

		O E M S E R I E S *					L E G E N D S E R I E S **					
		1720D85C	2315D	2337D	2337DT	3416D	2310D	2320D	2330D	2340D	3410D	3420D
SmartMotor Series:												
Continuous Torque	in-lb	1.97	1.69	2.08	3.33	7.81	1.25	2.38	3.13	3.44	2.81	6.25
	oz-in	32	27	33	53	125	20	38	50	55	45	100
	N-m	0.22	0.19	0.24	0.38	0.88	0.14	0.27	0.35	0.39	0.32	0.71
Peak Torque	in-lb	5.37	2.69	5.56	11.25	9.38	3.31	5.63	7.81	7.81	11.25	33.75
	oz-in	86	43	89	180	150	53	90	125	125	180	540
	N-m	0.60	0.30	0.63	1.27	1.06	0.37	0.64	0.88	0.88	1.27	3.81
Torque Constant	oz-in/Amp	7.57	4.17	5.60	14.80	20.26	5.55	8.92	12.60	13.90	12.50	14.60
	Nm/Amp	0.05	0.03	0.04	0.10	0.14	0.4	0.06	0.09	0.10	0.09	0.10
Nominal Continuous Power	hp	0.15	0.18	0.14	0.16	0.24	0.18	0.19	0.20	0.22	0.16	0.24
	KW	0.11	0.13	0.10	0.12	0.18	0.13	0.14	0.15	0.16	0.12	0.18
No Load Speed	rpm	7,300	9,000	7,400	3,800	2,600	13,220	7,820	5,590	5,310	5,060	4,310
Voltage Constant	V/krpm	5.50	4.45	5.62	10.95	15.50	4.11	6.60	9.32	10.26	9.20	10.80
Winding Resistance	ohms	1.8	1.0	0.6	0.9	0.6	1.5	1.1	1.2	1.0	2.3	1.2
Encoder Resolution	counts/Rev	2,000	2,000	2,000	2,000	4,000	2,000	2,000	2,000	2,000	4,000	4,000
Rotor Inertia	oz-in-sec ²	0.00026	0.00099	0.0019	0.0019	0.0140	0.00095	0.0018	0.0027	0.0036	0.0060	0.0130
	10 ⁻⁵ kg-m ²	0.18	0.70	1.34	1.34	9.89	0.67	1.30	1.93	2.56	4.24	9.19
Poles		4	8	8	8	8	4	4	4	4	4	4
Slots		15	12	12	12	12	15	15	15	15	24	24
Shaft Diameter	inches	0.1969	0.250	0.250	0.250	0.375	0.250	0.250	0.250	0.250	0.375	0.375
	cm	0.500	0.635	0.635	0.635	0.953	0.635	0.635	0.635	0.635	0.953	0.953
Weight	lbs	1.21	1.00	2.10	2.16	5.00	1.20	1.74	2.27	2.79	2.50	3.50
	kg	0.55	0.45	0.95	0.98	2.27	0.54	0.79	1.03	1.27	1.13	1.59
Length	inches	3.70	2.30	4.54	4.54	3.80	3.15	3.82	4.47	5.13	3.49	4.14
	cm	9.4	5.8	11.5	11.5	9.7	8.0	9.7	11.4	13.0	8.9	10.5
Width	inches	1.65	2.25	2.25	2.25	3.4	2.25	2.25	2.25	2.25	3.25	3.25
	cm	4.19	5.72	5.72	5.72	8.64	5.72	5.72	5.72	5.72	8.26	8.26
Encoder Follow/Gearing		◆		◆	◆	◆	◆	◆	◆	◆	◆	◆
Ratio Camming		◆		◆	◆	◆	◆	◆	◆	◆	◆	◆
AniLink™ Port with RS485		◆		◆	◆	◆	◆	◆	◆	◆	◆	◆
DC Input to 48V		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
DC Input to 75V												
AC Input to 220V												
CE Mark		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Optional Built-in Brake		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

SMARTMOTOR						SERVOSTEP SERIES***						
3430D	3440D	3450D	4210TS	4220TS	4230TS	ST231	ST232	ST233	ST234	ST341	ST342	ST343
9.69	13.13	15.63	17.19	20.42	26.86	4.19	8.56	12.19	19.19	23.25	45.56	69.06
155	210	250	275	327	430	67	137	195	307	372	729	1,105
1.09	1.48	1.77	1.94	2.31	3.04	0.47	0.97	1.38	2.17	2.64	5.16	7.83
35.94	39.06	46.88	74.25	65.40	73.51	4.19	8.56	16.75	20.75	23.25	49.31	70.81
575	625	750	1,188	1,046	1,176	67	137	268	332	372	789	1,133
4.06	4.41	5.30	8.39	7.39	8.31	0.47	0.97	1.90	2.35	2.64	5.60	8.03
16.40	17.40	18.50	172.80	129.60	172.80	NA	NA	NA	NA	NA	NA	NA
0.12	0.12	0.13	1.22	0.92	1.22	NA	NA	NA	NA	NA	NA	NA
0.30	0.34	0.36	0.49	0.82	0.744	0.04	0.039	0.095	0.105	0.131	0.155	0.139
0.22	0.25	0.27	0.37	0.61	0.55	0.03	0.03	0.07	0.08	0.10	0.12	0.104
3,850	3,609	3,398	2,400	3,300	2,500	1,700	1,600	1,700	1,600	1,600	1,600	1,500
12.10	12.90	13.70	128.00	96.00	128.00	NA	NA	NA	NA	NA	NA	NA
0.9	0.6	0.6	10.0	3.2	3.7	2.7	5.25	1.4	1.5	1.43	1.12	1.52
4,000	4,000	4,000	4,000	4,000	4,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
0.0190	0.0250	0.0300	0.0288	0.046	0.0544	0.0018	0.0039	0.0067	0.0088	0.0226	0.0481	0.0707
13.43	17.67	21.20	20.35	29.40	38.45	1.28	2.75	4.76	6.22	16	34	50
4	4	4	4	4	4	NA	NA	NA	NA	NA	NA	NA
24	24	24	24	24	24	NA	NA	NA	NA	NA	NA	NA
0.375	0.375	0.375	0.625	0.625	0.625	0.250	0.250	0.250	0.250	0.500	0.500	0.500
0.953	0.953	0.953	1.588	1.588	1.588	0.635	0.635	0.635	0.635	1.270	1.270	1.270
4.50	5.50	6.50	22.00	27.00	32.00	1.45	1.94	2.76	3.97	6.18	9.68	13.18
2.04	2.49	2.95	9.98	12.25	14.51	0.66	0.88	1.25	1.80	2.80	4.39	5.98
4.79	5.44	6.09	12.2	13.7	15.2	3.92	4.43	5.4	6.7	5.0	6.5	8.0
12.2	13.8	15.5	31.0	34.8	38.6	10.0	11.3	13.7	17.0	12.7	16.5	20.4
3.25	3.25	3.25	4.25	4.25	4.25	2.25	2.25	2.25	2.25	3.38	3.38	3.38
8.26	8.26	8.26	10.80	10.80	10.80	5.72	5.72	5.72	5.72	8.59	8.59	8.59
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