



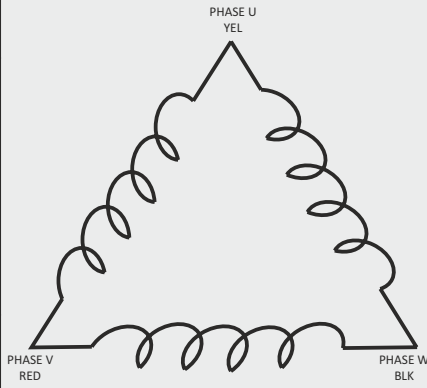
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BLDC MOTOR

BLDC MOTOR E-57BL SERIES

Electric Connection:

Lead No.	Lead Color	Function	Description
1	RED	VCC	Hall Sensors Leads
2	BLACK	GND	
3	BLUE	Hall A	
4	GREEN	Hall B	
5	WHITE	Hall C	
6	YELLOW	Phase U	Motor Leads
7	RED	Phase V	
8	BLACK	Phase W	



Technical Specifications:

Model	E-57BL(S)005	E-57BL(S)01	E-57BL(S)02	E-57BL(S)03	E-57BL(S)04
Number of Poles	4				
Number of Phase	3				
Rated Voltage (VDC)	36				
Rates Speed (RPM)	4000				
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	1.0	1.27
Peak Current (A)	3.5	6.8	11.5	16.5	20.5
Line to Line Resistance (Ohms)	4.3	1.63	0.64	0.45	0.33
Line to Line Inductance (mh)	8.6	4.4	2.0	1.5	0.95
Torque Constant (N.m/A)	0.052	0.06	0.06	0.063	0.063
Back E.M.F (V/KRPM)	3.8	6.6	6.6	6.6	6.6
Rotor Inertia (g.cm2)	30	75	119	173	230
Body Length (L)	45	55	75	95	115
Mass (Kg)	0.33	0.44	0.72	0.95	1.2

Mechanical Dimension

