








Notes: All torque curves were derived under dynamometer testing at an ambient temperature of 27°C with a heat rise of level shown for continuous curves.				
<b>SmartMotor Series:</b>		<b>SM1720D85C</b>	<b>SM2315D</b>	<b>SM2315DT</b>
Continuous Torque @ 48V	in-lb	2.31	1.94	3.56
	oz-in	37	31	57
	N-m	0.26	0.22	0.40
Peak Torque	in-lb	5.06	3.19	6.25
	oz-in	81	51	100
	N-m	0.57	0.36	0.71
Nominal Continuous Power	hp	0.20	0.18	0.19
	KW	0.15	0.13	0.14
No Load Speed	rpm	8,000	10,000	5,200
Voltage Constant	V/krpm	5.50	4.45	9.08
Winding Resistance	ohms	1.8	1.0	0.74
Peak Current	Amps	9.99	6.26	5.68
Continuous Current	Amps	4.78	3.71	3.46
Encoder Resolution	counts/Rev	2,000	2,000	2,000
Rotor Inertia	oz-in-sec <sup>2</sup>	0.00026	0.00099	0.0010
	10 <sup>-5</sup> -kg-m	0.18	0.70	0.727
Poles		4	8	8
Slots		15	12	12
Shaft Diameter	inches	0.1969	0.250	0.250
	cm	0.500	0.635	0.635
Weight	lbs	1.21	1.00	1.30
	kg	0.55	0.45	0.61
Length	inches	3.70	2.30	2.30
	cm	9.4	5.8	5.8
Width	inches	1.65	2.25	2.25
	cm	4.19	5.72	5.72
Plus Firmware Available		◆		
Encoder Follow/Gearing		◆		
Ratio Camming		◆		
RS485 on Ports E and F		◆		
Ethernet Available			◆	◆
Devicenet™ Available				
Profibus™ Available			◆	◆
CANopen Available			◆	◆

\* These are maximum values obtained for Dyno tested torques as shown in catalog.

			
<b>SM2316D</b>	<b>SM2316DT</b>	<b>SM2337D</b>	<b>SM2337DT</b>
2.50	4.62	2.08	3.33
40	74	33	53
0.28	0.52	0.24	0.38
4.00	7.44	5.56	11.25
64	119	89	180
0.45	0.84	0.63	1.27
0.23	0.27	0.20	0.19
0.17	0.20	0.15	0.14
10,400	5,200	7,400	3,800
4.45	9.08	5.62	10.95
1.0	0.74	0.6	0.9
6.63	6.63	6.34	5.80
5.45	5.98	5.50	3.63
4,000	4,000	2,000	2,000
0.00099	0.0010	0.0019	0.0019
0.70	0.727	1.34	1.34
8	8	8	8
12	12	12	12
0.250	0.250	0.250	0.250
0.635	0.635	0.635	0.635
1.00	1.30	2.10	2.16
0.45	0.61	0.95	0.98
2.30	2.30	4.54	4.54
5.8	5.8	11.5	11.5
2.25	2.25	2.25	2.25
5.72	5.72	5.72	5.72
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆