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24v 500w Higher Efficiency Hallsensor Bldc Motor

Model Number:	VOL-BL050C110
Type:	Brushless DC Motor
Output Power:	500W
DC Voltage:	24V
Speed Range:	1500 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL050C110	Type:	Brushless DC Motor
Output Power:	500W	DC Voltage:	24V	Speed Range:	1500 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 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				

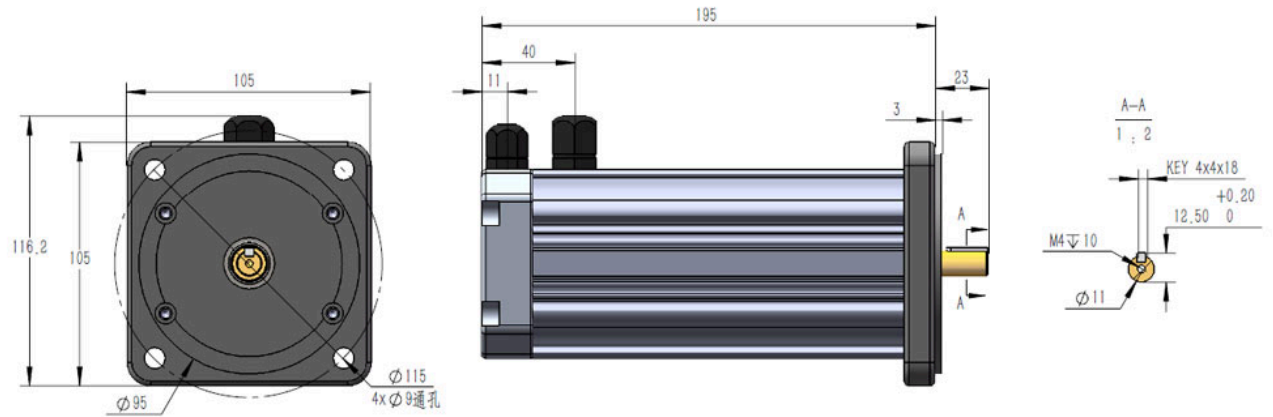
Product Description

Volcano Electric BLDC Motor 110V 500W 1500RPM, duty continues, halls sensor, no controller, it provides 3.18Nm at rated speed of 1500RPM, the motor working under continues duty 1. Gross weight of the motor is round 5kgs. Mounting method of this motor is B15, frame model is 195L. We have different mounting method and different frame size depends on our clients final application. We are able to make NEMA series and IEC standard frame series. We aim to make higher efficiency motor up to more than 90%. For this motor, it gives round 85% efficiency. The motor come with out a controller but with hall sensor.

BLDC Motor is widely used in many industries. It has power-saving advantages compared with other type motors. Also its running speed can be controlled. Simply speaking, with a suitable controller, we can make the motor running under our mind. In another way, precision control can also save energy, for these motors connect with battery power, in this way, the motor can also save the battery life.

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-BL050C110	0.5	110	5.9	1500	3.18	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 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
- 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:

				
Hall Sensor BLDC Motor 370W 12V For EV Application	76V 400W 2000RPM IP54 BLDC Motor	12V 1000W 1500RPM BLDC Motor With Hall Sensor	Sensored 12v 0.5hp 3000rpm Bldc Motor	12v 600w 1800rpm Brushless Dc Motor With Hall Sensors

				
Customized 700W 24V Brushless DC Motor	1500RPM 400W 12V High torque Brushless DC Motor	600W 1800RPM 48V DC Brushless Motor	150W Brushless DC Motor In Textile Machinery	560W 24V 2250RPM Brushless DC Motor

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