

BMS 仕様
2019, Jun 10th

		BMS-1604-A	BM(S)-1614	BMS-1712-A	BM(S)-1717-A	BMS-2004-A	BM(S)-2020-A	BMS-2304-A	BM(S)-2325-A	BMS-2512-A	BM(S)-2525-A	BMS-3101-A
<i>Electrical (+/- 10%)</i>	Units											
CD Sheet	-	970888	971095	967920	971001	965024	971122	968315	TBD	964990	TBD	964956
Max Voltage Rating	Vdc	48		48		48		48		48		48
Ktnl at 25°C	Nm/Adc	0.0956		0.111		0.113		0.127		0.119		0.133
	Nm/Arms	0.117		0.136		0.139		0.155		0.146		0.163
Kb at 25°C	V/rad/sec	0.0956		0.111		0.113		0.127		0.119		0.133
Kt at 80°C Arm Temp	Nm/Adc	0.0910		0.106		0.108		0.120				
	Nm/Arms	0.111		0.130		0.132		0.148				
Kt at 155°C Arm Temp	Nm/Adc	0.0869	--	0.101	--	0.103	-	0.115	-	0.108	-	0.121
	Nm/Arms	0.106	--	0.124	--	0.126	-	0.141	-	0.133	-	0.148
Rm (L-L)	ohms	0.665		0.515		0.321		0.163		0.105		0.047
Lm	mH	0.55		0.50		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	0.385		0.636		0.860		1.51		1.85		3.18
Icont Stall (80°C)	Adc	4.35		6.18		8.08		12.8		16.4		25.6
	Arms	3.55		5.05		6.60		10.4		13.4		20.9
Avg Speed (using 100:1)	RPM	1500		1500		1500		1200		1200		1200
Tcr @ Avg Speed	Nm	0.347		0.597		0.797		1.42		1.66		2.75
Twind @ Tcr	°C	80		80		80		80		80		80
Tcont Stall (155°C)	Nm	0.509	-	0.840	-	1.13	-	2.00	-	2.44	-	3.04
Icont Stall (155°C)	Adc	6.02	-	8.55	-	11.2	-	17.6	-	22.8	-	24.9
	Arms	4.91	-	6.98	-	9.11	-	14.40	-	18.6	-	20.3
Tpk Stall (25°C)	Nm	1.41		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	0.014		0.018		0.010		0.020		0.027		0.054

Note that for some of these, the ratings at 155C have not been fully tested. This is why you're seeing that the drawings are TBD and operating values at 155C are absent.