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24V Brushless DC Motor 3000rpm for Vehicle

Model Number:	VOL-BL07B24
Type:	Brushless DC Motor
Output Power:	1HP(750W)
DC Voltage:	24V
Speed Range:	3000 RPM
Poles:	2P

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL07B24	Type:	Brushless DC Motor
Output Power:	1HP(750W)	DC Voltage:	24V	Speed Range:	3000 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F
Enclosure:	IP54	Poles:	2P	Wire:	100% copper Coil
Current:	36.76A	Sensor:	Hall sensor, Magnetic encoder	Certification:	CE,UL,ROHS
Housing:	Aluminum frame	Efficiency:	85%		
Duty:	S1, S2, S3	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC / Customized
Application:	Boat, Car, Sightseeing cars, Home Appliance, Oil Pump, Vehicle, Drilling machine				

What is BLDC motor

Brushless dc motor, also known as BLDC motor, is a synchronous motor which powered by direct current. The rotor has the permanent magnet, so we also call it permanent magnet dc motor. The stator is 100%copper coil. It can install the hall sensor, magnetic encoder or other encoders. The simple structure make the brushless dc motor more lightweight and smaller size.

Different than the ordinary dc motors, brushless dc motor can provide more efficiency(up to 90%), have a large range of the speed , higher torque and so on.

More and more people choose to use the brushless dc motor rather than other dc motors cause of its advantages.

Product Description

24V DC Brushless DC Motor 3000rpm for Vehicle is a popular model which highly used for vehicle. Lots of our customers are willing to use it to their vehicle competition, like the Shell- Eco Marathon, Electric Solar Vehicle Championship(ESVC), Formula Sun Grand PRIX and so on. At the same time, our brushless dc motors are widely used in Indian market for vehicle.

Not only this specification, also can design the motor as your wish. Accept to customized .

We insist that quality and honesty come first. Waiting for you and feel free to contact our team at info@volcanomotor.com for any technical support.

Specifications

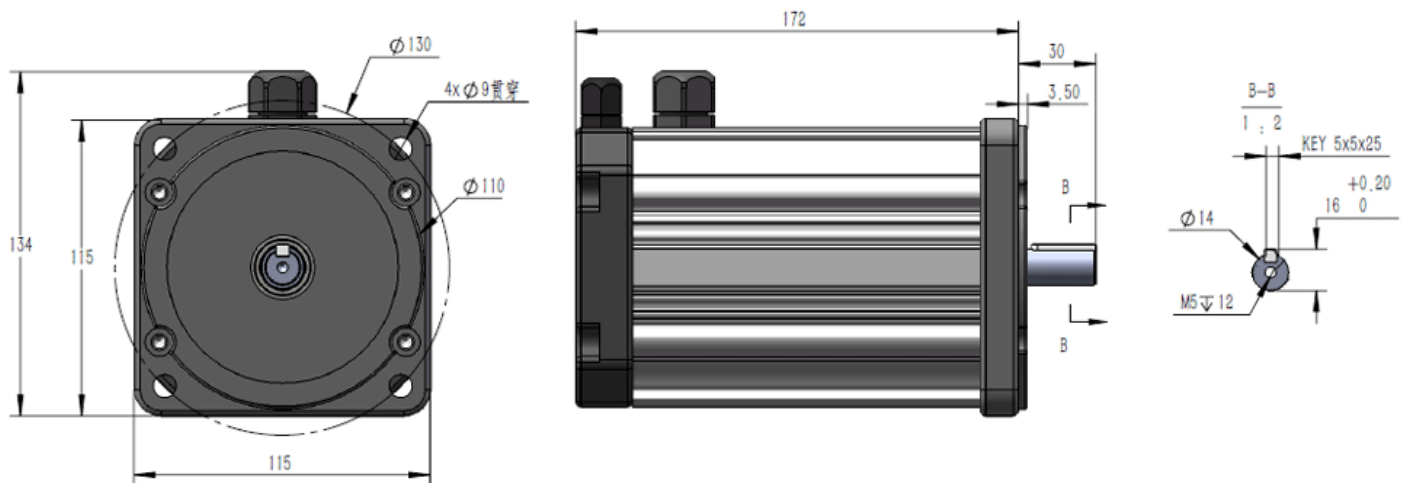
Motor type	VOL-BL07B24
Rated power	1HP(750W)
Rated speed	3000RPM
Rated torque	2.39N.m
Current	36.76A
Voltage	24V
Insulation class	Class F
Frequency	50/60Hz

What can we provide

We promises to provide the most suitable and high efficiency motors for you. The motor efficiency will no less than 80%. To provide the prefect product, we test the motors before ship it out.

For now, we develop the motor to make less heat. Not only by the fan, air cooling and liquid cooling.

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-BL03B12	0.375	12	36.76	3000	1.19	2	85	62
VOL-BL06C12	0.6	12	58.82	1800	3.18	2	85	62
VOL-BL07B24	0.75	24	36.76	3000	2.39	2	85	62
VOL-BL090C24	0.9	24	44.6	2600	3.31	8	84	60

VOL-BL100C48	1	48	24.5	2500	3.82	8	85	60
VOL-BL120C24	1.2	24	63.3	4200	2.73	8	79	60
VOL-BL125C24	1.25	24	62	3200	3.73	8	84	60
VOL-BL130C36	1.3	36	40.12	3200	3.88	8	90	60
VOL-BL150C24	1.5	24	73.5	2590	5.53	8	85	61

Advantages of Brushless DC motor:

- 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
- Simple structure
- Higher speed range- no limit of brushes and commutator

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 Hall Sensor 48v 1hp 2000rpm Permanent Magnet Dc Motor

Next Sensored 12v 0.5hp 3000rpm Bldc Motor

You may like:

				
220V 750W 3000RPM 6P Brushless DC Motor	48v 1kw 3000rpm Brushless Dc Motor For Electric Vehicle	48V High Torque 1000W Hall Sensor EV Motor	30V 1000W IP54 Brushless DC EV Motor With Hall Sensor	BLDC 24V 1200W 2300RPM EV Motor High Efficiency

				
48V 1000W IP54 Brushless DC Motor Hall Sensor	24V 750W 3000RPM Brushless DC Motor	High efficiency 1000w 110v 1500rpm Brushless DC Motor	Custom 1.5KW 48V 1800RPM Brushless DC Motor	48V 750W 3000RPM Sensored Brushless DC Motor

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