



57mm Dia Brushless Direct Current Motor Low Noise Hall Effect Angle 120 Degree

Our Product Introduction

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 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: **Brushless Direct Current Motor ,
57mm Brushless Motor ,
120 Degree Brushless Motor**



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Product Description

57mm 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	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	HC57BLY 47	HC57BLY 52	HC57BLY 62	HC57BLY 72	HC57BLY 92	HC57BLY1 12
Number of poles	4					
Number of phases	3					
Rated voltage (VDC)	24					
Rated speed (rpm)	3000					
Rated torque (N.m)	0.07	0.11	0.18	0.22	0.33	0.45
Rated current (A)	1.5	2	3.5	4	6	8
Rated power (W)	25	41	57	79	110	140
Peak torque (N.m)	0.21	0.33	0.54	0.66	0.99	1.35
Peak current (A)	4.5	6	10.5	12	18	24
Back EMF constant (Vrms/Krpm)	6	6.3	6.4	6.2	6	6.5
Torque constant (N.m/A)	0.058	0.062	0.06	0.059	0.057	0.065
Moment of inertia (g.cm ²)	30	45	60	120	180	240
Body length L (mm)	47	52	62	72	92	112
Weight (kg)	0.33	0.45	0.65	0.8	0.95	1.2

Outline:



