



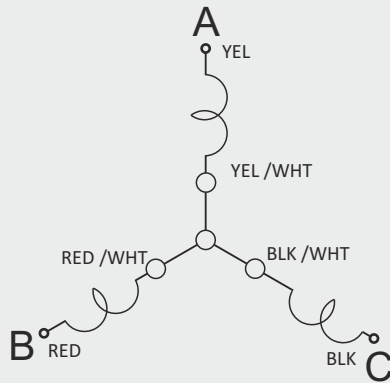
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BLDC MOTOR

BLDC MOTOR E-86BL 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	YEL & YEL/WHT	Phase U	Motor Leads
7	RED & RED/WHT	Phase V	
8	BLK & BLK/WHT	Phase W	



Electric Specifications:

Model	E-86BLS58	E-86BLS71	E-86BLS98	E-86BLS125
Number of Poles	8			
Number of Phase	3			
Rated Voltage (VDC)	48			
Rates Speed (RPM)	3000			
Rated Torque (N.m)	0.35	0.7	1.4	2.1
Rated Power (W)	110	220	440	660
Peak Torque (N. m)	1.05	2.1	4.2	6.3
Peak Current (A)	11	19	33	55
Line to Line Resistance (Ohms)	1.0	0.36	0.2	0.16
Line to Line Inductance (mh)	2.2	1.05	0.48	0.3
Torque Constant (N.m/A)	0.10	0.11	0.13	0.11
Back E.M.F (V/KRPM)	10.5	11.5	13.5	11.5
Rotor Inertia (g.cm2)	400	800	1600	2400
Body Length (L)	58	71	98	125
Mass (Kg)	1.5	1.85	2.6	4.0

Mechanical Dimension

