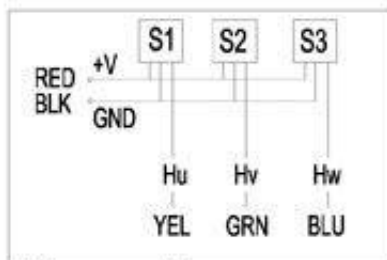


# Brushless DC Motor 86BLF

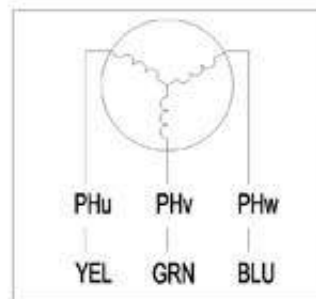


Model	86BLF01	86BLF02	86BLF03	86BLF04
Number of Poles	8	8	8	8
Number of Phases	3	3	3	3
Nominal Voltage (VDC)	48	48	48	48
Rated speed (RPM)	3000	3000	3000	3000
Continuous Torque (N-m)	0.35	0.7	1.05	1.4
Rated Current (Amps)	3.9	6.6	9.6	14
Output Power (Watts)	110	220	330	440
Peak Torque (N-m)	1.05	2.1	3.2	4.2
Peak Current (Amps)	10.8	19.8	29	38
Torque constant (N-m/Amps)	0.11	0.11	0.11	0.128
Back EMF (V/kRPM)	11.5	11.5	11.5	13.5
Rotor inertia (g • cm <sup>2</sup> )	350	650	950	1250
Body Length (L) (mm)	57	67	81	94
Mass (kg)	1.1	1.75	2.2	2.75

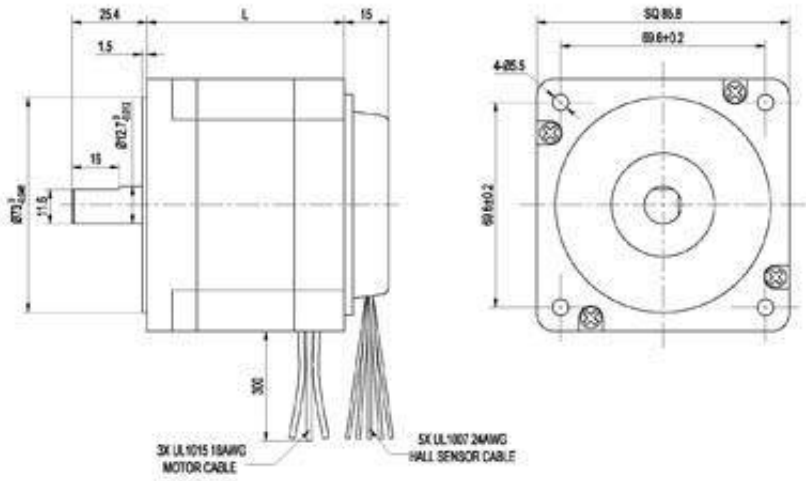
Connection diagram:



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



Wiring cables



Product link : <https://www.act-motor.com/brushless-dc-motor-86blf.html>