

General Specifications

57BL Series

Winding Type ————— Star
 Hall Effect angle ————— 120° electrical angle
 Insulation Class ————— B
 Ambient Temperature Range ——— -20°C~+50°C
 Insulation Resistance ————— 100MΩ Min . 500V DC
 Dielectric Strength ————— 700V AC 1minute



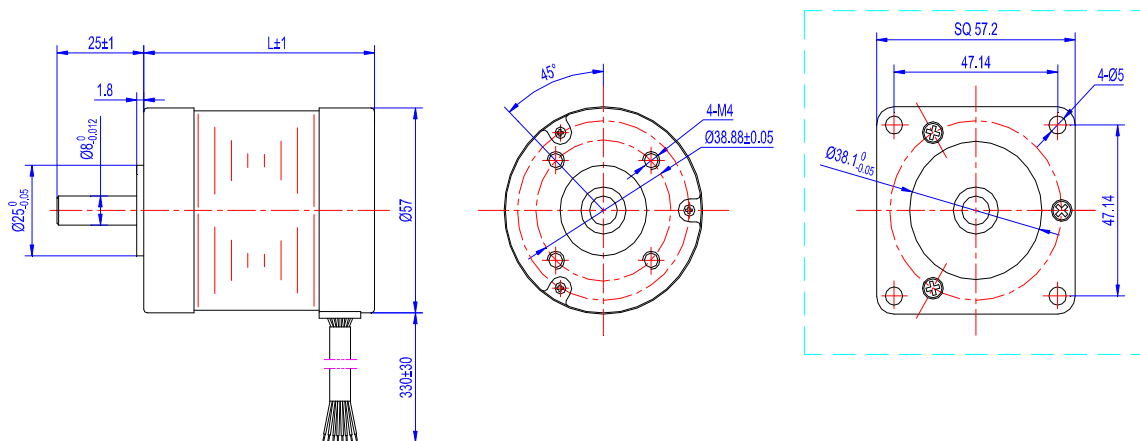
Electrical Specifications

Model		57BL01	57BL02	57BL03	57BL04	57BL05	57BL06
Number of Poles		4					
Number of Phases		3					
Rated Voltage	VDC	24	24	24	24	24	24
Rated speed	RPM	2500	3000	3000	3000	3000	3000
Rated Torque	N-m	0.057	0.11	0.165	0.22	0.33	0.44
Rated Current	Amps	1.2	2.3	3.0	4.4	6.6	8.6
Output Power	Watts	15	34	52	69	103	138
Peak Torque	N-m	0.18	0.38	0.58	0.8	1.2	1.6
Peak Current	Amps	3.6	6.8	9	13.2	19.8	25.8
Torque constant	N-m/Amps	0.074	0.059	0.06	0.062	0.062	0.063
Back EMF	V/kRPM	7.75	6.2	6.3	6.5	6.5	6.6
Rotor inertia	g · cm ²	32	42	58	72	106	140
Body Length	mm	41.5	46.5	56.5	66.5	86.5	106.5
Mass	kg	0.43	0.5	0.67	0.75	1.0	1.25

Caution 1: Peak Torque is provided for the purpose of performance calculations only. Operate near , or at this condition will result in motor damaged.

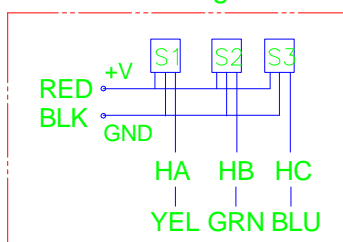
Note: We can also manufacture products according to customer is requirements.

Mechanical Dimensions



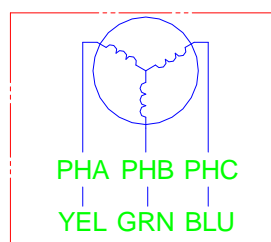
Wiring diagram

Connection diagram:



Hall sensor cable

Note: hall sensor power supply voltage +5 to +20VDC



Wiring cable