61
	°F/Watt	1.4	1.4	1.4	1.4	1.33	1.33	1.33	1.33	1.26	1.26	1.26	1.26	1.1	1.1	1.1	1.1
Static friction torque	Nm	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
	lb-in	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
Motor weight	Kg	6.6	6.6	6.6	6.6	7.8	7.8	7.8	7.8	9.0	9.0	9.0	9.0	11.4	11.4	11.4	11.4
	lb	15	15	15	15	17	17	17	17	20	20	20	20	25	25	25	25