



Bldc High Torque 125W Brushless Electric Motor 3000RPM 24VDC Square

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 Square Brushless Motor
- Number Of Poles: 4
- 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: **bldc high torque motor ,
125W Brushless Electric Motor ,
brushless motor high torque**



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Specification

Motor model	HC57BLF59	HC57BLF80	HC57BLF101	HC57BLF122
Number of poles	3			
Number of phases	8			
Rated voltage (VDC)	24			
Rated speed (rpm)	3000			
Rated torque (N.m)	0.2	0.4	0.6	0.8
Rated current (A)	3.5	7	10.5	14
Rated power (W)	63	125	188	250
Peak torque (N.m)	0.6	1.2	1.8	2.4
Peak current (A)	10.5	21	31.5	42
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)	120	180	240	300
Body length L (mm)	59	80	101	122
Weight (kg)	0.6	1	1.4	1.8

Technical drawing of the 1000W 24VDC power supply showing front and top views with dimensions.

Front View Dimensions:

- Overall width: 25 ± 1
- Overall length: $L \pm 1$
- Mounting hole spacing: 1.6
- Input terminal width: 20
- Input terminal height: 7.5 ± 0.15
- Input terminal diameter: $\varnothing 8 \frac{0}{0.12}$
- Output terminal width: 5
- Output terminal height: 5
- Output terminal diameter: $\varnothing 8 \frac{0}{0.12}$

Top View Dimensions:

- Overall width: 56.4
- Overall length: 56.4
- Mounting hole spacing: 47.2 ± 0.2
- Mounting hole diameter: $4 \times \varnothing 5$
- Input terminal diameter: $\varnothing 8 \frac{0}{0.12}$
- Output terminal diameter: $\varnothing 8 \frac{0}{0.12}$
- Mounting hole diameter: $4 \times \varnothing 5$

Wiring Labels:

- AWG18# UL1430 (Input)
- AWG26# UL1430 (Output)

