



86mm Square Brushless Motor 12 Slots 86BLF Square BLDC Motor

Our Product Introduction

Basic Information

- Place of Origin: Changzhou, China
- Brand Name: Hontru
- Certification: CE ISO RoHS
- Model Number: HC86BLF
- 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: 86mm Square Brushless Motor 12 Slots
- Number Of Poles: 8
- Number Of Phases: 3
- Rated Voltage (VDC): 48
- 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: 220N
- Maximum Axial Load: 60N
- Highlight: **86mm Square Brushless Motor,
Square Brushless Motor 12 slots,
86BLS Square BLDC 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	HC86BLF70	HC86BLF83	HC86BLF110	HC86BLF125	HC86BLF140
Number of poles	8				
Number of phases	3				
Rated voltage (VDC)	48				
Rated speed (rpm)	3000				
Rated torque (N.m)	0.35	0.7	1.4	1.8	2.5
Rated current (A)	4	7	11	15	19
Rated power (W)	110	220	440	660	750
Peak torque (N.m)	1.05	2.1	4.2	6.3	7.5
Peak current (A)	12	21	33	57	57
Back EMF constant (Vrms/Krpm)	10.5	11.5	13.5	11.5	12
Torque constant (N.m/A)	0.1	0.11	0.13	0.13	0.13
Moment of inertia (g.cm ²)	400	800	1600	2400	3200
Body length L (mm)	70	83	110	125	140
Weight (kg)	1.5	1.85	2.6	3.3	4

Outline:



