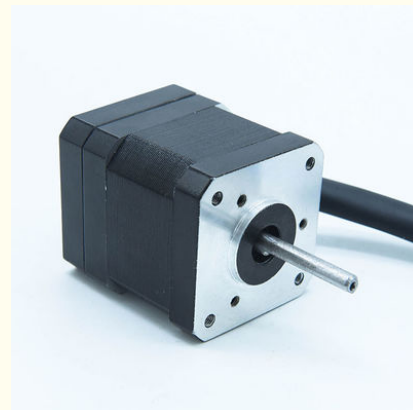




NEMA 17 42mm High Speed Brushless DC Motor HC42BLFS

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 12 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: **NEMA 17 Brushless Motor, high speed brushless motor HC42BLFS, high speed brushless dc motor**



Product Description

42mm Square Brushless Motor 6 Slots

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	28N
Maximum axial load	10N

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	HC42BLF48	HC42BLF64	HC42BLF80	HC42BLF96
Number of poles	8			
Number of phases	3			
Rated voltage (VDC)	24			
Rated speed (rpm)	3000			
Rated torque (N.m)	0.065	0.13	0.2	0.26
Rated current (A)	1.2	2.5	3.5	4.5
Rated power (W)	21	41	63	81
Peak torque (N.m)	0.195	0.39	0.6	0.78
Peak current (A)	3.6	7.5	10.5	13.5
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)	48	64	80	96
Weight (kg)	0.3	0.45	0.65	0.8

Outline:

