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## 900W 48V BLDC Motor

Model Number:	BLDC0.9-100
Type:	Brushless DC Motor
Output Power:	1.2HP
DC Voltage:	48V
Speed Range:	2700 rpm
Poles:	4P, 6P, 8P...

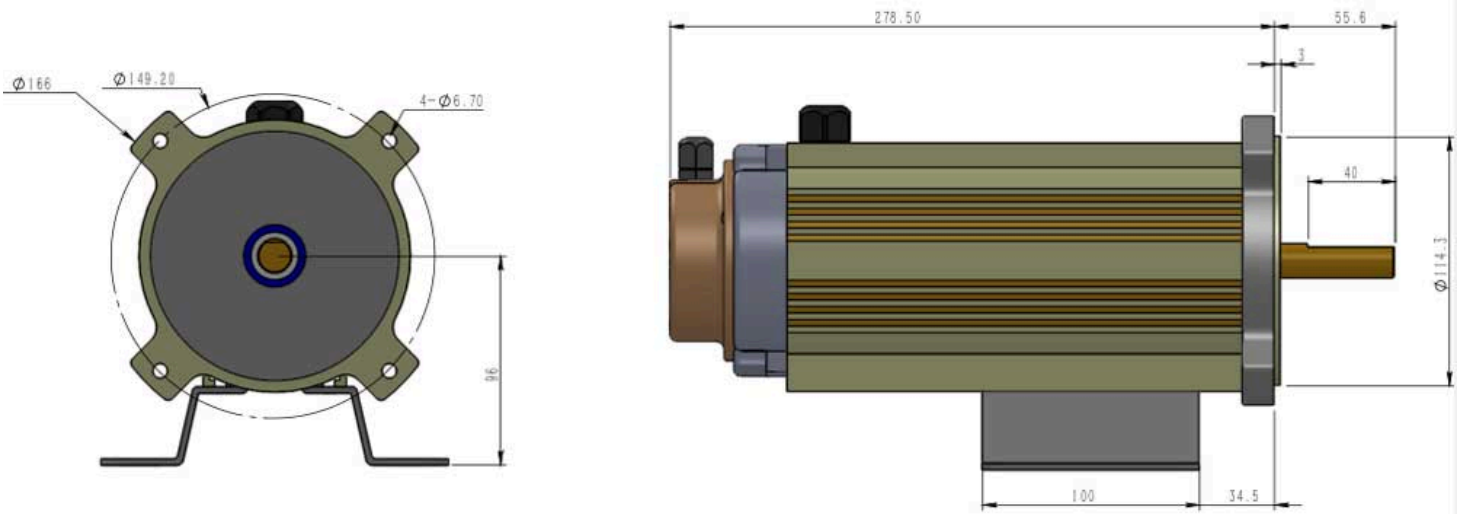
Detailed information	
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Brand Name:	Volcano Electric	Model Number:	BLDC0.9-100	Type:	Brushless DC Motor
Output Power:	1.2 HP (900W)	DC Voltage:	48V	Speed Range:	2700 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F/H
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 standard or NEMA standard
Application:	Boat, Car, Electric Bicycle, Fan, Home Appliance, Traction Motor, Solar Pump DC systems, bus A/C systems ,Other				

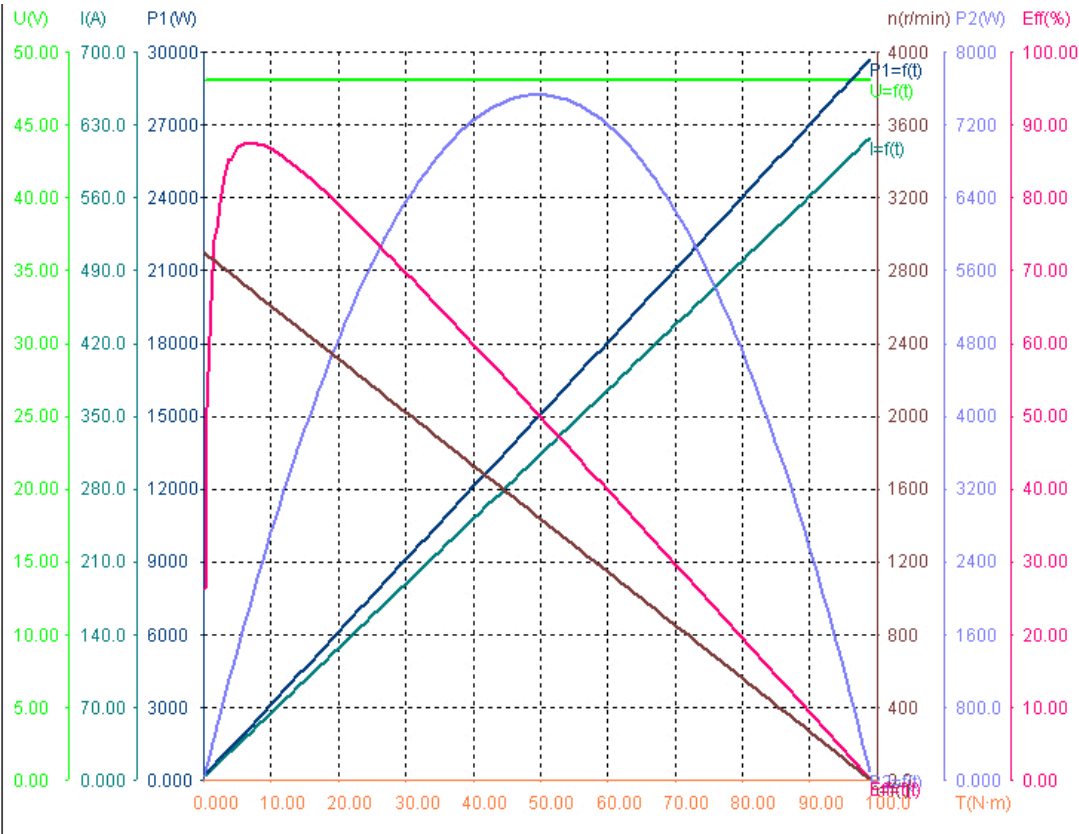
### Product Description

48V BLDC Motor is the low volt BLDC motor, but high-performance and high-speed brushless motor with ball-bearing construction, dynamically balanced rotors, and low audible and magnetic noise. It does not include brushes or a commutator.

### Configuration



\*CAN MAKE ACCORDING TO YOUR REQUIRMENT



Model	Power Kw	Voltage V	Current A	Speed Rpm	Nominal torque N.m	Efficiency %	Noise dB
BLDC0.3-150	0.3	24V	14.7	1500	1.91	85	60
BLDC0.3-150	0.375	24V	18.4	2000	1.79	85	60
BLDC0.9-100	0.9	48V	22	2700	3.31	85	60
BLDC0.85-100	0.85	60V	16.7	1500	5.41	85	60

<b>BLDC0.75-100</b>	0.75	74V	11.9	1100	6.51	85	60
<b>BLDC0.75-100</b>	0.75	24V	36.7	2400	2.98	85	60
<b>BLDC1-100</b>	1	72V	16.3	1900	5.02	85	60
<b>BLDC1-100</b>	1	48V	24.5	2500	3.82	85	60
<b>BLDC1.05-100</b>	1.05	36V	34.3	2000	5.01	85	60
<b>BLDC1.13-101</b>	1.13	36V	36.9	1800	5.97	85	60
<b>BLDC1.2-100</b>	1.2	36V	39.2	2270	5.05	84	80
<b>BLDC1.3-100</b>	1.3	48V	31.8	3000	4.13	85	60
<b>BLDC1.4-100</b>	1.4	60V	27.5	2600	5.14	85	60
<b>BLDC1.5-100</b>	1.5	24V	73.5	2590	5.53	85	61
<b>BLDC2-100</b>	2	24V	98	3360	5.68	84.5	61.5
<b>BLDC2.5-100</b>	2.5	24V	122.5	3350	7.13	84.7	61.5
<b>BLDC3-100</b>	3	48V	73.5	2650	10.81	92.5	61

#### 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
- 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 750W 74V 1100rpm BLDC Motor](#)

[Next 24V 2400RPM 1HP Brushless DC Motor](#)

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