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BLDC 24V 1200W  
2300RPM EV Motor High  
Efficiency

Model Number:	VOL-BL120C24
Type:	Brushless DC Motor
Output Power:	1200W
DC Voltage:	24V
Speed Range:	2300 RPM
Poles:	4P, 6P, 8P...

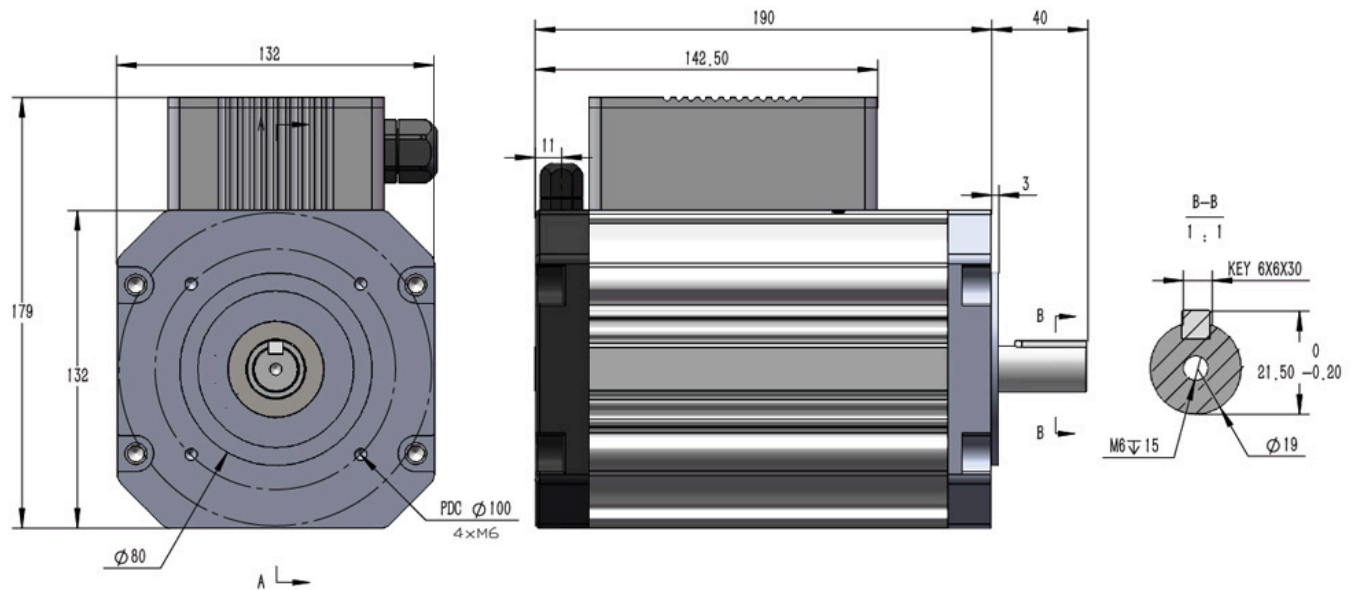
Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL120C24	Type:	Brushless DC Motor
Output Power:	1.2KW	DC Voltage:	24V	Speed Range:	2300 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F/H
Enclosure:	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 88		
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 24V, 1200W, 2300RPM, IP54 duty continues, along with hall sensor, And a controller under HEB48401X.

This motor provide 64.5A under rated power of 1200W, torque value is 4.98N.M, efficiency can be as high as 89%. Mounting method for this motor is B3. We can also provide B5 and B14 different ways. VOL-BL120C24 motor is applied in EV market, for a project of racing cars. A motor equipped with a controller, you can control the speed and rotation as you need. We have our ready catalog for our full range controller, if you do not well know about the most suitable controller, we have a professional team to help.

If you have interesting for this motor, please feel free to contact us by [info@volcanomotor.com](mailto: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-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-BL360C24	3.6	24	193.5	3000	11.46	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
- **Application** e.g. traction, airconditioning, etc.
- **Duty** Most motors are rated continuous. Some applications however may use motors designed for intermittent duty

Previous 30V 1000W IP54 Brushless DC EV Motor With Hall Sensor


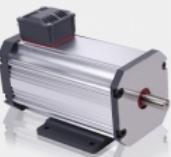

Next Hall Sensor BLDC Motor 370W 12V For EV Application

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	48V 1000W IP54 Brushless DC Motor Hall Sensor



24V Brushless DC Motor 3000rpm for Vehicle

 	 	 	 
24V 750W 3000RPM Brushless DC Motor	High efficiency 1000w 110v 1500rpm Brushless DC Motor	Custom 1.5KW 48V 1800RPM Brushless DC Motor	48V 750W 3000RPM Sensored Brushless DC Motor