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## 620W 72V 6 Pole Brushless DC Motor

|               |                    |
|---------------|--------------------|
| Model Number: | BLDC0.8-90         |
| Type:         | Brushless DC Motor |
| Output Power: | 0.8HP              |
| DC Voltage:   | 72V                |
| Speed Range:  | 1550rpm            |
| Poles:        | 4P, 6P, 8P...      |

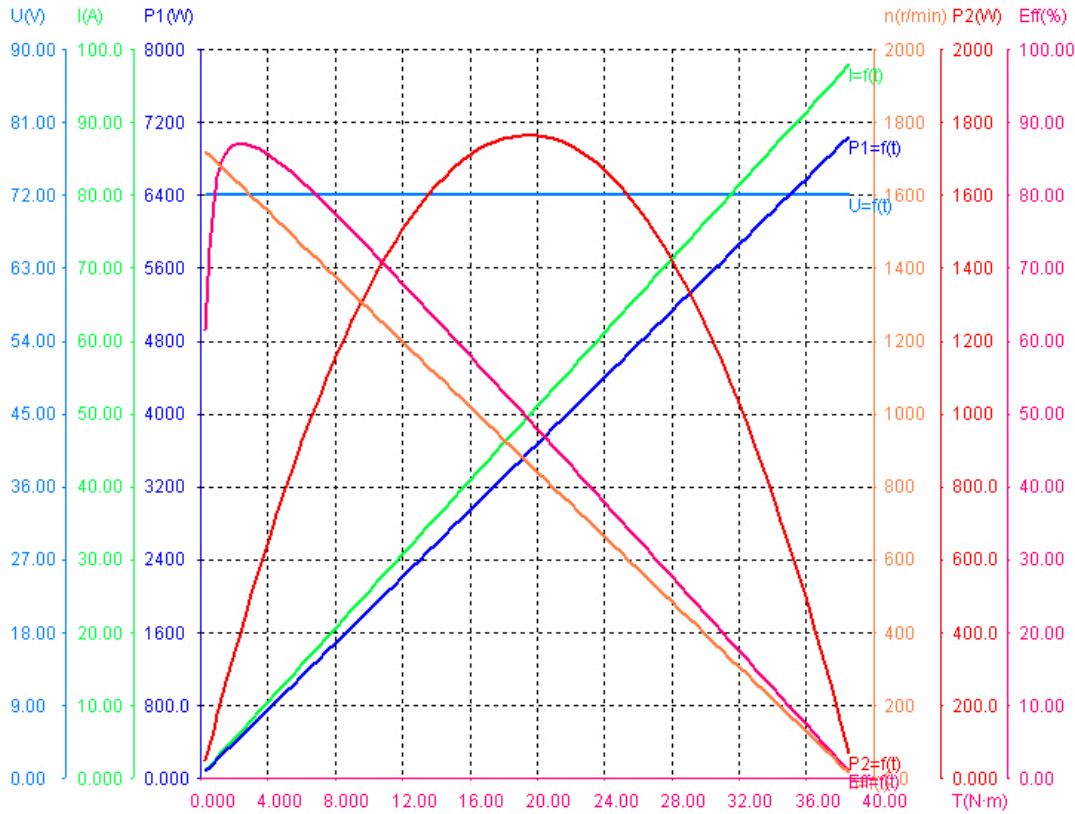
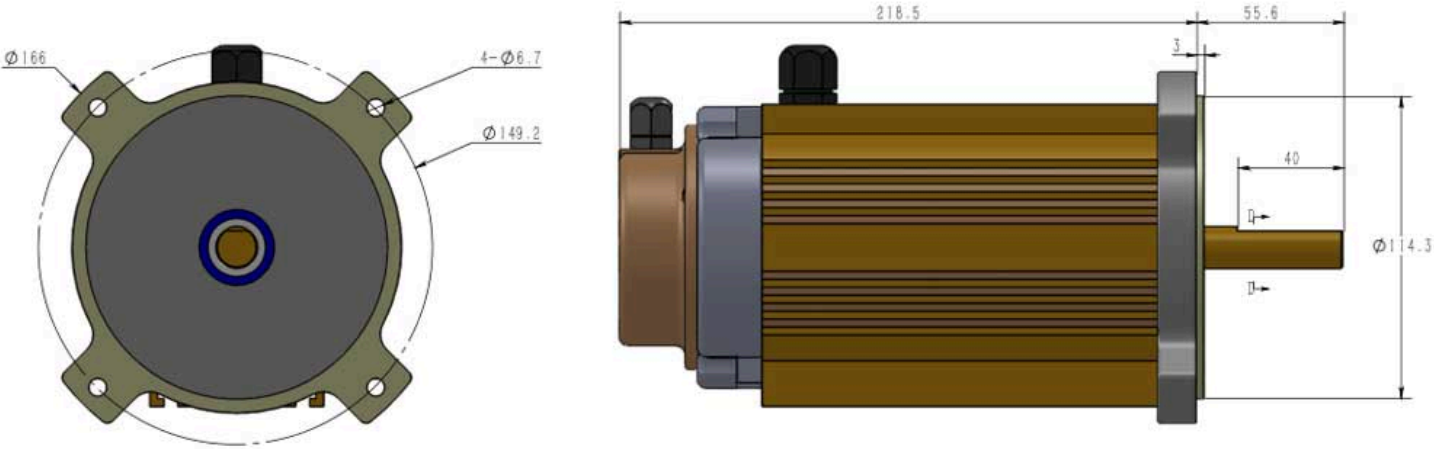
Detailed information

|               |   |                  |                            |                   |                                    |
|---------------|---|------------------|----------------------------|-------------------|------------------------------------|
| Brand Name:   | Volcano Electric  | Model Number:    | BLDC0.8-90                 | Type:             | <a href="#">Brushless DC Motor</a> |
| Output Power: | 0.8HP (620W)  | DC Voltage:      | 72V                        | Speed Range:      | 1550 RPM                           |
| Controller:   | Customized, Optional  | Braker:          | Optional                   | Insulation Class: | Class B/F/H                        |
| Enclosure:    | IP65  | Poles:           | 4P, 6P, 8P...              | Wire:             | 100% copper                        |
| Housing:      | Aluminum  | Efficiency:      | IE 4.0                     |                   |                                    |
| Duty:         | S1 (continuous)   | Place of Origin: | Zhejiang, China (Mainland) | Standard:         | IEC standard or NEMA standard      |
| Application:  | Boat, Car, Electric Bicycle, Fan, Home Appliance, Traction Motor, Solar Pump DC systems, bus A/C systems ,Other |                  |                            |                   |                                    |

### Product Description

This motor is designed with 6 pole Brushless DC motor, used for maximum performance applications with stringent specifications, and feature high torque-to-inertia ratios, high speed capability of up to 5000 rpm for typical designs,high operating efficiencies and high power densities.

### Configuration



| Model       | Power Kw | Voltage V | Current A | Speed RPM | Nominal torque N.m | Productive needs % | Noise dB |
|-------------|----------|-----------|-----------|-----------|--------------------|--------------------|----------|
| BLDC0.26-76 | 0.2      | 48V       | 4.9       | 850       | 2.24               | 85                 | 60       |
| BLDC0.3-76  | 0.24     | 24V       | 11.8      | 1600      | 1.43               | 84                 | 60       |
| BLDC0.3-76  | 0.24     | 48V       | 5.9       | 2000      | 1.15               | 85                 | 60       |
| BLDC0.4-76  | 0.3      | 36V       | 9.8       | 2000      | 1.43               | 85                 | 60       |
| BLDC0.4-76  | 0.3      | 48V       | 7         | 2000      | 1.43               | 85                 | 60       |
| BLDC0.47-76 | 0.35     | 24V       | 7.4       | 1950      | 1.71               | 85                 | 60       |

|                    |      |      |      |      |      |      |      |
|--------------------|------|------|------|------|------|------|------|
| <b>BLDC0.5-90</b>  | 0.37 | 24V  | 18.1 | 3500 | 1    | 85   | 60   |
| <b>BLDC0.5-90</b>  | 0.37 | 24V  | 18.1 | 1600 | 2.23 | 85   | 60   |
| <b>BLDC0.55-90</b> | 0.37 | 250V | 1.7  | 1200 | 2.94 | 85   | 60   |
| <b>BLDC0.6-90</b>  | 0.45 | 300V | 1.8  | 1500 | 1.27 | 84   | 80   |
| <b>BLDC0.65-90</b> | 0.48 | 48V  | 11.8 | 3650 | 1.26 | 85   | 61   |
| <b>BLDC0.75-90</b> | 0.56 | 36V  | 18.3 | 2000 | 2.67 | 84.5 | 61.5 |
| <b>BLDC0.8-90</b>  | 0.62 | 72V  | 10.1 | 1550 | 3.82 | 84.7 | 61.5 |
| <b>BLDC0.9-90</b>  | 0.68 | 48V  | 16.7 | 1650 | 3.93 | 92.5 | 61   |

**\*CAN MAKE ACCORDING TO YOUR REQUIRMENT**

#### Advantages of Brushless DC motor:

- lower maintenance as they have no brushes to wear out
- higher starting torque due to rare earth magnets
- higher efficiency(over 90%)on sub fractional motors
- more compact design
- better heat disipation
- lower noise

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 1/2 HP 24V 1600rpm Brushless DC Motor](#)

[Next 450W 250V 1200RPM Brushless DC Motor](#)

You may like:



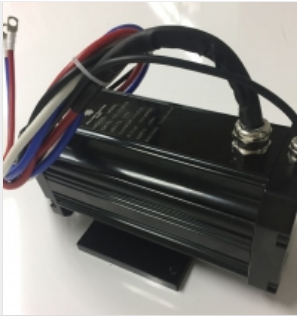
Hall Sensor BLDC Motor  
370W 12V For EV  
Application



24v 500w Higher Efficiency  
Hallsensor Bldc Motor



76V 400W 2000RPM IP54  
BLDC Motor



12V 1000W 1500RPM BLDC  
Motor With Hall Sensor



Sensored 12v 0.5hp  
3000rpm Bldc Motor



12v 600w 1800rpm  
Brushless Dc Motor With  
Hall Sensors



Customized 700W 24V  
Brushless DC Motor



1500RPM 400W 12V High  
torque Brushless DC Motor



600W 1800RPM 48V DC  
Brushless Motor



150W Brushless DC Motor  
In Textile Machinery

DC Motor Manufacturer & Supplier in China  
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