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48V 90% Efficiency 1500W Hall Sensor EV Motor With Brake

Model Number:	VOL-BL150C48
Type:	Brushless DC Motor
Output Power:	1.5KW
DC Voltage:	48V
Speed Range:	1800 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL150C48	Type:	Brushless DC Motor
Output Power:	1500W	DC Voltage:	48V	Speed Range:	1800 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 90		
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				

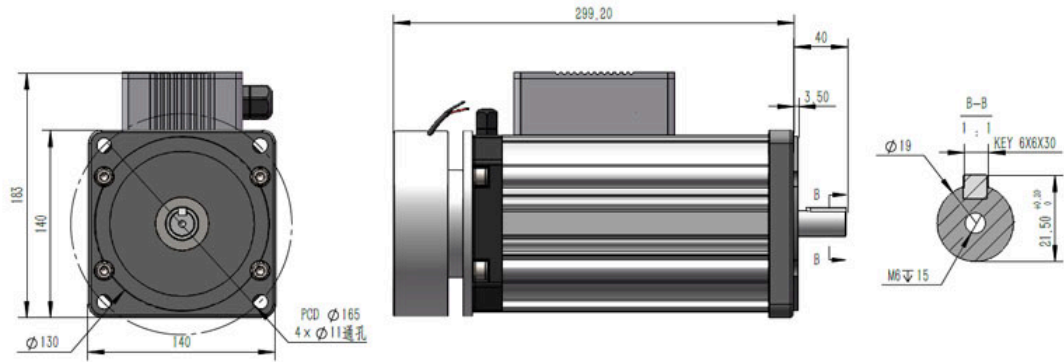
Product Description

Volcano electric BLDC Motor 48V, 1500W, 1800RPM, IP54 duty continues, along with hall sensor , controller and a brake. The gross weight of the motor is 13kgs. Drawing of this motor is BLDC-123 80B5-240L. Mounting method of this motor is B5, "L" in the drawing stands for the motor frame we are using is under Long type of 123 series, we have different series for the motor frame and each of series divided into, short and long type, if the drawing we are using is short type then the drawing will end with "S" .

There is a brake come along with this motor, application of this motor is electric lifting platform, so it requires motor to stop some time which will need motor equipped with a brake. This motor come out with a high efficiency which is above 90%.

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	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-BL150C48	1.5	48	40.3	1800	7.96	8	90	61.5
VOL-BL100C48	1	48	26.9	2500	3.82	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
- **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 251mm 48V 4000W 2580rpm Hall Sensor With Controller BLDC Motor

Next 48V High Torque 1000W Hall Sensor EV Motor

You may like:

				
310VDC 1500W 3500RPM BLDC Motor	2HP 24V 3500RPM Hall Sensor Brushless DC Motor	60V 3500W High Power BLDC Motor	3KW 3000RPM IEC 90 Brushless DC Motor	3.7KW 60V 3600RPM Electric Brushless DC Motor

				
2.5KW 72V Hall Sensor Brushless DC Motor	2.8KW 48V Sensorless BLDC Motor Driver	1.5 KW Brushless DC motors IEC 90L Frame	2000W 60V 3000RPM Brushless DC Motor	3750 RPM High Speed Brushless DC Electric Motor