

		BMS-1601-A	BMS-1712-A	BMS-2002-A	BMS-2304-A	BMS-2509-A	BMS-3101-A
O.D. Armature	in	2.362	2.677	2.990	3.700	4.095	5.197
	mm	59.99	68.00	75.95	93.98	104.01	132.00
Stack Length	in	0.520	0.500	0.500	0.500	0.540	0.500
	mm	13.21	12.70	12.70	12.70	13.72	12.70
Endturn (Lead Side)	in	0.270	0.270	0.290	0.325	0.350	0.390
	mm	6.86	6.86	7.37	8.26	8.89	9.91
Endturn (Non-Lead Side)	in	0.150	0.150	0.155	0.185	0.220	0.250
	mm	3.81	3.81	3.94	4.70	5.59	6.35
Total Armature Length	in	0.940	0.920	0.945	1.010	1.110	1.140
	mm	23.88	23.37	24.00	25.65	28.19	28.96
Rotor Thru-Bore	in	1.182	1.200	1.496	1.810	1.772	2.244
	mm	30.02	30.48	38.00	45.97	45.01	57.00
Jm	Kg*m ²	1.54E-05	2.82E-05	4.11E-05	8.37E-05	1.39E-04	2.86E-04
Field Assy Length	in	0.680	0.660	0.660	0.660	0.700	0.660
	mm	17.27	16.76	16.76	16.76	17.78	16.76
Poles	-	16	16	16	16	16	16
Weight (Total)	lbs	0.488	0.597	0.760	1.14	1.76	2.80
	grams	221	271	345	518	797	1269
<i>Electrical (+/- 10%)</i>							
CD Sheet	-	965063	967920	965024	968315	964990	964956
Max Voltage Rating	Vdc	48	48	48	48	48	48
Ktnl at 25° C	Nm/Adc	0.0955	0.116	0.106	0.127	0.119	0.133
	Nm/Arms	0.117	0.142	0.130	0.155	0.146	0.163
Kb at 25° C	V/rad/sec	0.0955	0.1160	0.106	0.127	0.119	0.133
Kt at 155° C Arm Temp	Nm/Adc	0.0869	0.105	0.097	0.115	0.108	0.121
	Nm/Arms	0.106	0.129	0.118	0.141	0.133	0.148
Rm (L-L)	ohms	0.682	0.509	0.321	0.162	0.105	0.047
Km	Nm/√W	0.105	0.148	0.171	0.286	0.334	0.558
Lm	mH	0.55	0.54	0.38	0.31	0.28	0.20
Rth	° C/W	3.60	2.30	2.17	1.72	1.59	1.39
Heat Sink	in	4 x 3.25 x .25	7 x 7.5 x .75	7 x 7.5 x .75	7 x 7.5 x .75	7 x 7.5 x .75	7 x 7.5 x .75
<i>Performance (25° C Amb)</i>							
Tcont Stall (80° C)	Nm	0.370	0.672	0.802	1.51	1.94	3.18
Icont Stall (80° C)	Adc	4.30	6.25	8.08	12.8	16.9	25.6
	Arms	3.51	5.10	6.60	10.4	13.8	20.9
Tcont Stall (155° C)	Nm	0.493	0.885	1.05	2.00	2.50	3.04
Icont Stall (155° C)	Adc	5.94	8.57	11.1	17.6	23.4	24.9
	Arms	4.85	7.00	9.10	14.4	19.1	20.3
Tpk Stall (25° C)	Nm	1.40	2.26	3.19	5.56	5.74	6.64
Ipk Stall (25° C)	Adc	16.8	23.5	33.8	57.0	57.0	57.0
	Arms	13.7	19.2	27.6	46.5	46.5	46.5
Tf (friction + cogging)	Nm	0.010	0.014	0.014	0.020	0.027	0.054