

Parameter	Unit	HJ155	HJ155	HJ155	HJ155	HJ155	HJ155	HJ155	HJ155	HJT155	HJT155	HJ116	HJT155	HJT155	HJT155	HJT155	HJT155	HJT155	HJT155	HJT155	HJT155
		A8-64	A8-88	A8-130	A8-180	B8-88	B8-130	B8-180	B8-260	D8-130	D8-180	D8-260	D8-360	E8-130	E8-180	E8-260	E8-360	G8-130	G8-180	G8-260	G8-360
Voltage gradient no load	volts/krpm	64	88	130	180	88	130	180	260	130	180	260	360	130	180	260	360	130	180	260	360
Max. Motor EMF	line-line volts	320	440	650	700	440	650	700	700	650	700	700	700	650	700	700	700	650	700	700	700
Max. Speed	RPM	5000	5000	5000	3900	5000	5000	3900	2700	5000	3900	2700	1900	5000	3900	2700	1900	5000	3900	2700	1900
Continuous stall torque TENV	Nm	11.5	11.5	11.5	11.5	16	16	16	16	21	21	21	21	25	25	25	35	32	32	32	32
	Ib-in	102	102	102	102	140	140	140	140	190	190	190	190	220	220	220	310	280	280	280	280
Peak Stall Torque	Nm	33	33	33	33	51	51	51	51	66	66	66	66	74	74	74	74	103	103	103	103
	lb-in	300	300	300	300	450	450	450	450	580	580	580	580	660	660	660	660	290	290	290	290
Continuous stall current rms	Amps	15	11.2	7.6	5.5	16	10.5	7.6	5.3	13.8	10	6.9	5.0	16	11.9	8.2	5.9	20	15	10.5	7.6
Rotor Polar Moment of Inertia	Kg.cm ²	22	22	22	22	33	33	33	33	54	54	54	54	65	65	65	65	86	86	86	86
(Inclusive of resolver inertia)	lb-in Sec ²	0.019	0.019	0.019	0.019	0.029	0.029	0.029	0.029	0.061	0.061	0.061	0.061	0.058	0.058	0.058	0.058	0.076	0.076	0.076	0.076
Cogging Torque	Nm	0.28	0.28	0.28	0.28	0.36	0.36	0.36	0.36	0.46	0.46	0.46	0.46	0.52	0.52	0.52	0.52	0.64	0.64	0.64	0.64
	lb-in	2.5	2.5	2.5	2.5	3.2	3.2	3.2	3.2	4.07	4.07	4.07	4.07	4.6	4.6	4.6	4.6	5.7	5.7	5.7	5.7
Torque constant 3 X Kt (line-line)	Nm/Amp	0.75	1.03	1.5	2.1	1.03	1.5	2.1	3.03	1.5	2.1	3.03	4.2	1.5	2.1	3.0	4.2	1.5	2.1	3.0	4.2
	lb-in/Amp	6.6	9.1	13.5	19	9.1	13.5	19	27	13.5	19	27	37	13.5	19	27	37	13.5	19	27	37
Resistance (line-line)	Ohms	0.37	0.75	1.6	3.0	0.39	0.84	1.6	3.3	0.58	1.11	2.5	4.5	0.52	0.86	1.8	3.4	0.35	0.63	1.27	2.5
Inductance (line-line)	Millihenrys	2.0	4.1	8.7	16	2.5	5.5	10.1	22	6.3	12.1	26	48	5.9	10.2	21	41	4.3	7.6	16	30
Insulation Class		F	F	F	F	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	40	40	40	40
	°F	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
Thermal time constant	Minutes	40	40	40	40	50	50	50	50	60	60	60	60	70	70	70	70	70	70	70	70
Thermal resistance	°C/Watt	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.42	0.42	0.42	0.42	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
	°F/Watt	0.99	0.99	0.99	0.99	1.01	1.01	1.01	1.01	0.75	0.75	0.75	0.75	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Static friction torque	Nm	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
	Ib-in	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
Motor weight	Kg	12.5	12.5	12.5	12.5	15	15	15	15	20	20	20	20	23	23	23	23	28	28	28	28
	lb	28	28	28	28	35	35	35	35	44	44	44	44	51	51	51	51	62	62	62	62