



24V 48V BLDC Motor 3-Phase 60mm Square 100W 200W 300W 400W Brushless Motor

Our Product Introduction

Basic Information

- Place of Origin: Changzhou, China
- Brand Name: Hontru
- Certification: CE ISO RoHS
- Model Number: HC57BLY
- 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: 60mm Square Brushless Motor
- Number Of Poles: 3
- 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: 48V BLDC Motor, 24V BLDC Motor, 400W Brushless Motor



Product Description

60mm Square Brushless Motor

Specification

Item	index parameter
Winding method	Y
Hall distribution angle	120°
Insulation level	B
Insulation resistance	100MΩ Min.500VDC
Dielectric strength	600VAC,1Min.
Maximum radial load	75N
Maximum axial load	15N

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	HC60BLF78	HC60BLF100	HC60BLF120	HC60BLF140
Number of poles	3			
Number of phases	8			
Rated voltage (VDC)	24			
Rated speed (rpm)	3000			
Rated torque (N.m)	0.25	0.5	0.75	1
Rated current (A)	4.3	8.7	13	22
Rated power (W)	78	157	235	315
Peak torque (N.m)	0.75	1.5	2.25	3.91
Peak current (A)	12.9	26	39	66
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)	150	200	250	300
Body length L (mm)	78	100	120	140
Weight (kg)	0.85	1.25	1.7	2.2

Outline:

