



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



2HP 24V 3500RPM Hall Sensor Brushless DC Motor

Model Number:	VOL-BL370C60
Type:	Brushless DC Motor
Output Power:	1500kw
DC Voltage:	24V
Speed Range:	3500 RPM
Poles:	4P, 6P, 8P...

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

Brand Name:	Volcano Electric	Model Number:	VOL-BL370C60	Type:	Brushless DC Motor
Output Power:	1500kw	DC Voltage:	24V	Speed Range:	3500 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class F
Enclosure:	IP44 / IP54	Poles:	4P, 6P, 8P...	Wire:	100% copper Coil
Current:	4.4 A	Sensor:	Hall sensor	Certification:	CE,UL,ROHS
Housing:	Aluminum frame	Efficiency:	up to 85%		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC / Custom
Application:	Boat, Car, EV, Fan, Home Appliance, Traction Motor, Pump, bus A/C systems ,Other				

Product Description

Volcano Electric can provide customer several specifications of DC motor. The voltage can be from 12v DC to 380v AC. The max. power can be up to 10KW. Not only have IEC/NEMA standard motor, but also accept customized. Tell us your require, we will give you a perfect motor. Please feel free to contact our team at info@volcanomotor.com for any technical support.

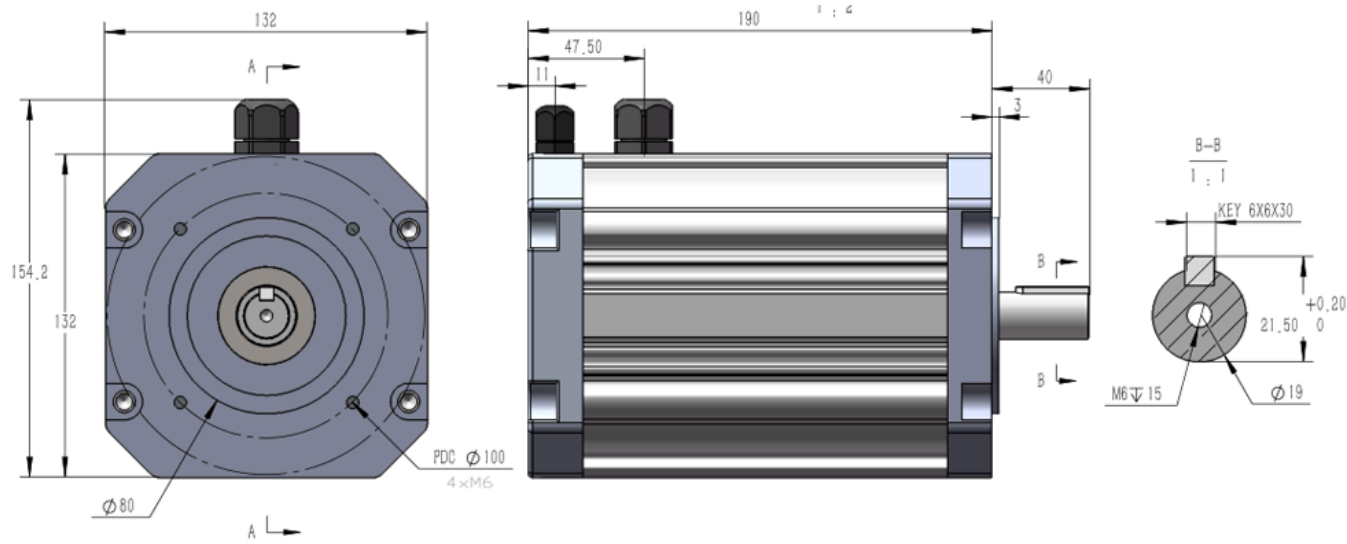
Compared with brushed dc motor, the biggest advantage of the brushless dc motor is the efficiency. These motors are able to control continuously even at maximum rotation force. While the brushed motor can not do. For the [brushed motor](#), if need to delivery the same torque value, it will requires even a larger magnet. That the reason why bldc motor is smaller yet it can make considerable power.

What is the role of the hall sensor in a DC motor

When a conductor through which a current flows is placed in a magnetic field, the magnetic field creates a lateral (or lateral) force on the charge carrier, pushing them to the side of the negative electrode of the conductor. The other party is negative and the other party is positive. This

accumulation of charge on the side of the conductor produces a voltage

Configuration



*CAN MAKE ACCORDING TO YOUR REQUIRMENT

Brushless motor list

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
VOL-BL150A24	1.5	24	80.6	3500	4.09	8	85	60
VOL-BL180C60	1.8	60	32.6	1100	15.6	8	92	61
VOL-BL185C24	1.85	24	81.5	2100	8.41	8	92	60
VOL-BL250A72	2.5	72	37.74	1500	15.92	8	92	60
VOL-BL270C60	2.7	60	48.9	1100	23.4	8	92	61.5
VOL-BL280C60	2.8	60	50.8	1100	24.3	8	92	61.5
VOL-BL280C48	2.8	48	67.8	2600	10.3	8	86	61
VOL-BL300C48	3.0	48	67.6	2650	10.81	8	92.5	61
VOL-BL300C72	3.0	72	46.8	1850	15.5	8	89	61
VOL-BL350C60	3.5	60	69.5	1680	19.9	8	84	61
VOL-BL400C48	4.0	48	90.6	2580	14.81	8	92	62
VOL-BL550C72	5.5	72	85.6	3680	14.27	8	89.2	63

Advantages of Brushless DC motor:

- Lower Maintainance 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 12V 1000W 1500RPM BLDC Motor With Hall Sensor

Next 220V 750W 3000RPM 6P Brushless DC Motor

You may like:

 	 	 	 	 
48V 90% Efficiency 1500W Hall Sensor EV Motor With Brake	310VDC 1500W 3500RPM BLDC Motor	60V 3500W High Power BLDC Motor	3KW 3000RPM IEC 90 Brushless DC Motor	3.7KW 60V 3600RPM Electric Brushless DC Motor
 				
2.5KW 72V Hall Sensor Brushless DC Motor	2.8KW 48V Sensorless BLDC Motor Driver	1.5 KW Brushless DC motors IEC 90L Frame	2000W 60V 3000RPM Brushless DC Motor	



3750 RPM High Speed
Brushless DC Electric Motor

DC Motor Manufacturer & Supplier in China
Email: info@volcanomotor.com | Tel: 86-18157453060

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

Copyright © Ningbo volcanic electric co.,LTD