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1500RPM 400W 12V High torque Brushless DC Motor

Model Number:	VOL-BL0.4A12
Type:	Brushless DC Motor
Output Power:	400W
DC Voltage:	12V
Speed Range:	1500 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL0.4A12	Type:	Brushless DC Motor
Output Power:	400W	DC Voltage:	12V	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 92%		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC standard or NEMA standard
Application:	Boat, Car, EV, Fan, Home Appliance, Traction Motor, Pump, bus A/C systems ,Other				

Product Description

brushless DC motors feature high torque, high speed with a small size and weight; brushless DC motors are ideal for heavy duty servo applications with frequent overload conditions as well as for continuous duty applications where maximum operational lifetime is required. With permanent magnets which rotate within a fixed armature, the BLDC motors features a brushless commutation design for long lasting performance.

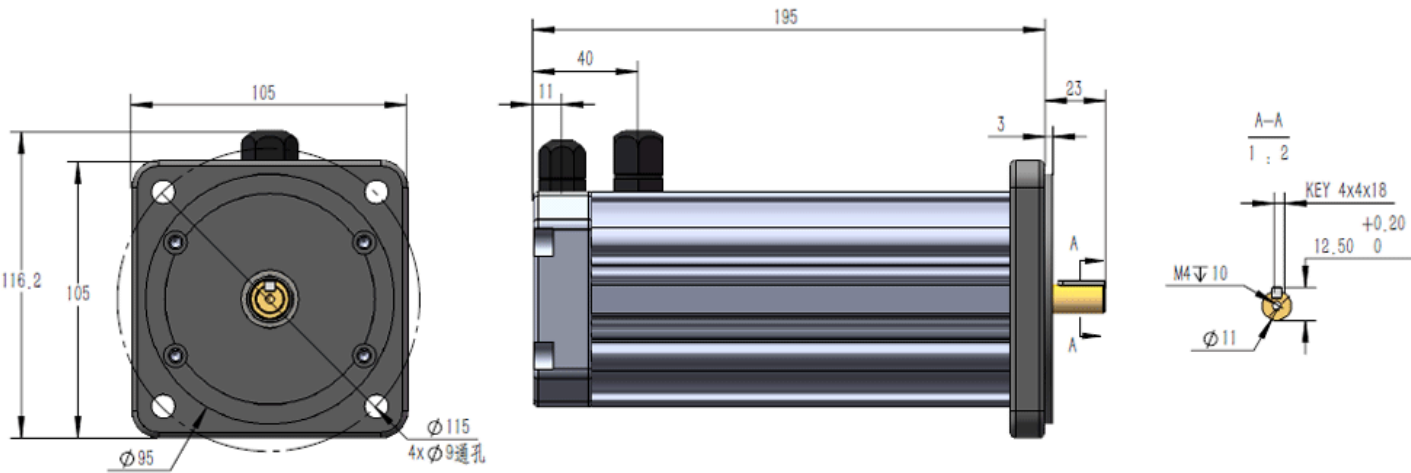
BLDC Motors with Speed Controller feature integrated drive electronics and sensor-less electronic commutation.

1500rpm 400W 12V high torque brushless dc motor is widely used in home appliance, cars, tools, industrial auto-control and so on, cause its efficiency up to 90%. A [Brushless DC Motor](#) (also known as a BLDC Motor), is a synchronous electric motor with DC current powering magnets

that move the rotor around within the stator. Instead of brushes and a commutator, BLDC motors use a step motor controller to create the rotation that turns electrical energy into mechanical energy.

Please feel free to contact our team at info@volcanomotor.com for any technical support.

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-BL0.4A12	0.4	12	36.23	1500	2.55	8	92	62
VOL-BL0.4A24	0.4	24	18.12	1500	2.55	8	92	62
VOL-BL0.4A48	0.4	48	9.06	1500	2.55	8	92	62
VOL-BL0.4A72	0.4	72	6.04	1500	2.55	8	92	62
VOL-BL0.4A110	0.4	110	2.28	1500	2.55	8	92	62
VOL-BL0.4A220	0.4	220	1.14	1500	2.55	8	92	62

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

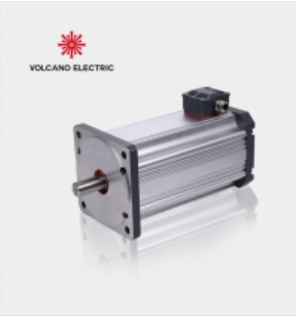
- **Configuration/Frame** Our products are according to IEC standard, we also can customize the flange and shaft according to the customer drawing
- **Controller function** e.g. forward/reverse, variable speed, acceleration profile, etc.

Previous Customized 700W 24V Brushless DC Motor Next 600W 1800RPM 48V DC Brushless Motor

You may like:



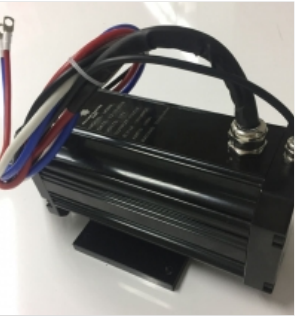
Hall Sensor BLDC Motor
370W 12V For EV
Application



24v 500w Higher Efficiency
Hallsensor Bldc Motor



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



600W 1800RPM 48V DC
Brushless Motor



150W Brushless DC Motor
In Textile Machinery



560W 24V 2250RPM
Brushless DC Motor

