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## 24V Hall Sensors Brushless DC Motor

Model Number:	BLDC1.25-100
Type:	Brushless DC Motor
Output Power:	1.25KW
DC Voltage:	24V
Speed Range:	3200 RPM
Poles:	4P, 6P, 8P...

### Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC1.25-100	Type:	Brushless DC Motor
Output Power:	1250W	DC Voltage:	24V	Speed Range:	3200 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

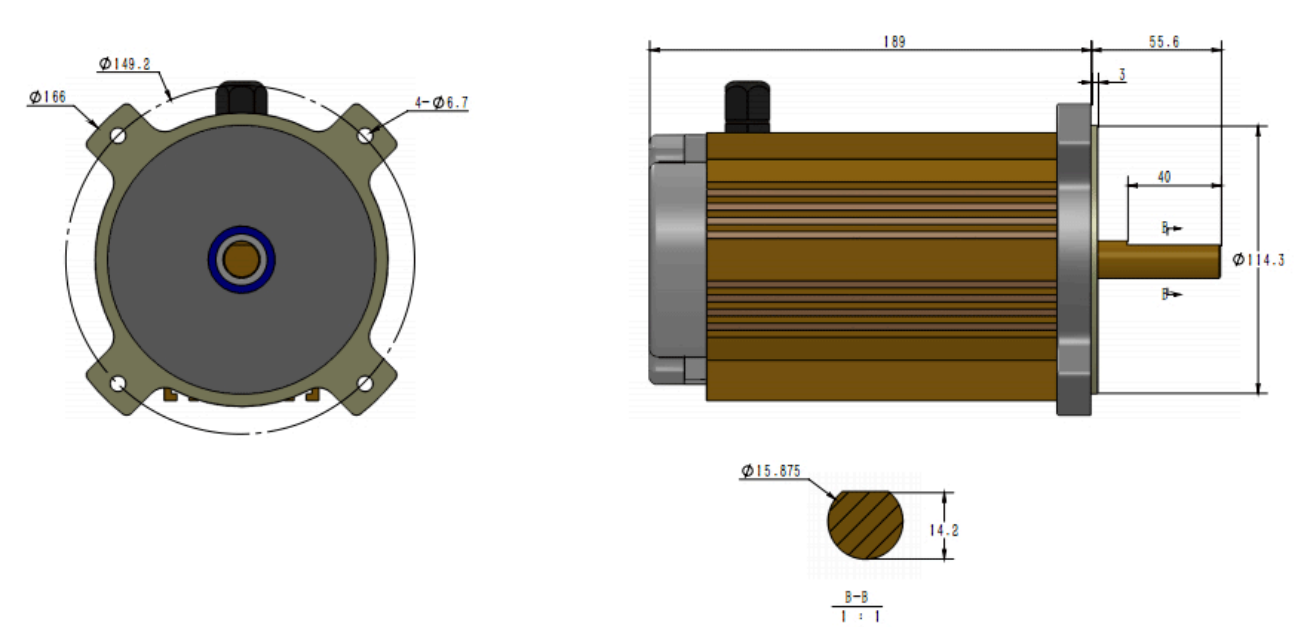
This is BL100 brushless DC Motor,The Series BLDC100 motors can be designed to operate in a voltage, range from 24V to 72V DC, its outer diameter is 110mm.The Series BLDC100 motors cover a output power range from 300W to 2000W, its torque range on continuous duty is 1.2-3.5Nm, on intermittent duty up to 3-8.75Nm.

Hall Sensors brushless motors are often used in applications where starting torque varies greatly or where a high initial torque is required, such as in remote control cars. If one were to look at industrial or aerospace applications or brushless motors. Hall Sensors brushless motor systems always know the position of the rotor, which is especially critical at low speed as well as during the start condition when there is no rotor movement. Only with the proper rotor position information can the speed control apply power to the correct rotor phase combination.

Volcano Electric designs and builds our own motors in-house, using computer-based motor design software. Our motors are purpose designed and built from the ground up specifically for electric forklift, electric golf cars, pumps, air compressors applications. Through extensive testing and feedback from our design and testing staff and from numerous world class drivers, we verify design parameters and newly developed materials and continually improve the performance and quality of our brushless motors.

We can design our Hall Sensors brushless motors at various voltage conditions, range from 12V,24V to 420VDC or also 50HZ or 60HZ AC systems.

Configuration



\*CAN MAKE ACCORDING TO YOUR REQUIRMENT

Brushless motor list

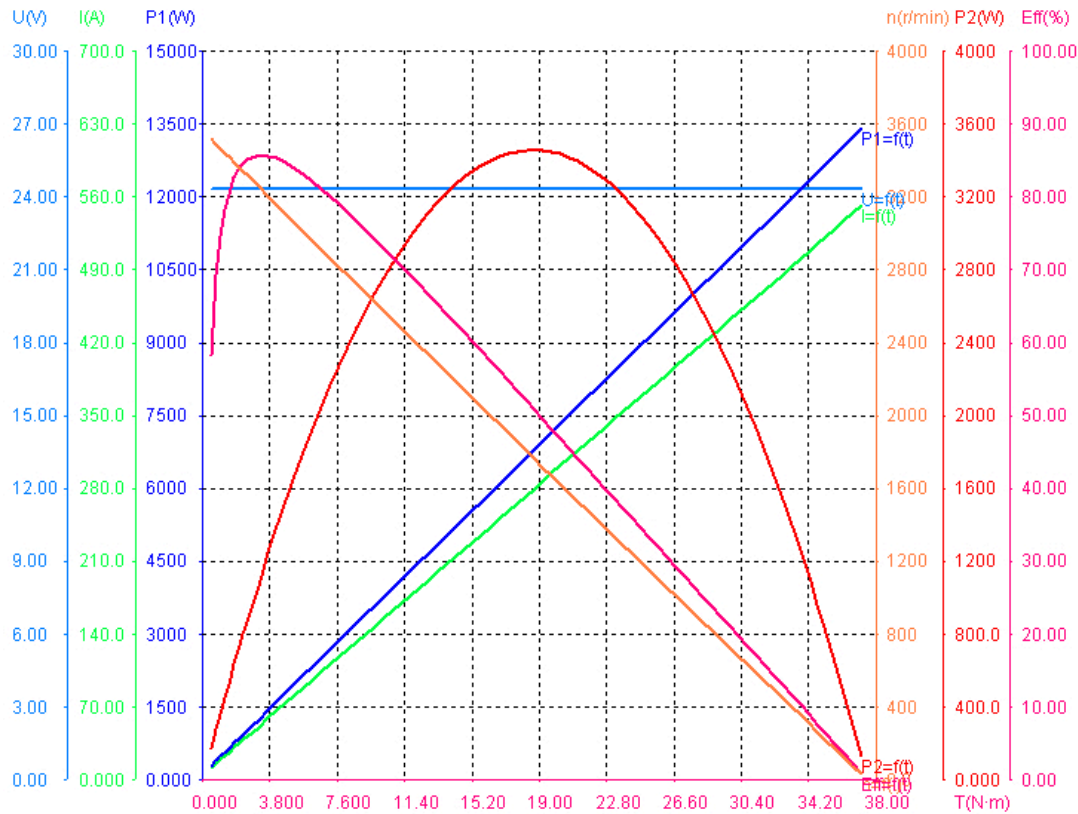
Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
BLDC0.9-100	0.9	24	44.6	2600	3.31	8	84	60
BLDC1.2-100L	1.2	24	63.3	4200	2.73	8	79	60
BLDC1.2-100	1.2	36	39.7	2270	5.05	8	84	60
BLDC1.25-100	1.25	24	62	3200	3.73	8	84	60
BLDC1.5-100	1.5	24	73.5	2590	5.53	8	85	61
BLDC1.5-100	1.5	72	23.5	3200	4.48	8	89	61
BLDC2.0-100	2	24	98.6	3360	5.68	8	84.5	61.5
BLDC2.5-100	2.5	24	123	3350	7.13	8	84.7	61.5

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 1250W 24V 3200RPM Brushless DC Motor



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 2700W 60V Sensorless Brushless DC Motors](#)

[Next 1.2KW 24V 1700RPM Sensorless BLDC Motors](#)

You may like:

 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC
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

 VOLCANO ELECTRIC
48V 1000W IP54 Brushless DC Motor Hall Sensor

 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC
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