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48V 4100W High Power NEMA Frame BLDC Motor

Model Number:	VOL-BL410C48
Type:	Brushless DC Motor
Output Power:	4.1KW
DC Voltage:	48V
Speed Range:	2580 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL410C48	Type:	Brushless DC Motor
Output Power:	4100w	DC Voltage:	48V	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
Housing:	Aluminum	Efficiency:	up to 85%		
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				

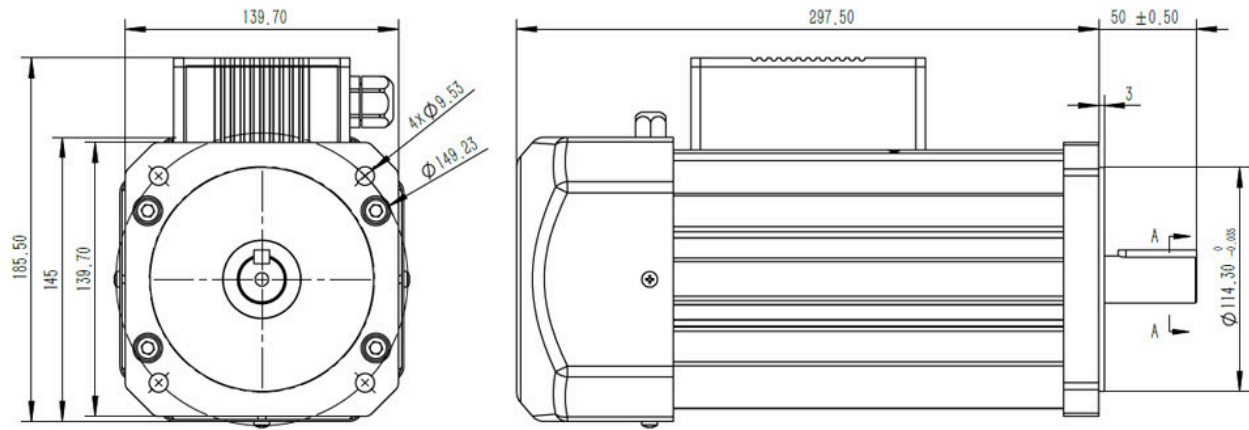
Product Description

Volcano Electric BLDC Motor, 48V 4100W 2580RPM IP54, duty continues, along with hall sensor, no controller, the motor, provide rated torque value of 15.18Nm, a rated current reach over 110.2A, consider the current is larger than 100A, we provide this bldc motor a free junction box and also a fan to cooling the motor down. Since the motor working under duty 1 condition, without a fan there will be high risk of heat problem or even burning the motor. There is one big difference between this BLDC motor and the others, we are provide this motor a customized frame under NEMA standard. By the way, Volcano electric can made motor with standard IEC frame and of course, customized design.

Before each shipment of the order, we'll making our inner testing for the motor, mainly on the motor performance, and there will be formal testing report and EMF curve showing motor technical data. Regarding with the EMF curve, it depends on our clients requirement, some need curve to be sine wave, some need it to be square wave, this is also related with the controller which will be choose for the motor.

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	63.3	4200	2.73	8	79	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-BL410C48	4.1	48	110.2	2580	15.18	8	88	61.5

Advantages of Brushless DC motor:

- 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

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.

You may like:

 	 	 	 	 
48v 4.5kw 1500rpm BLDC Motor	72V 5500W 3680rpm Brushless Electric Motor With Controller	251mm 72V 4KW Hall Sensor BLDC Motor With Controller	251mm 48V 4000W 2580rpm Hall Sensor With Controller BLDC Motor	Customized 4.5kw 72v 1500rpm Brushless Dc Motor

 	 		
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

DC Motor Manufacturer & Supplier in China
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