



Home > Products > Motor power-Brushless Motor > 1/2 HP Brushless DC Motor



# 110W High Efficiency Micro Brushless DC Motors

Model Number:	BLDC0.11-40
Type:	Brushless DC Motor
Output Power:	100W-230W
DC Voltage:	24V DC - 230V DC
Speed Range:	5000 RPM
Poles:	4P, 6P, 8P...

Detailed information	
----------------------	--

Brand Name:	Volcano Electric	Model Number:	BLDC0.11-40	Type:	Brushless DC Motor
Output Power:	100W-230W	DC Voltage:	24V DC - 230V DC	Speed Range:	5000 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F/H
Enclosure:	IP44 / IP54	Poles:	4P, 6P, 8P...	Wire:	100% copper
Housing:	Aluminum	Efficiency:	over 85%		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	designed apply to servo applications
Application:	Parking system, hydraulic pump, medical pump, tools, industrial automation etc.				

At what applications you need Brushless DC motors replace conventional wound AC motors.

Any one of the below requirements.

1. Variable speed application
2. Require High Start Torque
3. Low /High speed application
4. Minimize Motor size demands
5. Customized Speed, work at any defined speed, ( the rated speed of AC motor is limited, 2 poles-3000RPM, 4 poles -1500RPM @50HZ, 2 poles-3600RPM, 4 poles -1800RPM @60HZ)

### Product Description

This 110W High efficiency, High torque low temperature rising, micro brushless DC motor adopt permanent magnet Halbach ring technology, with high energy density. Compared to the conventional electric motors, this motor has the following advantages.

1. Minimized Motor size. (smaller than conventional motors)
2. High torque
3. operating mute
4. low temperature rising

This motor is designed to apply to servo applications, with low cogging torque, it can be used in the applications which uses brushless DC motors. what's more, High precision servo application can be realized with the encoder.

The motor size is small, the diameter is D40mm and the length from 30mm to 80mm, it depends on the motor power. From 100W to 230W.



### Advantage of Brushless DC motors

- Lower maintenance and longer lifetime- no brush and commutator erosion
- Lower noise-the elimination of brush contact
- Higher power to weight ratio
- Higher efficiency ( in general higher than 90%)
- Lower temperature rise-more efficient heat dissipation due to winding construction
- Reduction of EMI

For customized DC Motors, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:

- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC ..... 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** Most motors are rated continuous. Some applications however may use motors designed for intermittent duty
- **Configuration/Frame** Our products are according to IEC standard, we also can customize the flange and shaft according to the customer drawing
- **Controller function** e.g. forward/reverse, variable speed, acceleration profile, etc.

---

Previous [560W 24V 2250RPM Brushless DC Motor](#)

Next [1.1KW Centrifugal Pump Motor](#)

You may like:

---



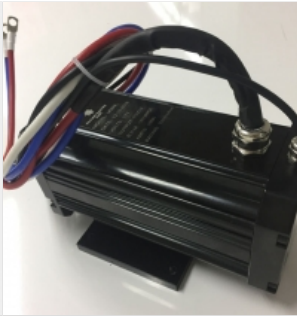
Hall Sensor BLDC Motor  
370W 12V For EV  
Application



24v 500w Higher Efficiency  
Hallsensor Bldc Motor



76V 400W 2000RPM IP54  
BLDC Motor



12V 1000W 1500RPM BLDC  
Motor With Hall Sensor



Sensored 12v 0.5hp  
3000rpm Bldc Motor



12v 600w 1800rpm  
Brushless Dc Motor With  
Hall Sensors



Customized 700W 24V  
Brushless DC Motor



1500RPM 400W 12V High  
torque Brushless DC Motor



600W 1800RPM 48V DC  
Brushless Motor



150W Brushless DC Motor  
In Textile Machinery

DC Motor Manufacturer & Supplier in China  
Email: [info@volcanomotor.com](mailto:info@volcanomotor.com) | Tel: 86-18157453060

[About Us](#) [Products](#) [Solutions](#) [Contact Us](#) [Feedback](#) [Search](#)

Copyright © Ningbo volcanic electric co.,LTD