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## 1/2 HP 24V 1600rpm Brushless DC Motor

Model Number:	BLDC0.5-90
Type:	Brushless DC Motor
Output Power:	0.5 HP
DC Voltage:	24V
Speed Range:	1600 rpm
Poles:	4P, 6P, 8P...

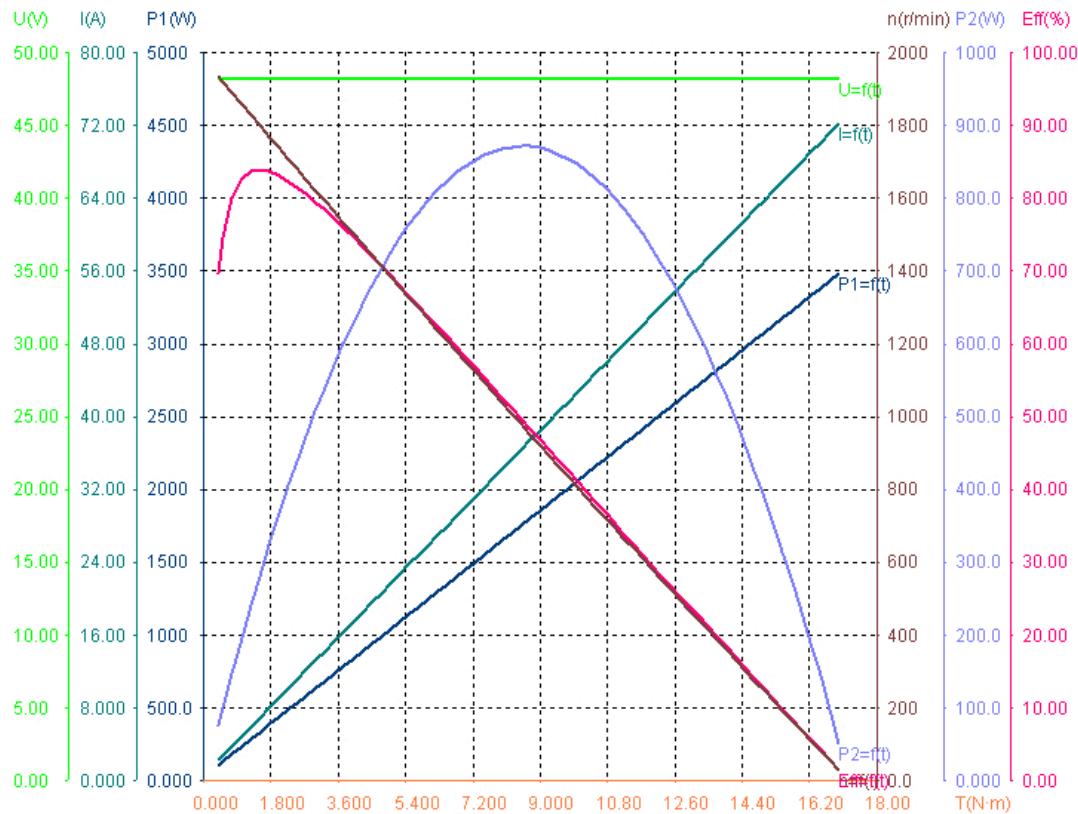
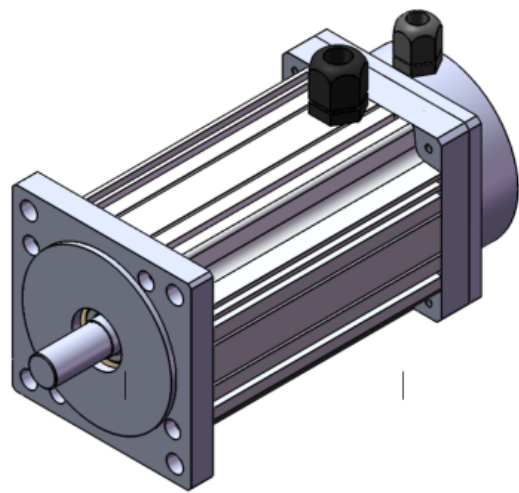
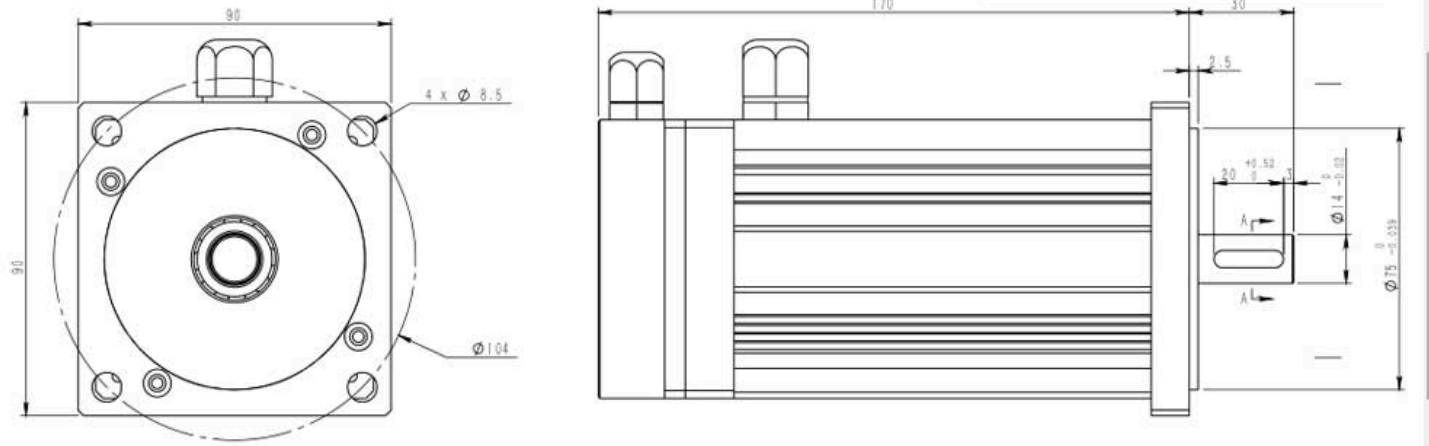
### Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC0.5-90	Type:	<a href="#">Brushless DC Motor</a>
Output Power:	1/2 HP (375W)	DC Voltage:	24V	Speed Range:	1600 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:	lawn and garden equipment, fitness equipment, compressors, or pumps.				

### Product Description

1/2 hp horsepower custom permanent magnet BLDC electric motors are ideal for battery or AC powered applications, such as medical mobility, as well as many other motion applications, including: electric actuators , Pumps and fluid handling system equipment and so on.

### Configuration



Model	Power Kw	Voltage V	Current A	Speed RPM	Nominal torque N.m	Productive needs %	Noise dB
<b>BLDC0.26-76</b>	0.2	48V	4.9	850	2.24	85	60
<b>BLDC0.3-76</b>	0.24	24V	11.8	1600	1.43	84	60
<b>BLDC0.3-76</b>	0.24	48V	5.9	2000	1.15	85	60
<b>BLDC0.4-76</b>	0.3	36V	9.8	2000	1.43	85	60
<b>BLDC0.4-76</b>	0.3	48V	7	2000	1.43	85	60
<b>BLDC0.47-76</b>	0.35	24V	7.4	1950	1.71	85	60
<b>BLDC0.5-90</b>	0.37	24V	18.1	3500	1	85	60
<b>BLDC0.5-90</b>	0.37	24V	18.1	1600	2.23	85	60
<b>BLDC0.55-90</b>	0.37	250V	1.7	1200	2.94	85	60
<b>BLDC0.6-90</b>	0.45	300V	1.8	1500	1.27	84	80
<b>BLDC0.65-90</b>	0.48	48V	11.8	3650	1.26	85	61
<b>BLDC0.75-90</b>	0.56	36V	18.3	2000	2.67	84.5	61.5
<b>BLDC0.8-90</b>	0.62	72V	10.1	1550	3.82	84.7	61.5
<b>BLDC0.9-90</b>	0.68	48V	16.7	1650	3.93	92.5	61

**\*CAN MAKE ACCORDING TO YOUR REQUIRMENT**

#### 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
- 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.

You may like:

				
Hall Sensor BLDC Motor 370W 12V For EV Application	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				