

		Rotary Motor														
		231S	231P	232S	232P	233S	233P	342S	342P	343S	343P	344S	344P	ServoNut	DDT-100	DDT-200, 200MT
Description		NEMA 23						NEMA 34						NEMA 23	NEMA 34	5" OD
		1 stack series wound	1 stack parallel wound	2 stack series wound	2 stack parallel wound	3 stack series wound	3 stack parallel wound	2 stack series wound	2 stack parallel wound	3 stack series wound	3 stack parallel wound	4 stack series wound	4 stack parallel wound	triple-stack custom	half-stack custom	single-stack custom
Type		3-Phase brushless rotary with halls														
Used on:		SBLL, SBLLM, SBR50, SBR100						SBLLM, SBLH, SBR200						LBS, SPM	DDT-100	DDT-200, 200MT
T cont.	oz-inch	60	60	116	116	145	145	267	228	386	386	501	501	191.0	104	203
	N-m	0.42	0.42	0.82	0.82	1.02	1.02	1.89	1.61	2.73	2.73	3.54	3.54	1.35	.73	1.43
T peak	oz-inch	180	180	348	348	435	435	801	684	1158	1158	1503	1503	573.0	312	609
	N-m	1.27	1.27	2.46	2.46	3.07	3.07	5.66	4.83	8.18	8.18	10.61	10.61	4.05	2.20	4.30
Weight	lb	1.38	1.38	2.1	2.1	2.8	2.8	4.6	4.6	6.2	6.2	7.6	7.6			
	Kg	0.63	0.63	0.93	0.93	1.25	1.25	2.09	2.09	2.81	2.81	3.45	3.45			
Resolution	cpr (std)	16000	16000	16000	16000	16000	16000	20000	20000	20000	20000	20000	2000			
	mm/count			0.0046875	0.0046875	0.0046875	0.0046875	0.00375	0.00375	0.00375	0.00375	0.00375	0.00375			
Torque Const.	oz-in/A	17.9	9.0	31.5	15.7	36.9	18.4	63.5	31.7	65.2	32.6	105.3	52.6	25.5	21.0	39.3
	N-m/A	0.13	0.06	0.22	0.11	0.26	0.13	0.45	0.22	0.46	0.23	0.74	0.37	0.18	0.15	0.28
Inertia	oz-in-sec <sup>2</sup>	0.001	0.001	0.0021	0.0021	0.0030	0.0030	0.0198	0.0198	0.0285	0.0285	0.0379	0.0379			
	Kg-m <sup>2</sup>	0.000007	0.000007	0.000015	0.000015	0.000021	0.000021	0.000139	0.000139	0.000201	0.000201	0.000267	0.000267			
Volt Const.	Volt/kRPM	13.27	6.64	23.29	11.65	27.3	13.65	38.91	19.45	48.27	24.13	77.9	38.95	18.871	15.562	29.038
Induct.	mH	2.932	0.733	3.662	0.915	3.545	0.886	4.791	1.198	3.452	0.863	6.64	1.66	1.189	2.129	3.529
Res.	ohm	2.76	0.69	2.464	0.616	2.418	0.605	2.496	0.624	1.42	0.355	2.637	0.659	1.022	1.236	2.064
Elect. Tconst.	msec	1.06	1.06	1.49	1.49	1.47	1.47	1.92	1.92	2.43	2.43	2.52	2.52	1.164	1.723	1.71
Cont. Pwr.	Watt	62	62	120	120	150	150	229	196	400	400	519	519	235	117	155
Poles		8	8	8	8	8	8	8	8	8	8	8	8	6	6	12
Cont Current	Amp	3.3	6.7	3.7	7.4	3.9	7.9	4.2	7.2	5.9	11.8	4.8	9.5	7.5	4.9	5.2