



42mm Round Flange Brushless Motor With 40mm Planetary Gearbox

Our Product Introduction

Basic Information

- Place of Origin: Changzhou, China
- Brand Name: Hontru
- Certification: CE ISO RoHS
- Model Number: HC42BLFS
- Minimum Order Quantity: 1 set
- Price: Negotiation
- Packaging Details: Foam+Hard Carton or Wooden Case+Waterproof film
- Delivery Time: 5-10 working days
- Payment Terms: T/T, PayPal, Western Union
- Supply Ability: 10000pcs/month



Product Specification

- Name: 42mm Round Brushless Motor
- Number Of Poles: 4
- Number Of Phases: 3
- Rated Voltage (VDC): 24
- Rated Speed (rpm): 3000
- Winding Method: Y
- Hall Distribution Angle: 120°
- Insulation Level: B
- Insulation Resistance: 100MΩ Min.500VDC
- Dielectric Strength: 600VAC,1Min.
- Maximum Radial Load: 28N
- Maximum Axial Load: 10N
- Highlight: **42mm Round Flange Brushless Motor, brushless motor gearbox, brushless planetary gear motor**



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Wiring		
Function Definition	Color	Wire Gauge
+5V	Red	AWG26 UL1430
Hu	White	
Hv	Blue	
Hw	Green	
GND	Black	
U	White	AWG22 UL1430
V	Blue	
W	Green	

Motor model	HC42BLY40	HC42BLY60	HC42BLY85	HC42BLY95
Number of poles	4			
Number of phases	3			
Rated voltage (VDC)	24			
Rated speed (rpm)	3000			
Rated torque (N.m)	0.04	0.07	0.12	0.18
Rated current (A)	0.8	1.5	2.1	3.2
Rated power (W)	12	22	38	56
Peak torque (N.m)	0.12	0.21	0.36	0.54
Peak current (A)	2.4	4.5	6.3	9.6
Back EMF constant (Vrms/Krpm)	6	6	6	6
Torque constant (N.m/A)	0.057	0.057	0.057	0.057
Moment of inertia (g.cm ²)	24	33	84	96
Body length L (mm)	40	60	85	95
Weight (kg)	0.3	0.45	0.65	0.8

Outline:

