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3KW 3000RPM IEC 90 Brushless DC Motor

Model Number:	VOL-BL300B72
Type:	Brushless DC Motor
Output Power:	3KW
DC Voltage:	72V
Speed Range:	3000 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL300B72	Type:	Brushless DC Motor
Output Power:	3KW	DC Voltage:	72V	Speed Range:	3000 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 90%		
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				

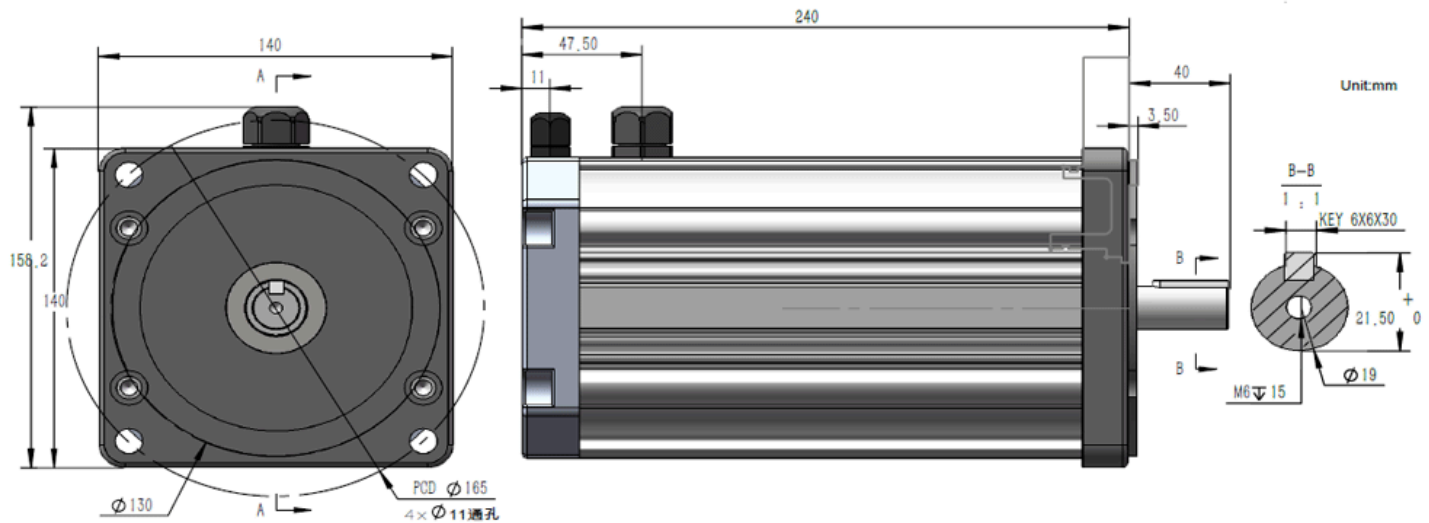
Product Description

The Brushless DC (BLDC) motor is the ideal choice for applications that require high reliability, high efficiency, and high power-to-volume ratio. Generally speaking, a BLDC motor is considered to be a high performance motor that is capable of providing large amounts of torque over a vast speed range. More and more people, more and more application prefer to choose the brushless dc motor rather than brushed dc motor.

About the motor commutation, in a brushed DC motor, the motor assembly contains a physical commutator which is moved by means of actual brushes in order to move the rotor. With a BLDC motor, electrical current powers a permanent magnet that causes the motor to move, so no physical commutator is necessary.

At the same time, the brushless dc motor have a longer life than brushed dc motor. It can work more than doubling the life. And BLDC motor have low noise and lightweight. It's suit for a lots of applications, like mobile applications, truck pumps, car air application, aircraft and so on.

Configuration



*CAN MAKE ACCORDING TO YOUR REQUIREMENT

Brushless motor list

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
VOL-BL155C45	1.55	45	40	4300	3.44	8	86	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-BL300B72	3.0	72	46.8	3000	9.55	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 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
- 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 5kw 72v Brushless Dc Motor With Hall Sensor

Next 3.7KW 60V 3600RPM Electric Brushless DC Motor

You may like:

				
48V 90% Efficiency 1500W Hall Sensor EV Motor With Brake	310VDC 1500W 3500RPM BLDC Motor	2HP 24V 3500RPM Hall Sensor Brushless DC Motor	60V 3500W High Power BLDC 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				

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