



42mm Inner Rotor 24v Brushless Dc Motor 3 Phase 6 Poles 4000Rpm 24VDC

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 Square Brushless Motor 6 Slots
- 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: 6 Pole brushless motor , brushless motor 24v,
24v brushless dc 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	HC42BLFS40	HC42BLFS60	HC42BLFS80	HC42BLFS100
Number of poles	8			
Number of phases	3			
Rated voltage (VDC)	24			
Rated speed (rpm)	4000			
Rated torque (N.m)	0.063	0.125	0.185	0.25
Rated current (A)	2	3.5	5.5	7.5
Rated power (W)	21	41	63	81
Peak torque (N.m)	0.195	0.39	0.6	0.78
Peak current (A)	6	10.5	16.5	22.5
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	48	72	96
Body length L (mm)	40	60	80	100
Weight (kg)	0.3	0.45	0.65	0.8

Outline:



