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## 1.4KW 24V 4 Pole Brushless DC Motor

Model Number:	BLDC1.4-123
Type:	Brushless DC Motor
Output Power:	1400W, 1.4KW
DC Voltage:	24V
Speed Range:	1560RPM
Poles:	4P, 6P, 8P...

### Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC1.4-123	Type:	Brushless DC Motor
Output Power:	1400W	DC Voltage:	24V	Speed Range:	1560 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:	IE 4.0		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC / NEMA standard
Application:	Boat, Car, Electric Bicycle, Fan, Home Appliance, Traction Motor, Solar Pump DC systems, bus A/C systems ,Other				

### Product Description

This is IPM brushless dc motor. It's designed for motor with speed from 1000rpm to 2500rpm, available power 300w-3000w, maximum rated torque. 3Nm-13Nm. Outer diameter is 123mm, motors with different power have different motor length.

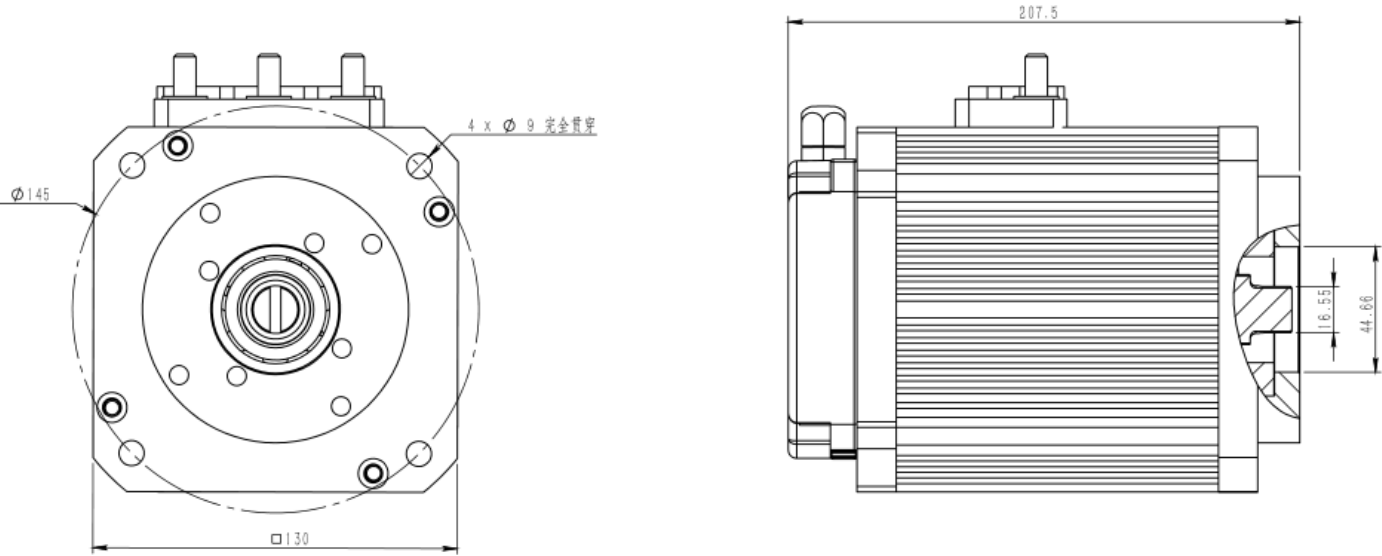
Any job that uses a brush DC motor can use a brushless DC motor instead. BLDC motors are used in PC cooling fans, DVD players, turntables, and even electric cars. If you’ re looking for increased motor efficiency, check to see if you can replace the brush motor you’ re currently using in your project with a BLDC motor.

Mostly, the induction asynchronous motor is 2 poles at 2500 rpm(50HZ AC Voltage) or 3000rpm (60HZ AC voltage),4 poles at 1200 rpm(50HZ AC Voltage) or 1500rpm (60HZ AC voltage). But for DC motors, it can designed to various Poles, like 2 poles, 4 poles, 8 poles.....and the motor speed

is variable, stepless- speed. At a high efficiency compare to AC induction motors.

This 1.4KW 24V 4 Pole Brushless DC Motor is designed for traction motors in electric forklift, electric vans, Golf cars, electric cars etc.

Configuration



\*CAN MAKE ACCORDING TO YOUR REQUIRMENT

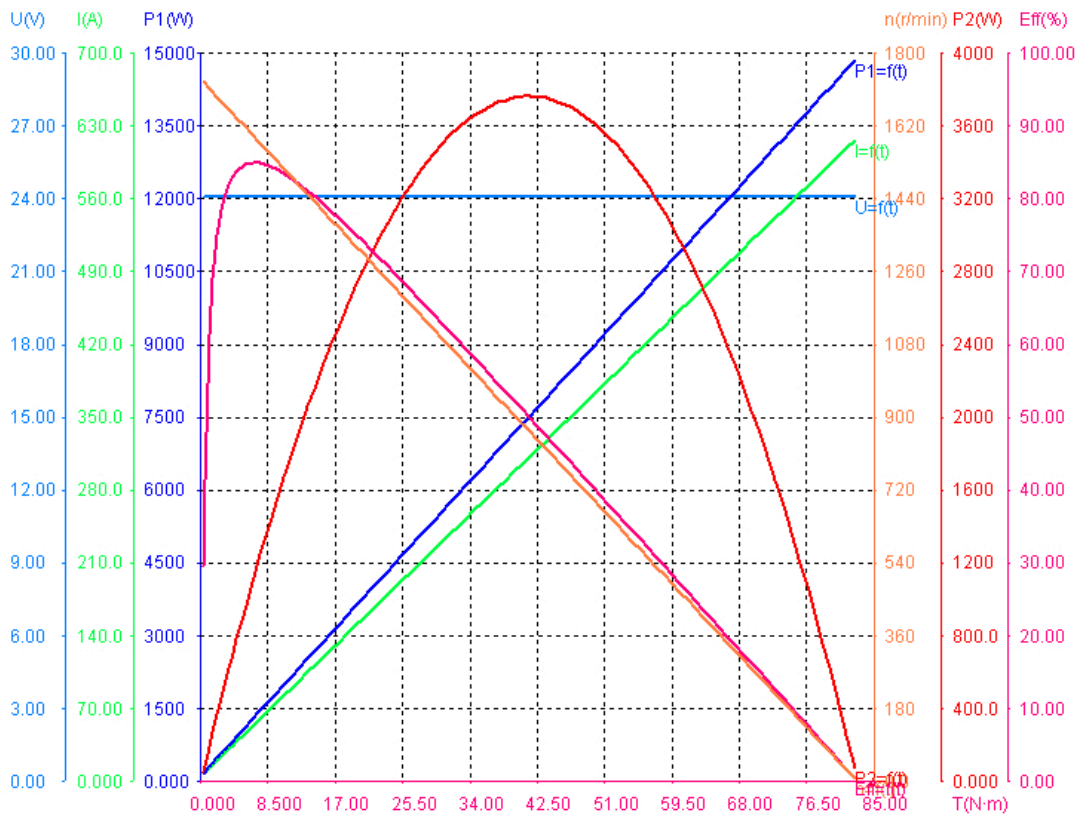
BL123 Brushless motor list

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
BLDC0.65-123	0.65	24	32.2	1700	3.65	8	84	60
BLDC1.2-123	1.2	24	59.5	1700	6.74	8	84	60
BLDC1.25-123	1.25	24	62	1350	8.85	8	84	60
BLDC1.4-123	1.4	24	69.45	1560	8.57	8	84	60
BLDC1.8-123	1.8	48	44.2	2000	8.59	8	85	60

Advantage of Brushless DC motors

- 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

Performance of 1400W 24V 1560RPM BLDC Motors



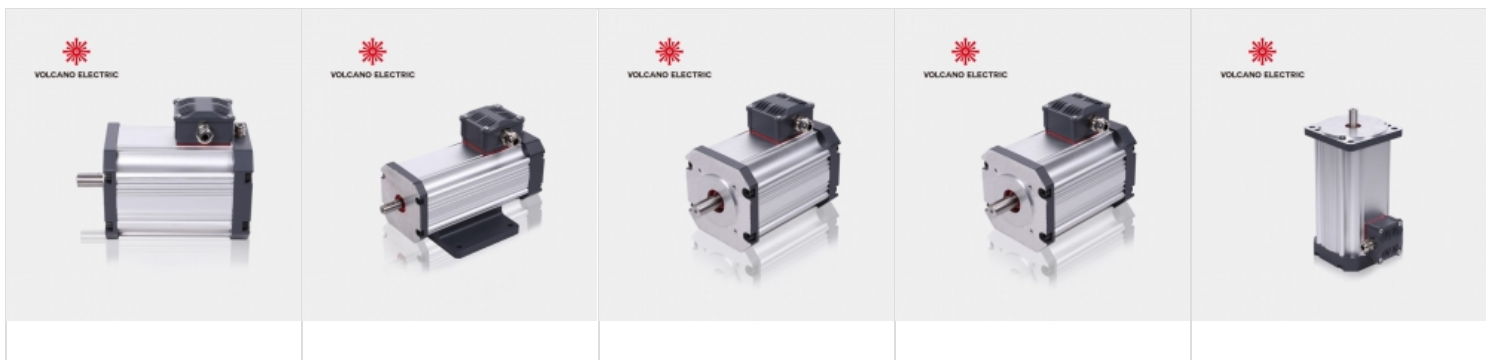
For customized DC Motors, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:

- **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 1.2KW 24V 1700RPM Sensorless BLDC Motors

Next 750W 74V 1100rpm BLDC Motor

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	BLDC 24V 1200W 2300RPM EV Motor High Efficiency
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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

DC Motor Manufacturer & Supplier in China  
Email: [info@volcanomotor.com](mailto:info@volcanomotor.com) | Tel: 86-18157453060

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