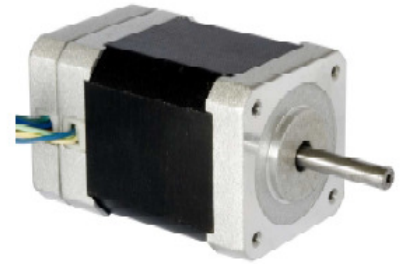


General Specifications

42BLF 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	500V AC 1minute

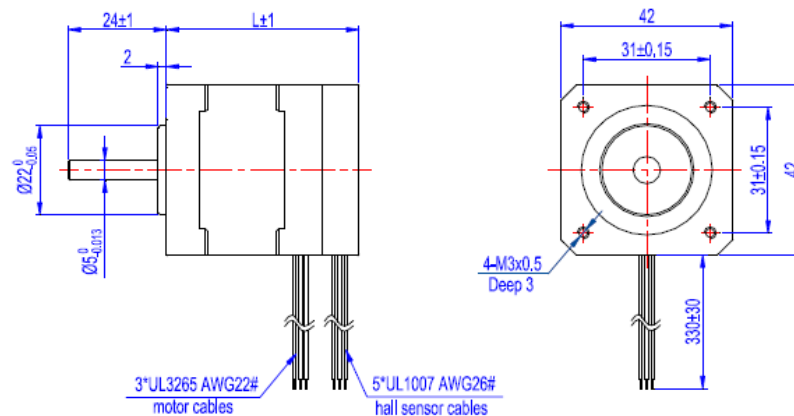


Electrical Specifications

Model		42BLF01	42BLF02	42BLF03
Number of Poles		8		
Number of Phases		3		
Rated Voltage	VDC	24	24	24
Rated speed	RPM	4000	4000	4000
Rated Torque	N-m	0.063	0.125	0.188
Rated Current	Amps	1.9	3.4	5.7
Output Power	Watts	26	52	78
Peak Torque	N-m	0.18	0.38	0.75
Peak Current	Amps	5.7	10.2	18
Torque constant	N-m/Amps	0.035	0.036	0.036
Back EMF	V/kRPM	3.7	3.8	3.8
Rotor inertia	g • cm ²	24	48	72
Body Length	mm	47	63	79
Mass	kg	0.33	0.48	0.63

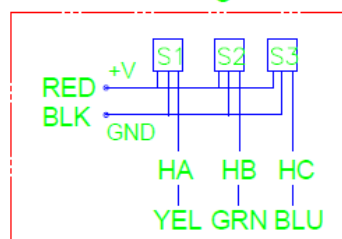
Caution 1: Peak Torque is provided for the purpose of performance calculations only. Operate near, or at this condition will result in motor damaged.

Mechanical Dimensions

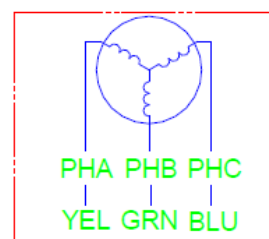


Wiring diagram

Connection diagram:



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



Wiring cable