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24V 2400RPM 1HP Brushless DC Motor

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|---------------|--------------------|
| Model Number: | BLDC0.7-100 |
| Type: | Brushless DC Motor |
| Output Power: | 1HP |
| DC Voltage: | 24V |
| Speed Range: | 2400rpm |
| Poles: | 4P, 6P, 8P... |

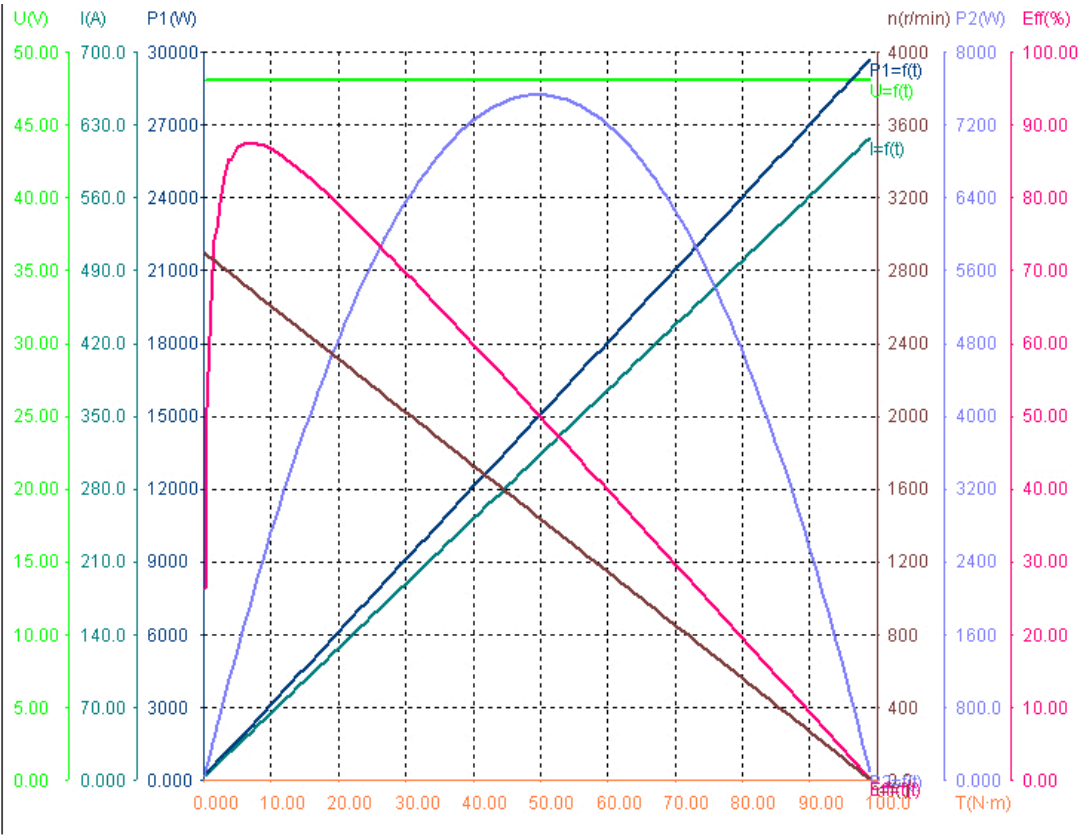
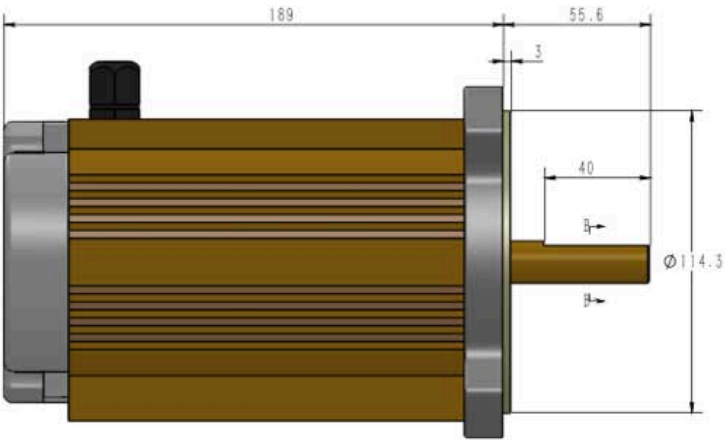
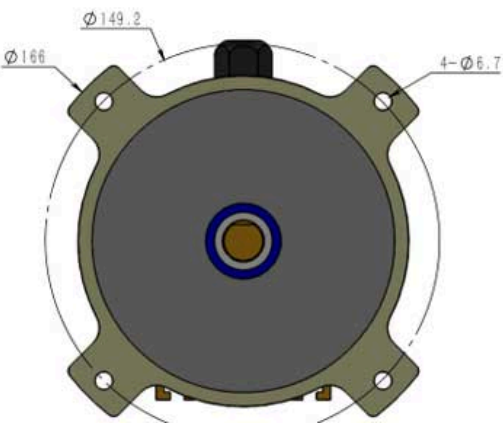
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| Detailed information | |
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|---------------|---|------------------|----------------------------|-------------------|-------------------------------|
| Brand Name: | Volcano Electric | Model Number: | BLDC0.7-100 | Type: | Brushless DC Motor |
| Output Power: | 1 HP (700W) | DC Voltage: | 24V | Speed Range: | 2400 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: | 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

As all of our Brushless DC motor are customized, this 1HP Brushless DC motor, is designed with 24V and 2400rpm. Also you could ask for the controller of this motor. Our brushless dc motor could change the speed as you need, even if you change the speed, the motor could still work with the high efficiency.

Configuration



*CAN MAKE ACCORDING TO YOUR REQUIRMENT

| Model | Power Kw | Voltage V | Current A | Speed Rpm | Nominal torque N.m | Efficiency % | Noise dB |
|--------------|----------|-----------|-----------|-----------|--------------------|--------------|----------|
| BLDC0.3-150 | 0.3 | 24V | 14.7 | 1500 | 1.91 | 85 | 60 |
| BLDC0.3-150 | 0.375 | 24V | 18.4 | 2000 | 1.79 | 85 | 60 |
| BLDC0.9-100 | 0.9 | 48V | 22 | 2700 | 3.31 | 85 | 60 |
| BLDC0.85-100 | 0.85 | 60V | 16.7 | 1500 | 5.41 | 85 | 60 |
| BLDC0.75-100 | 0.75 | 74V | 11.9 | 1100 | 6.51 | 85 | 60 |

| | | | | | | | |
|---------------------|------|-----|-------|------|-------|------|------|
| BLDC0.75-100 | 0.75 | 24V | 36.7 | 2400 | 2.98 | 85 | 60 |
| BLDC1-100 | 1 | 72V | 16.3 | 1900 | 5.02 | 85 | 60 |
| BLDC1-100 | 1 | 48V | 24.5 | 2500 | 3.82 | 85 | 60 |
| BLDC1.05-100 | 1.05 | 36V | 34.3 | 2000 | 5.01 | 85 | 60 |
| BLDC1.13-101 | 1.13 | 36V | 36.9 | 1800 | 5.97 | 85 | 60 |
| BLDC1.2-100 | 1.2 | 36V | 39.2 | 2270 | 5.05 | 84 | 80 |
| BLDC1.3-100 | 1.3 | 48V | 31.8 | 3000 | 4.13 | 85 | 60 |
| BLDC1.4-100 | 1.4 | 60V | 27.5 | 2600 | 5.14 | 85 | 60 |
| BLDC1.5-100 | 1.5 | 24V | 73.5 | 2590 | 5.53 | 85 | 61 |
| BLDC2-100 | 2 | 24V | 98 | 3360 | 5.68 | 84.5 | 61.5 |
| BLDC2.5-100 | 2.5 | 24V | 122.5 | 3350 | 7.13 | 84.7 | 61.5 |
| BLDC3-100 | 3 | 48V | 73.5 | 2650 | 10.81 | 92.5 | 61 |

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 900W 48V BLDC Motor](#)

[Next 48V 1000W Brushless DC Motor](#)

You may like:

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|--|--|--|---|--|
|   |   |   |   |   |
| 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 |

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|   |
| 48V 1000W IP54 Brushless DC Motor Hall Sensor |

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|--|--|--|---|
|   |   |   |   |
| 24V Brushless DC Motor 3000rpm for Vehicle | 24V 750W 3000RPM Brushless DC Motor | High efficiency 1000w 110v 1500rpm Brushless DC Motor | Custom 1.5KW 48V 1800RPM Brushless DC Motor |