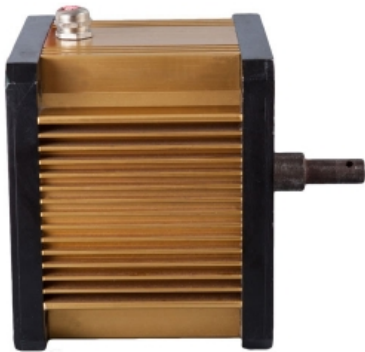




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## 1800W 60V 4 Pole Brushless DC Motor

Model Number:	BLDC1.8-154
Type:	Brushless DC Motor
Output Power:	1.8KW
DC Voltage:	60V
Speed Range:	1100RPM
Poles:	4P, 6P, 8P...

### Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC1.8-154	Type:	Brushless DC Motor
Output Power:	1800W	DC Voltage:	60V	Speed Range:	1100 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

Volcano Electric Brushless DC motors are notable for:

- long life
- High efficiency
- Highly dynamic acceleration
- Good regulation characteristics
- Wide speed range
- High power density
- Maintenance-free
- Robust design
- Integral Hall sensors for rotor position

- Low moment of inertia
- Neodymium magnets

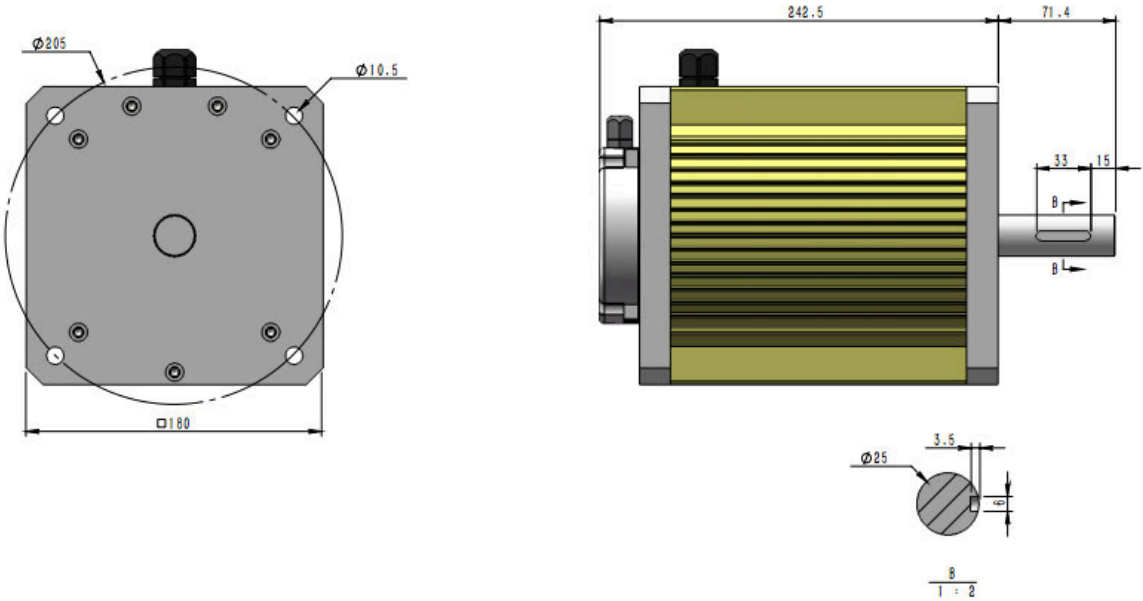
These electronically-commutated DC motors can be combined with control electronics, gearboxes, and encoders in a modular system to provide a flexible, adaptable, market-oriented solution.

Our electronically commutated BLDC motors are particularly suitable for applications with smooth running and long lifetime requirement. Permanent magnets with a high energy product provide a high acceleration at a very high efficiency . The feedback of the rotor position is given by hallsensors. We optionally develop motors with Encoder for high-resolution positioning controls or systems with single- to multi-stage gearboxes

The number of pole pairs of the magnet determines the degree of accuracy; higher pole pairs provide increased accuracy. Innovative construction concepts deliver high accuracy without the need for additional components, reducing the total cost of ownership.

1800W 60V 4 Pole Brushless DC Motor is one of our customized BLDC motors. Our technical team can design our motors strictly to your applications, these Brushless DC motors can be 2 poles, 4 poles. 8 poles etc. and DC voltage from 24VDC to 380VDC, and 220VAC,400AC available to your requirements.

Configuration



\*CAN MAKE ACCORDING TO YOUR REQUIRMENT

Brushless motor list

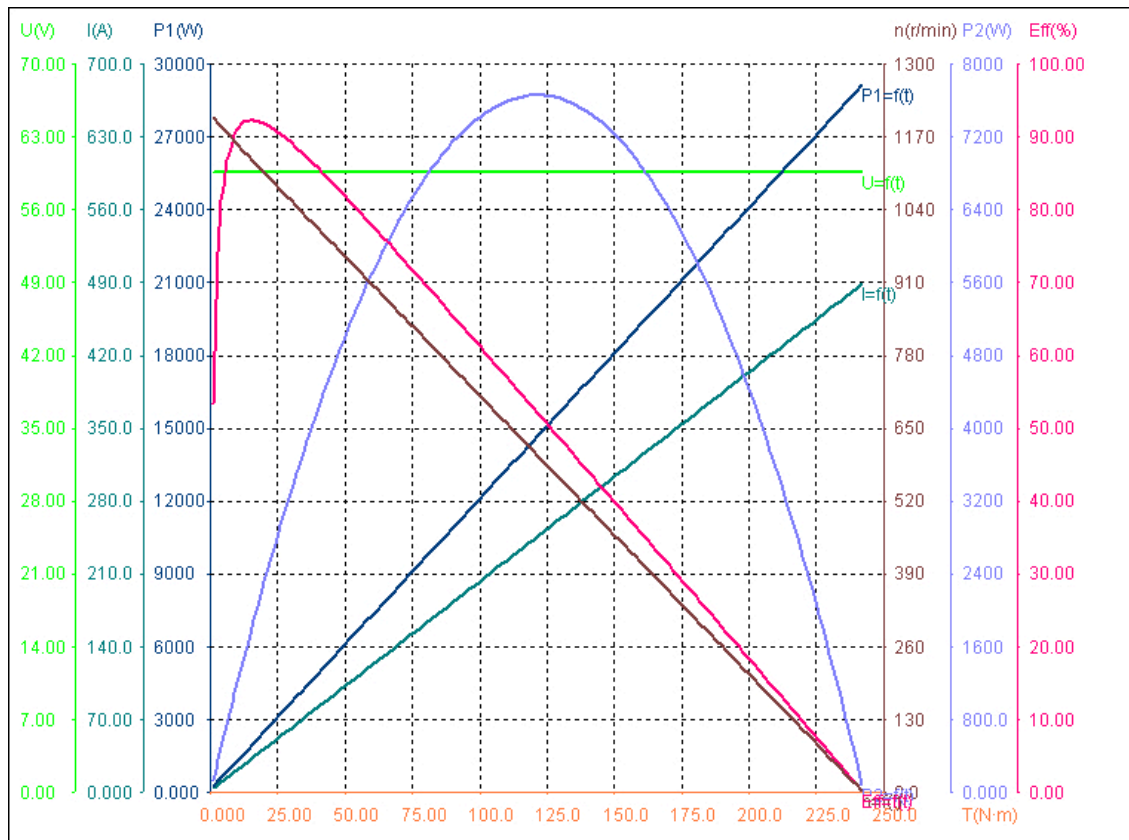
Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
BLDC1.55-154	1.55	45	40	4300	3.44	8	86	60
BLDC1.8-154	1.8	60	32.6	1100	15.6	8	92	61
BLDC1.85-154	1.85	24	81.5	2100	8.41	8	92	60
BLDC2.7-154	2.7	60	48.9	1100	23.4	8	92	61.5

BLDC2.8-154	2.8	60	50.8	1100	24.3	8	92	61.5
BLDC2.8-154	2.8	48	67.8	2600	10.3	8	86	61
BLDC3.0-154	3.0	48	67.6	2650	10.81	8	92.5	61
BLDC3.0B-154	3.0	72	46.8	1850	15.5	8	89	61
BLDC3.5B-154	3.5	60	69.5	1680	19.9	8	84	61
BLDC4.0-154	4.0	48	90.6	2580	14.81	8	92	62
BLDC5.5-154	5.5	72	85.6	3680	14.27	8	89.2	63

### Advantage of Brushless DC motors

- 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

### Performance of 1800W 60V 1100RPM 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 High Torque High RPM Brushless DC Motor

Next 1800W 48V 2000 RPM Brushless DC Motor

You may like:

 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC	 VOLCANO ELECTRIC
				
48V 90% Efficiency 1500W Hall Sensor EV Motor With Brake	310VDC 1500W 3500RPM BLDC Motor	2HP 24V 3500RPM Hall Sensor Brushless DC Motor	60V 3500W High Power BLDC Motor	3KW 3000RPM IEC 90 Brushless DC Motor

 VOLCANO ELECTRIC	 VOLCANO ELECTRIC		
		2.8KW 48V Sensorless BLDC Motor Driver	1.5 KW Brushless DC motors IEC 90L Frame
3.7KW 60V 3600RPM Electric Brushless DC Motor	2.5KW 72V Hall Sensor Brushless DC Motor		


2000W 60V 3000RPM Brushless DC Motor

