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Hall Sensor BLDC Motor 370W 12V For EV Application

Model Number:	VOL-BL037C12
Type:	Brushless DC Motor
Output Power:	370W
DC Voltage:	12V
Speed Range:	1700 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	VOL-BL037C12	Type:	Brushless DC Motor
Output Power:	0.37kW	DC Voltage:	12V	Speed Range:	1700 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 80		
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				

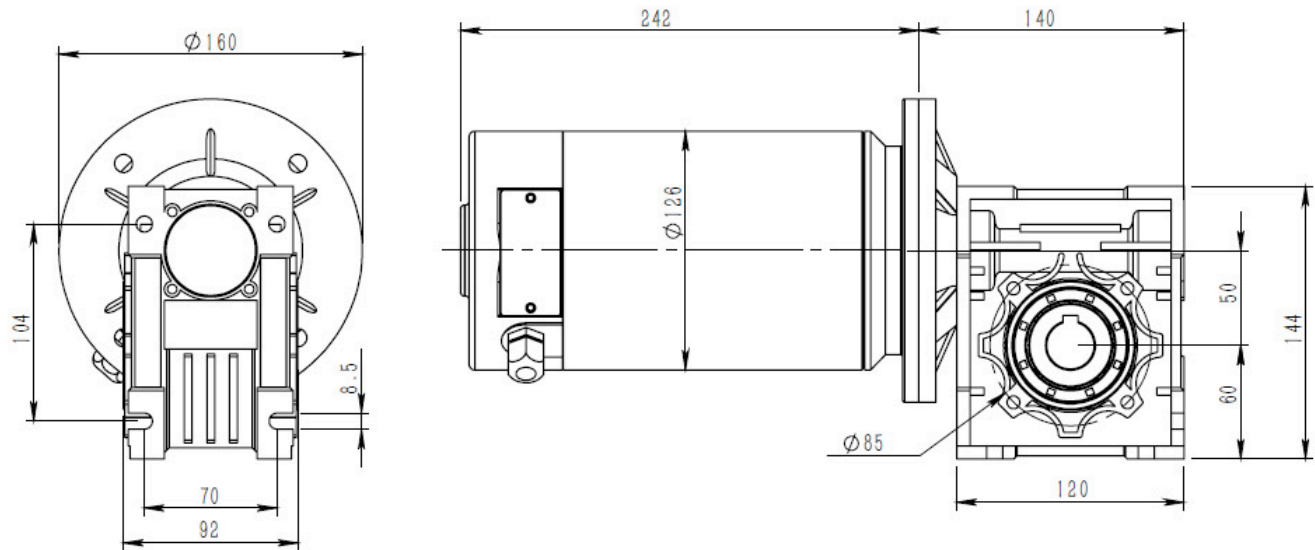
Product Description
Volcano electric BLDC Motor 12V 370W 1700RPM duty continues, IP54, hall sensor, rated current 39.8A, with voltage 370W rated speed 1700RPM under rated torque 2.08N.m. It gives round 80% efficiency. The motor weight unit is 15kgs.

This motor is applied in Electric Vehicle market, for a small electric forklift, mounting method of this motor is B14. EV motors are everywhere, they are applied in most of green cars, the forklift, the electric lifting platform etc. Mostly, an EV motor is a brushless type, with rotor, axle, magnets and powered by DC current or battery also. Magnet plays an important part in an EV motor, because it will infect on the final motor efficiency directly if used wrong grade or wrong size magnet. For Ningbo Volcano electric, there is no need for you to worry about it, because we have our own magnet factory which has operated since 2004, we are a master on the magnet. Thus, we are more confident on the whole control of motor quality than other suppliers.

Volcano electric' s featured products are mostly focused among 48 voltage. Powered range from 160W up to 4500W and speed range from 1000RPM up to 6000RPM, our production line is still expanding.

If you have interesting for this motor, please feel free to contact us by info@volcanomotor.com

Configuration



***CAN MAKE ACCORDING TO YOUR REQUIREMENT**

Brushless motor list

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
VOL-BL037C12	0.37	12	39.8	1700	2.08	8	80	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	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-BL360C24	3.6	24	193.5	3000	11.46	8	84.7	61.5

Advantages of Brushless DC motor:

- Lower Maintenance 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

Previous BLDC 24V 1200W 2300RPM EV Motor High Efficiency

Next 2 Phase Hybrid Stepper Motor 22M

You may like:

				
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	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