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## High efficiency 1000w 110v 1500rpm Brushless DC Motor

Model Number:	VOL-BL100A110
Type:	Brushless DC Motor
Output Power:	1000W
DC Voltage:	110V
Speed Range:	1500 RPM
Poles:	4P

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL100A110	Type:	<a href="#">Brushless DC Motor</a>
Output Power:	1000W	DC Voltage:	110V	Speed Range:	1500 RPM
Current:	5.71A	Torque:	6.37Nm	Sensor:	Hall sensor
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class F
Enclosure:	IP54, IP55	Poles:	4P	Wire:	100% Copper
Housing:	Aluminum	Efficiency:	up to 90%	Certification:	CE, UL
Duty:	S1	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC / Custom
Application:	Boat, Electric Vehicle, Scooter, Sightseeing cars, Home Appliance, Pump, bus A/C systems ,Other				

### Why choose Brushless DC Motor?

You’ ve got a large number of choices for your motor project needs. Stepper motor, servo motor, AC motor, brushes dc motor and so on. Brushless dc motor is just one of them, but more and more people would like to use it. Why they do it?

Firstly, brushless dc motor( BLDC motor) is permanent magnet synchronous electric motor which move around by DC electricity. It accomplishes electronically controlled commutation system (commutation is the process of producing rotational torque in the motor by changing phase currents through it at appropriate times) instead of a mechanically commutation system.

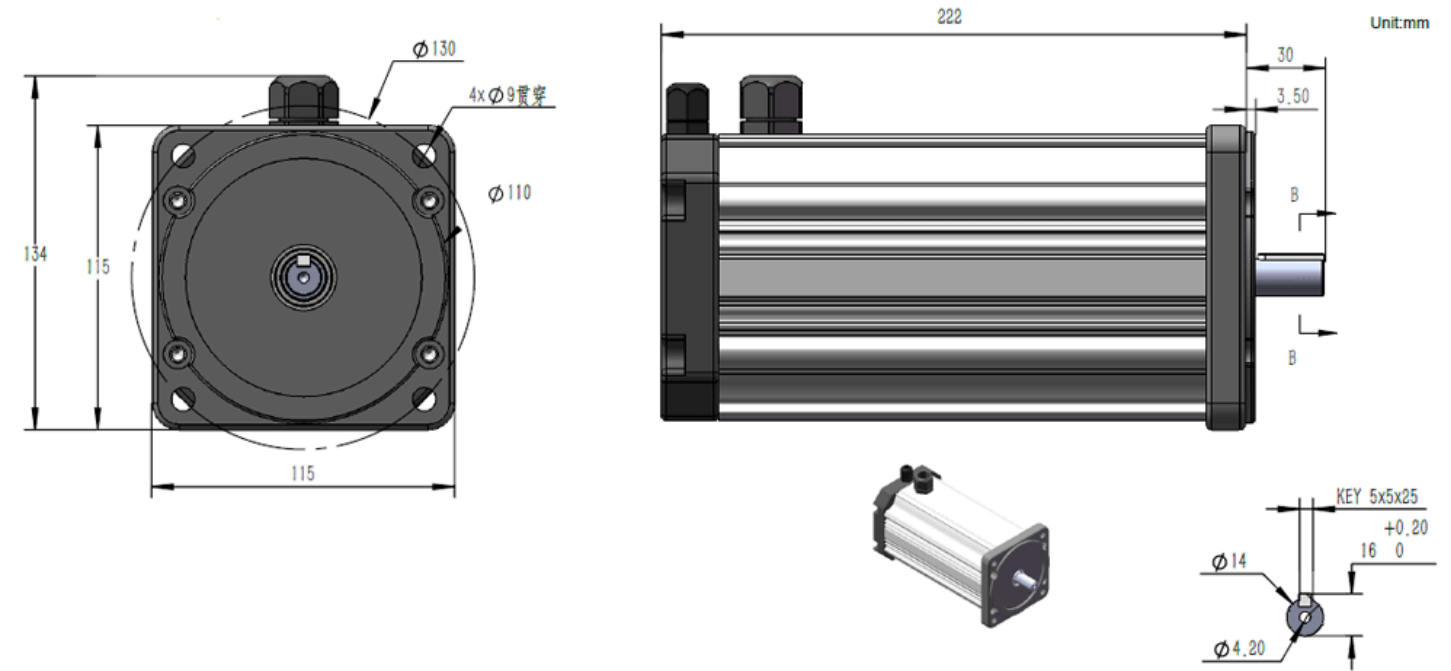
Unlike the normal brushes dc motor, brushless dc motor eliminate the brush. So there is less noise operation and have longer working life. The efficiency of BLDC motors is typically 85 to 90 percent, while as brushed type DC motors are 75 to 80 percent efficient. As for our motor, can up to 90% in best state when using that can save more energy, reduce the power cost.

Volcano Electric provide one-stop service. We insist that quality and honesty come first. Waiting for you and feel free to contact our team at [info@volcanomotor.com](mailto:info@volcanomotor.com) for any technical support.

Specifications

Motor type	VOL-BL100A110
Output power	1000W
Output speed	1500RPM
Output torque	6.37N.m
Current	5.71A
Efficiency	92%
Voltage	110V

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-BL075B48	0.75	48	16.98	3000	2.39	8	92	62
VOL-BL090C24	0.9	24	44.60	2600	3.31	8	84	60
VOL-BL100C48	1	48	24.50	2500	3.82	8	85	60
VOL-BL100A110	1	110	5.71	1500	6.37	8	92	60
VOL-BL120C24	1.2	24	63.30	4200	2.73	8	79	60
VOL-BL120C36	1.2	36	39.70	2270	5.05	8	84	60
VOL-BL125C24	1.25	24	62.00	3200	3.73	8	84	60

VOL-BL130C36	1.3	36	40.12	3200	3.88	8	90	60
VOL-BL150C24	1.5	24	73.50	2590	5.53	8	85	61
VOL-BL150C48	1.5	48	33.97	1800	7.96	8	92	61
VOL-BL150C72	1.5	72	23.50	3200	4.48	8	89	61
VOL-BL200C24	2	24	98.60	3360	5.68	8	84.5	61.5
VOL-BL250C24	2.5	24	123.00	3350	7.13	8	84.7	61.5

#### Why choose Brushless DC motors:

- Lower Maintainance and longer lifetime - no brush and commutator erosion
- Lower noise - the elimination of brush contact
- Lower temperature rise - more efficient heat dissipation due to winding construction
- Higher power to weight ratio
- Higher efficiency ( in general higher than 90%)

For customized DC Motors, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:






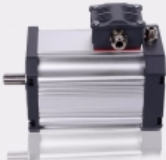

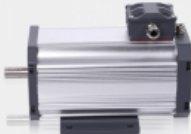

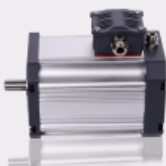
- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC ..... 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** 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 4.5kw 1500rpm BLDC Motor

Next Custom 1.5KW 48V 1800RPM Brushless DC Motor

You may like:

				
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

 	 	 	 	 
48V 1000W IP54 Brushless DC Motor Hall Sensor	24V Brushless DC Motor 3000rpm for Vehicle	24V 750W 3000RPM Brushless DC Motor	Custom 1.5KW 48V 1800RPM Brushless DC Motor	48V 750W 3000RPM Sensored Brushless DC Motor