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30V 1000W IP54 Brushless DC EV Motor With Hall Sensor

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|---------------|--------------------|
| Model Number: | VOL-BL100C30 |
| Type: | Brushless DC Motor |
| Output Power: | 1000W |
| DC Voltage: | 30V |
| Speed Range: | 1200 RPM |
| Poles: | 4P, 6P, 8P... |

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| Detailed information | |
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|---------------|--|------------------|----------------------------|-------------------|--------------------|
| Brand Name: | Volcano Electric | Model Number: | VOL-BL100C30 | Type: | Brushless DC Motor |
| Output Power: | 1KW | DC Voltage: | 30V | Speed Range: | 1200 RPM |
| Controller: | Customized, Optional | Braker: | Optional | Insulation Class: | Class B/F/H |
| Enclosure: | IP44/IP54 | Poles: | 4P, 6P, 8P... | Wire: | 100% copper |
| Current: | 58.82A | Sensor: | Hall sensor, Optional | Certification: | CE,UL,ROHS |
| Housing: | Aluminum frame | Efficiency: | up to 88 | | |
| Duty: | S1 (continuous) | Place of Origin: | Zhejiang, China (Mainland) | Standard: | IEC/NEMA |
| Application: | Boat, Car, EV, Fan, Home Appliance, Traction Motor, Pump, bus A/C systems ,Other | | | | |

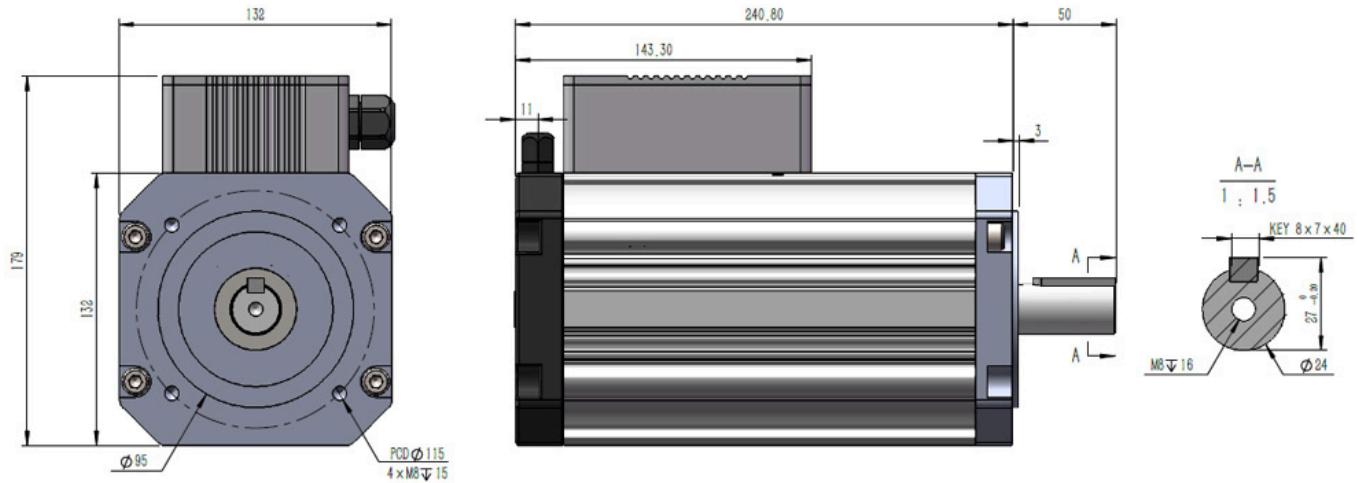
Product Description

Volcano electric BLDC Motor 30V, 1000W, 1200RPM, IP54 duty continues, along with hall sensor, motor gross weight round 8kgs, It is applied in the EV industry for a electric rickshaw. Rated power of this motor is 1000W, it gives round 6.7N.m under rated power and the efficiency can as high as 88.21%, current will be round 40A under rated power and speed, we also provide a junk box for this motor in consideration of the final usage of the motor. This motor can offer rotation in CW and also CCW as clients required.

Our delivery time for this motor as sample for 4 weeks after payment, and for mass production, we can make it even a bit earlier. We have our own magnet factory which is about 3 mins driving, most our clients visiting our motor factory will also pay a visit to our magnet factory. These two factories are run under two different professional team.

If you have interesting for this motor, please feel free to contact us by info@volcanomotor.com

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-BL020C24 | 0.2 | 24 | 10.7 | 1500 | 1.27 | 8 | 89 | 62 |
| VOL-BL090C24 | 0.9 | 24 | 44.6 | 2600 | 3.31 | 8 | 84 | 60 |
| VOL-BL100C30 | 1 | 30 | 43 | 1200 | 7.96 | 8 | 88 | 60 |
| VOL-BL120C24 | 1.2 | 24 | 64.5 | 2300 | 4.98 | 8 | 89 | 60 |
| VOL-BL120C36 | 1.2 | 36 | 39.7 | 2270 | 5.05 | 8 | 84 | 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 |
| VOL-BL150C310 | 1.5 | 310 | 6.2 | 3500 | 4.09 | 8 | 89 | 61 |
| VOL-BL200C24 | 2 | 24 | 98.6 | 3360 | 5.68 | 8 | 84.5 | 61.5 |
| VOL-BL360C24 | 3.6 | 24 | 193.5 | 3000 | 11.46 | 8 | 84.7 | 61.5 |

Advantages of Brushless DC motor:

- Lower Maintainance 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
- 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 48V High Torque 1000W Hall Sensor EV Motor

Next BLDC 24V 1200W 2300RPM EV Motor High Efficiency

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 | BLDC 24V 1200W 2300RPM EV Motor High Efficiency | 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 |

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| Custom 1.5KW 48V 1800RPM Brushless DC Motor | 48V 750W 3000RPM Sensored Brushless DC Motor |