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600W 1800RPM 48V DC Brushless Motor

Model Number:	VOL-BL0.6C48
Type:	Brushless DC Motor
Output Power:	600w
DC Voltage:	48V
Speed Range:	1800 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL0.6C48	Type:	Brushless DC Motor
Output Power:	600w	DC Voltage:	48V	Speed Range:	1800 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:	up to 92%		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC standard or NEMA standard
Application:	Boat, Car, EV, Fan, Home Appliance, Traction Motor, Pump, bus A/C systems ,Other				

Product Description

600W 1800RPM 48V DC Brushless Motor is a low voltage high torque brushless dc motor. The brushless dc motor is widely used in applications including home appliance, cars ,tools, industrial auto-control ,etc. It is a synchronous electric motor which is powered by direct current electricity and which has an electronically controlled commutation system, instead of a mechanical commutation system based on brushes. We can manufacture products according to customer's requirements. In every steps of production, we will test the rotor and stator to guarantee the quality of our products.

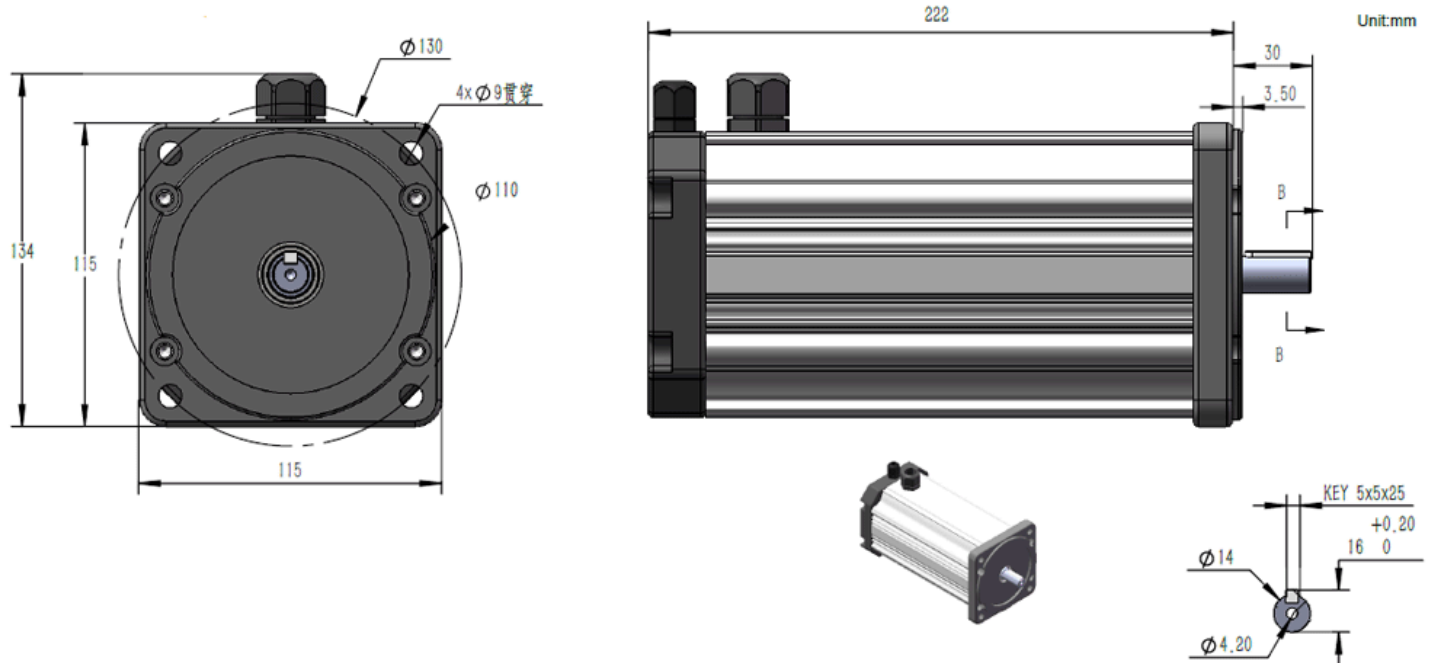
Please feel free to contact our team at info@volcanomotor.com for any technical support.

How to Select a [Brushless DC Motor](#)

Selecting the appropriate Brushless DC Motor requires knowing the requirements of the application, such as torque, speed, size, power, length, etc. While determining which Brushless DC Motor best fits the requirements, the controller must be considered as well, as this goes hand in hand with the operation of the Brushless DC Motor.

Lastly, environment is important to consider. Applications requiring a harsh, damp environment may require motors with specific IP ratings.

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-BL0.6C12	0.6	12	54.35	1800	3.18	8	92	62
VOL-BL0.6C24	0.6	24	27.17	1800	3.18	8	92	62
VOL-BL0.6C48	0.6	48	13.59	1800	3.18	8	92	62
VOL-BL0.6C72	0.6	72	9.06	1800	3.18	8	92	62
VOL-BL0.6C110	0.6	110	3.42	1800	3.18	8	92	62
VOL-BL0.6C220	0.6	220	1.71	1800	3.18	8	92	62

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 1500RPM 400W 12V High torque Brushless DC Motor

Next 150w Halbach Array Electric 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	150W Brushless DC Motor In Textile Machinery	
				
560W 24V 2250RPM Brushless DC Motor				

DC Motor Manufacturer & Supplier in China
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