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251mm 72V 4KW Hall Sensor BLDC Motor With Controller

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|---------------|--------------------|
| Model Number: | VOL-BL400C72 |
| Type: | Brushless DC Motor |
| Output Power: | 4KW |
| DC Voltage: | 72V |
| Speed Range: | 2580 RPM |
| Poles: | 4P, 6P, 8P... |

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| Detailed information | |
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|---------------|--|------------------|----------------------------|-------------------|--------------------|
| Brand Name: | Volcano Electric | Model Number: | VOL-BL400C72 | Type: | Brushless DC Motor |
| Output Power: | 4000W | DC Voltage: | 72V | Speed Range: | 2580 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 84 | | |
| 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 | | | | |

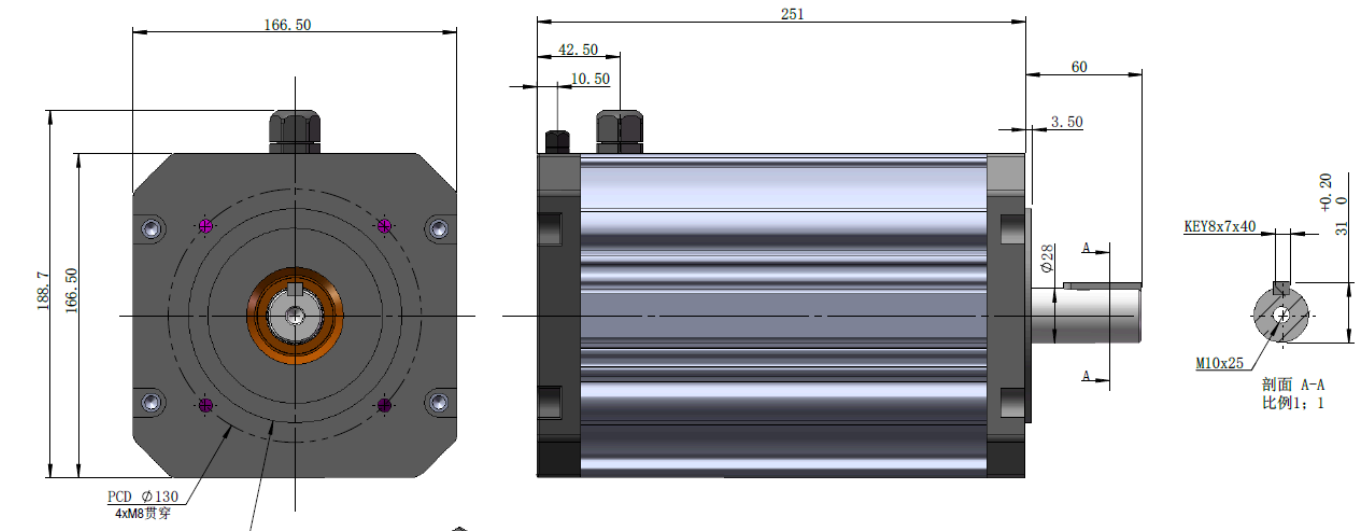
Product Description

Volcano electric BLDC Motor 72V, 4000W, 2580RPM, IP54 duty continues, along with hall sensor , controller. The gross weight of the motor is 23kgs. Motor efficiency is 84%, this motor is also applied in EV Market for a tricycle. This motor is quite similar with Volcano motor model VOL-BL400C48, only for the different of voltage. Drawing is also same under M154 100B14 251S. Mounting method B14 and rated torque value is 14.81N.m.

Motor in EV market are divided in many different applications,. Such as large bus, small cars, small 2 wheel e bikes, 3 wheel bikes, racing cars, motorcycle, small aircraft etc, among above applications, small cars small bus and 2 wheel e bikes take large percentage, in total for more than 50 percent in all market.

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-BL400C72 | 4 | 72 | 71.17 | 2580 | 14.81 | 8 | 85 | 61 |
| VOL-BL400C48 | 4 | 48 | 107 | 2580 | 14.81 | 8 | 89 | 61 |
| VOL-BL150C48 | 1.5 | 48 | 40.3 | 1800 | 7.96 | 8 | 90 | 61.5 |
| VOL-BL100C48 | 1 | 48 | 26.9 | 2500 | 3.82 | 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

Previous 72V 5500W 3680rpm Brushless Electric Motor With Controller

Next 251mm 48V 4000W 2580rpm Hall Sensor With Controller

BLDC Motor

You may like:

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|  |  |  |  |  |
| 48v 4.5kw 1500rpm BLDC Motor | 72V 5500W 3680rpm Brushless Electric Motor With Controller | 251mm 48V 4000W 2580rpm Hall Sensor With Controller BLDC Motor | 48V 4100W High Power NEMA Frame BLDC Motor | Customized 4.5kw 72v 1500rpm Brushless Dc Motor |

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|  |  |  |  |
| 6hp 3000rpm Powerful Brushless Dc Motor | 5kw 72v Brushless Dc Motor With Hall Sensor | 5.5HP 48V High Power Brushless DC Motors | 5500W High Power High RPM BLDC Motors |