

Corp. Office
Plot No. PAP-A-170, Mahape MIDC,
Navi Mumbai - 400703
Tel. No.: 022 27781125
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Factory Add.: No. 12, Meishuxia Yuanshang Village, Niutang
Town, Wujin Dist., Jiangsu, , Changzhou City, China – 250000,
Tel.No.: 18569420853

57mm DC BRUSHLESS MOTOR



GENERAL SPECIFICATIONS

Hall effect angle	electrical angle
Shaft run out	0.025mm
Radial play	0.02mm@450g
End play	0.08mm@450g
Max. radial force	75N @ 20mm from the flange
Max. axial force	15N
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100M Min., 500VDC

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ELECTRICAL SPECIFICATIONS

Model	SM57BL(S)45	SM57BL(S)55	SM57BL(S)75	SM57BL(S)95	SM57BL(S)115
Number of poles	4				
Number of phase	3				
Rated voltage VDC	24				
Rated speed RPM	1500				
Rated torque N.m	0.055	0.11	0.22	0.32	0.43
Rated power W	23	46	92	133	180
Peak torque N.m	0.16	0.39	0.7	1	1.27
Peak current A	3.5	6.8	11.5	16.5	20.5
resistance ohms	4.1	1.5	0.7	0.45	0.35
inductance mH	10	4.2	2.16	1.4	1
Torque constant Nm/A	0.053	0.063	0.063	0.063	0.063
Back E.M.F V/KRPM	5.55	6.6	6.6	6.6	6.6
Rotor inertia g.cm ²	30	75	119	173	230
Body length(L) mm	45	55	75	95	115
Weight Kg	0.25	0.5	0.75	1	1.25

Dimension:

