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Customized 4.5kw 72v 1500rpm Brushless Dc Motor

Model Number:	VOL-BL450A72
Type:	Brushless DC Motor
Output Power:	4.5kw
DC Voltage:	72V
Speed Range:	1500 RPM
Poles:	4P

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL450A72	Type:	Brushless DC Motor
Output Power:	4.5kw	DC Voltage:	72V	Speed Range:	1500 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F
Enclosure:	IP54	Poles:	4P	Wire:	100% copper
Housing:	Aluminum	Efficiency:	IE4	Certification	CE, ROHS, UL
Duty:	continuous	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC standard or NEMA standard
Application:	Car, Electric Bicycle, Home application, Pump, bus A/C systems ,Other				

Product Description

Customized 4.5kw 72v 1500rpm Brushless dc motor is a widely used dc motor which will be used in car, electric bicycle, home applications and so on.

A brushless dc motor has:

- 1.A rotor with permanent magnets and a stator with windings
- 2.Eliminated the brushes and commutator, electronically controlled commutation.
- 3.Inner rotor
- 4.Aluminum Housing

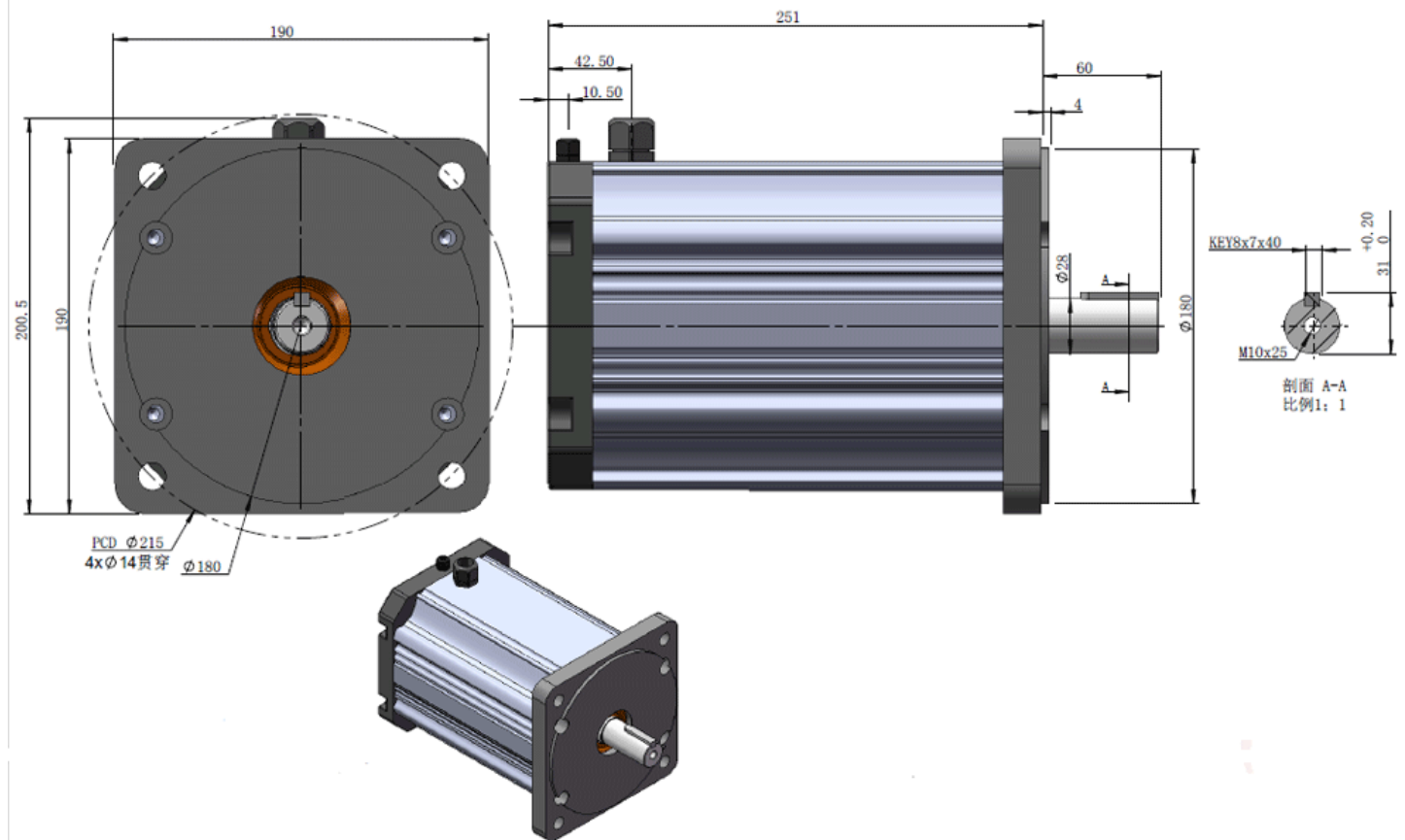
Why you choose Brushless DC Motor

Brushless dc motor have the characteristics of brushes dc motor but BLDC eliminates the brushes and a commutator instead of a hell controller. This change makes the BLDC have longer life, however the cost of production is higher than the brushes dc motor. Brushless dc motor uses a permanent magnet rotor that it can synchronous operate in any case. The system efficiency up to more than 90%

Applications

Our DC motors are primarily used in Electric Bicycle, car, home applications. Whatever, they can be used in many applications demanding high efficiency and dependability.

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-BL300C48	3.0	48	67.6	2650	10.81	4	92.5	61
VOL-BL300B72	3.0	72	46.8	3000	9.55	4	89	61
VOL-BL350C60	3.5	60	69.5	1680	19.9	4	84	61
VOL-BL370C60	3.7	60	73.41	3600	9.82	4	84	61
VOL-BL400C48	4.0	48	90.6	2580	14.81	4	92	62
VOL-BL450A72	4.5	72	67.93	1500	28.65	4	92	62
VOL-BL500C72	5.0	72	75.48	3600	13.26	4	92	62
VOL-BL550C72	5.5	72	85.6	3680	14.27	4	89.2	63

Note: The typical specifications below are just for your reference. BLDC motors can be customized. Please feel free to contact us if you can't find

the motor you required. We are always here being ready to help.

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

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 60V 3500W High Power BLDC Motor Next 6hp 3000rpm Powerful Brushless Dc Motor

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
				

6hp 3000rpm Powerful
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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