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6hp 3000rpm Powerful Brushless Dc Motor

Model Number:	VOL-BL450B220
Type:	Brushless DC Motor
Output Power:	6HP (4.5kw)
DC Voltage:	220V AC
Speed Range:	3000 RPM
Poles:	6P

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL450B220	Type:	Brushless DC Motor
Output Power:	6HP (4.5kw)	DC Voltage:	220V AC	Speed Range:	3000 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B
Enclosure:	IP54	Poles:	6P	Wire:	100% copper
Housing:	Aluminum Frame	Efficiency:	IE2	Certification	CE, ROHS, UL
Duty:	S1	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC standard or NEMA standard
Application:	Industrial machinery, Boat, Car, Traction Motor, Pump, bus A/C systems, Other				

Product Description

6hp 3000rpm powerful brushless dc motor is fully match the standard of International Electrician's Committee(IEC), And have the international compatibility, Widely used in most countries in the world. The series has high torque, Beautiful shape, Low load noise, Long service life.

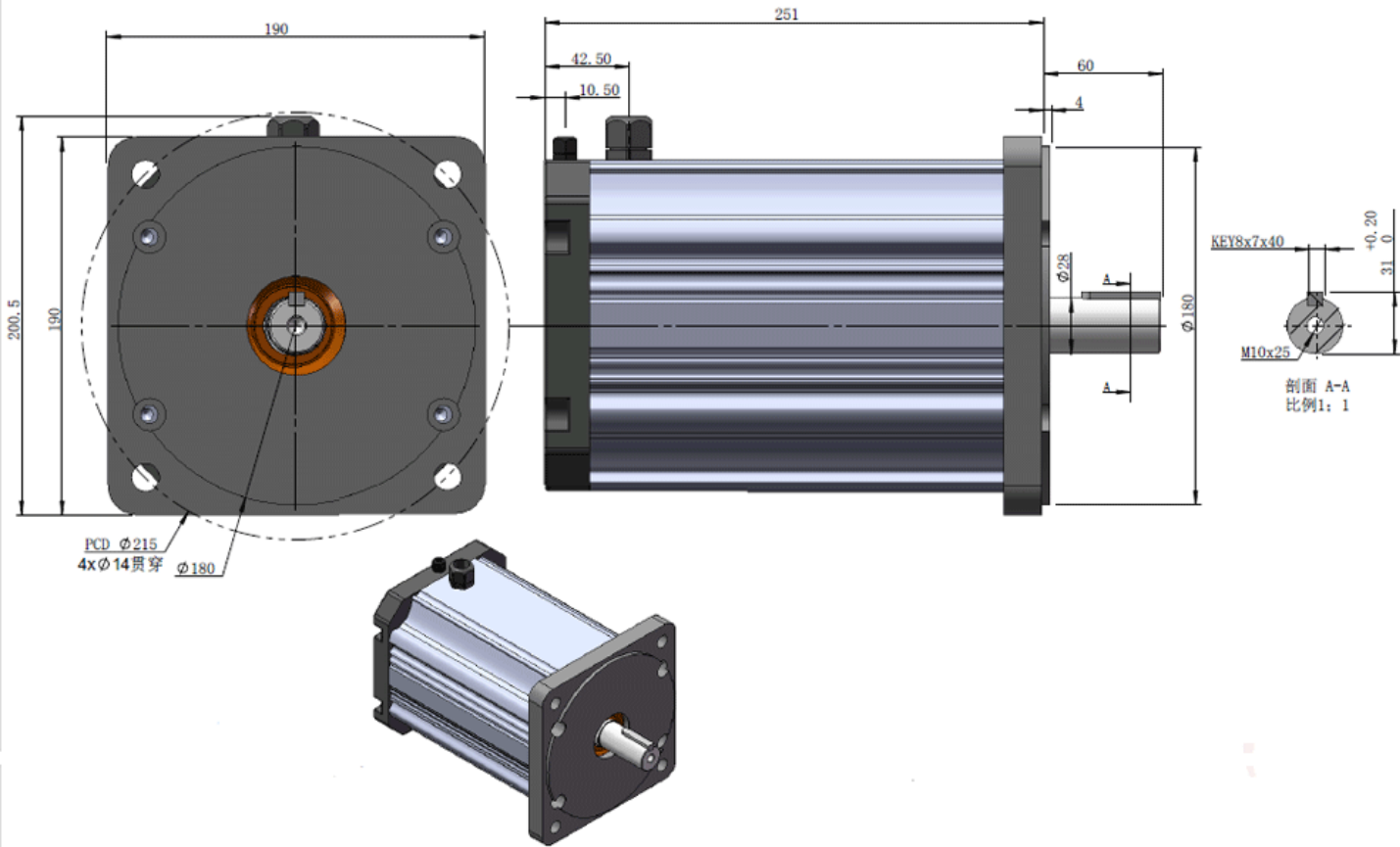
Volcano Electric can provide the certification as CE, ROHS, UL and so on. The motor has a permanent magnet stator, a copper coil winding, a rotor and a aluminum frame. IP54 can meet most of the demands. Absolutely, we also can provide the other IP class just tell us your requirement.

Why you choose Brushless DC Motor

Brushless dc motor has the brushes dc motor's characteristics, but the most obvious difference is lack of brushes and commutator than the brushes dc motor.

- 1.low electromagnetic influence, low noise. Brushless dc motor has no brush, the friction is greatly reduced in running and reduced the spark radio interference.
- 2.High efficiency Brushless dc motor has its self-control and the rotor operates in any case that the system efficiency is up to 90%.
- 3.No spark, smooth operation. Brushless dc motor has no brushes, the friction is reduced when working and smooth operation.
- 4.long life, low maintenance cost. BLDC don' t have the brushes which will wear out or break and need to be replaced. This point make the BLDC have much longer service life and save your money.

Configuration



*CAN MAKE ACCORDING TO YOUR REQUIRMENT

Brushless motor list

Electric motor parameter of brushless dc motor

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
VOL-BL300C48	3.0	48	67.6	2650	10.81	6	92.5	61
VOL-BL300B72	3.0	72	46.8	3000	9.55	6	89	61
VOL-BL350C60	3.5	60	69.5	1680	19.9	6	84	61
VOL-BL370C60	3.7	60	73.41	3600	9.82	6	84	61
VOL-BL400C48	4.0	48	90.6	2580	14.81	6	92	62
VOL-BL450A72	4.5	72	67.93	1500	28.65	6	92	62
VOL-BL450B220	4.5	220	12.84	3000	14.33	6	92	62
VOL-BL500C72	5.0	72	75.48	3600	13.26	6	92	62
VOL-BL550C72	5.5	72	85.6	3680	14.27	6	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%)
- Flexible design. The range of voltage, speed range, torque, power, work time, etc can be customized.
- Light weight

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 Customized 4.5kw 72v 1500rpm Brushless Dc Motor

Next 5kw 72v Brushless Dc Motor With Hall Sensor

You may like:

 	 	 	 	 
48v 4.5kw 1500rpm BLDC Motor	72V 5500W 3680rpm Brushless Electric Motor With Controller	251mm 72V 4KW Hall Sensor BLDC Motor With Controller	251mm 48V 4000W 2580rpm Hall Sensor With Controller BLDC Motor	48V 4100W High Power NEMA Frame BLDC Motor



Customized 4.5kw 72v
1500rpm Brushless Dc
Motor

		
5kw 72v Brushless Dc Motor With Hall Sensor	5.5HP 48V High Power Brushless DC Motors	5500W High Power High RPM BLDC Motors

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