



12v Planetary Brushless DC Motors 57BLF CE ISO RoHS

Our Product Introduction

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Basic Information

- Place of Origin: Changzhou, China
- Brand Name: Hontru
- Certification: CE ISO RoHS
- Model Number: HC57BLF
- 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: 57mm Square Brushless Motor
- Number Of Poles: 4
- Number Of Phases: 8
- 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: **Planetary Brushless DC Motors, 57BLF DC Brushless Motors RoHS, brushless motor 12v dc**



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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	HC57BLF59	HC57BLF80	HC57BLF101	HC57BLF122
Number of poles	3			
Number of phases	3			
Rated voltage (VDC)	24			
Rated speed (rpm)	3000			
Rated torque (N.m)	0.2	0.4	0.6	0.8
Rated current (A)	3.5	7	10.5	14
Rated power (W)	63	125	188	250
Peak torque (N.m)	0.6	1.2	1.8	2.4
Peak current (A)	10.5	21	31.5	42
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)	120	180	240	300
Body length L (mm)	59	80	101	122
Weight (kg)	0.6	1	1.4	1.8

Outline:

