



Home > Products > Motor power-Brushless Motor > 2 HP Brushless DC Motor



## 72V 2 HP Brushless DC Motor

Model Number:	BLDC1.5-100
Type:	Brushless DC Motor
Output Power:	2HP ( 1.5KW)
DC Voltage:	72V
Speed Range:	3200 RPM
Poles:	4P, 6P, 8P...

### Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC1.5-100	Type:	<a href="#">Brushless DC Motor</a>
Output Power:	2 HP (1500W)	DC Voltage:	72V	Speed Range:	3200 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 / NEMA standard
Application:	Boat, Car, Electric Bicycle, Fan, Home Appliance, Traction Motor, Solar Pump DC systems, bus A/C systems ,Other				

### Product Description

brushless DC motors feature high torque, high speed with a small size and weight; brushless DC motors are ideal for heavy duty servo applications with frequent overload conditions as well as for continuous duty applications where maximum operational lifetime is required.

With permanent magnets which rotate within a fixed armature, the BLDC motors features a brushless commutation design for long lasting performance.

BLDC Motors with Speed Controller feature integrated drive electronics and sensor-less electronic commutation.

2 HP Brushless DC Motor can be designed at various voltage, 12V,24V,48V,60V,72V,120V...380V...

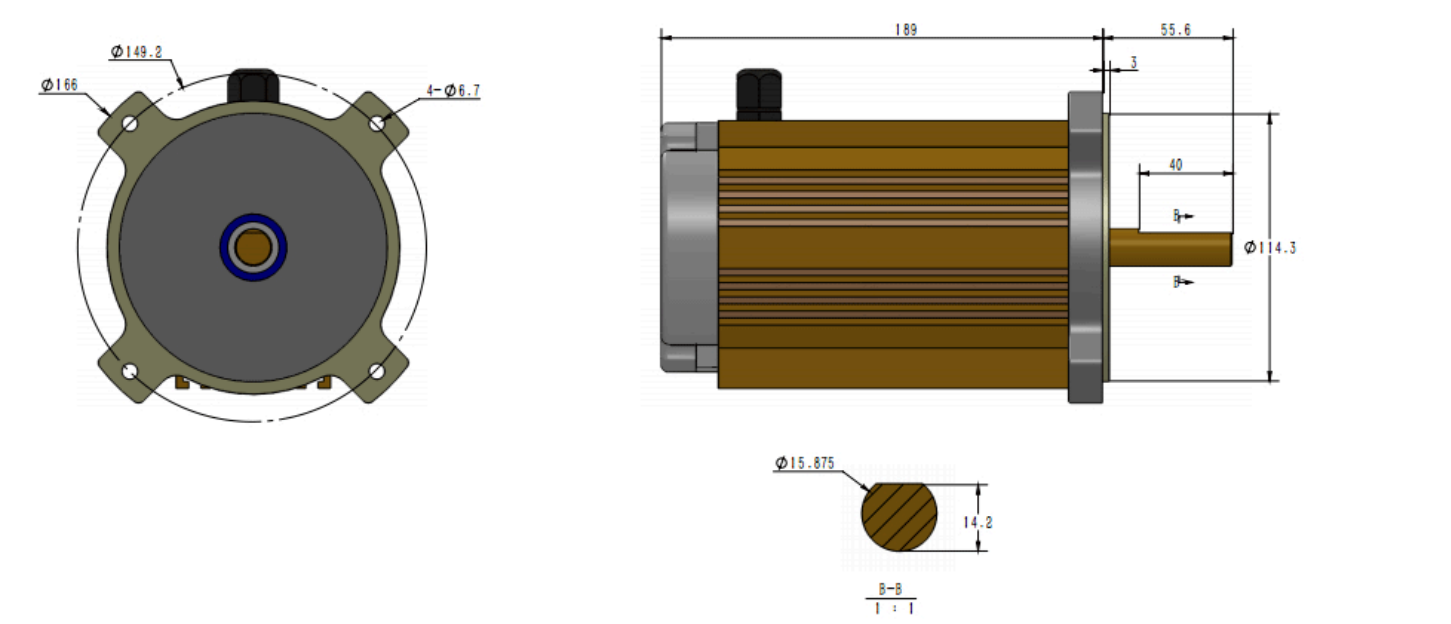
With our professional technical team, we can produce various power rated Brushless DC motors such as 1/2HP,1HP,1.5HP,2HP,3HP,5HP,10HP... brushless DC Motors. Please feel free to contact our team at [info@volcanomotor.com](mailto:info@volcanomotor.com) for any technical support.

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

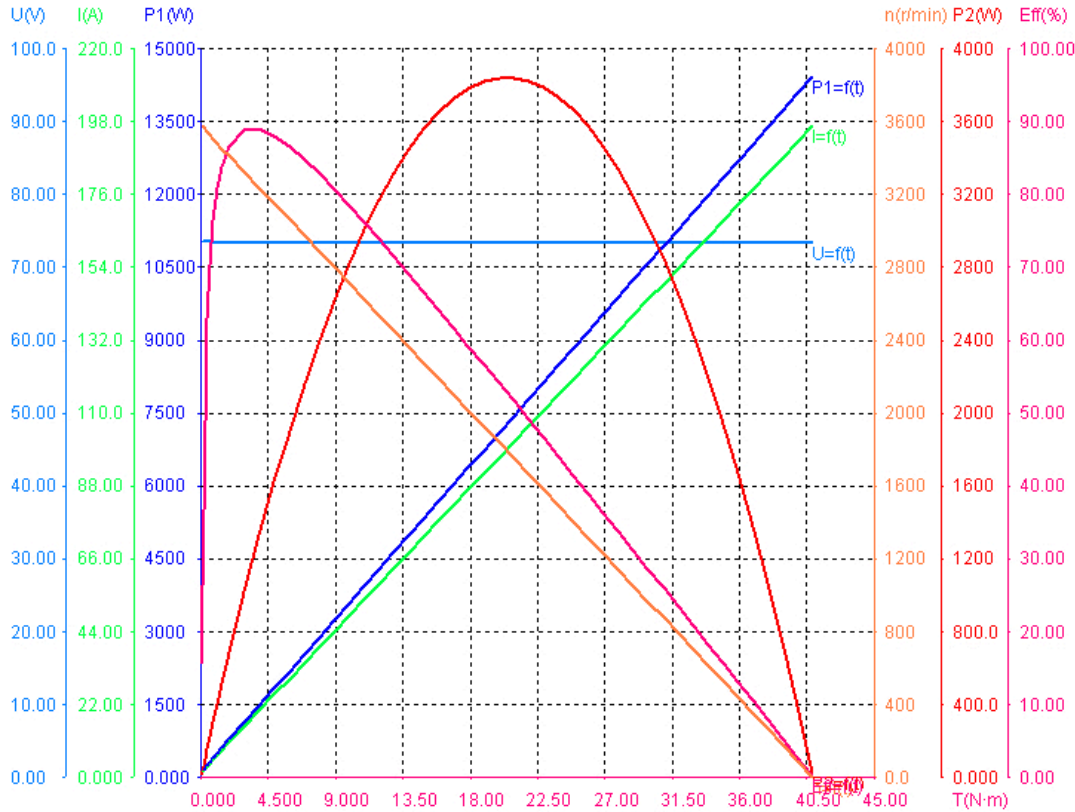
Brushless motor list

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
BLDC0.9-100	0.9	24	44.6	2600	3.31	8	84	60
BLDC1.2-100L	1.2	24	63.3	4200	2.73	8	79	60
BLDC1.2-100	1.2	36	39.7	2270	5.05	8	84	60
BLDC1.25-100	1.25	24	62	3200	3.73	8	84	60
BLDC1.5-100	1.5	24	73.5	2590	5.53	8	85	61
BLDC1.5-100	1.5	72	23.5	3200	4.48	8	89	61
BLDC2.0-100	2	24	98.6	3360	5.68	8	84.5	61.5
BLDC2.5-100	2.5	24	123	3350	7.13	8	84.7	61.5

### Advantage of Brushless DC motors

- 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

### Performance of 1500W 72V 3200RPM brushless DC motor



For customized DC Motors, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:

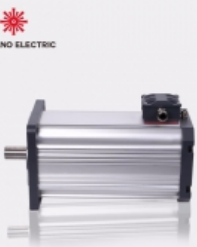



- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC ..... 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** 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 3kw 48v BLDC Motor](#)

[Next High Torque High RPM 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	3KW 3000RPM IEC 90 Brushless DC 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