



Home > Products > Motor power-Brushless Motor > 2 HP Brushless DC Motor



2.8KW 60V High Torque BLDC Motors

Model Number:	BLDC2.8-154
Type:	Brushless DC Motor
Output Power:	2.8KW (3.8HP)
DC Voltage:	60V
Speed Range:	1100RPM
Poles:	4P, 6P, 8P...

Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC2.8-154	Type:	BLDC Motors
Output Power:	2800W (3.8HP)	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				

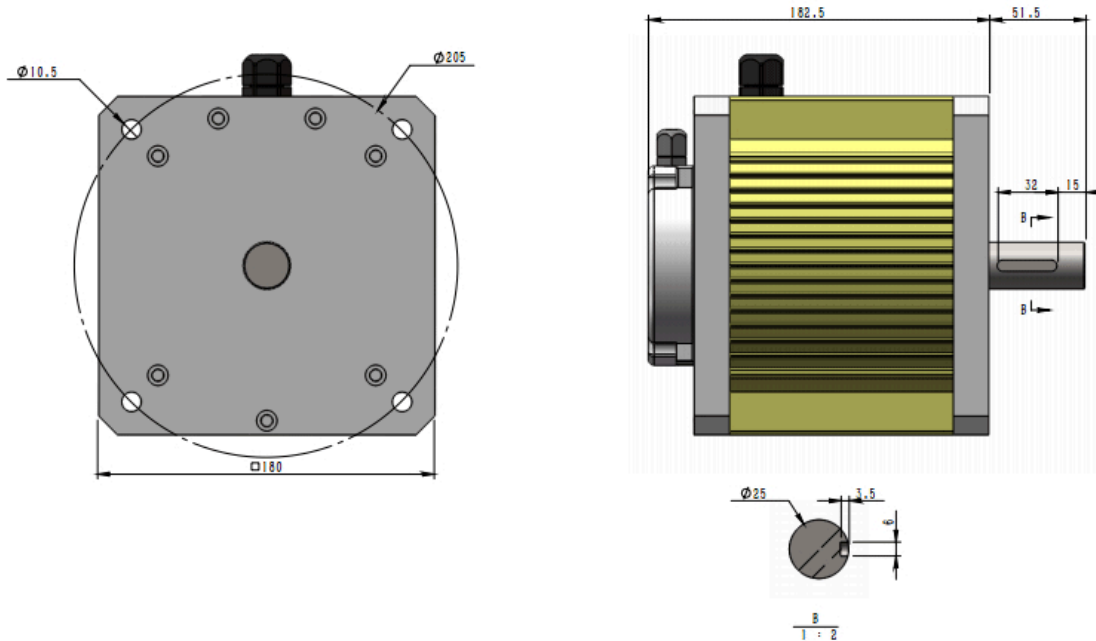
Product Description

Torque is the amount of rotational force that a motor generates when operated. In an application, the torque for each axis is defined by the specific requirement in the machine, which is required to move the object attached to the motor. The high torque requirement of the axis determines the size of the motor and any gearing necessary.

Volcano Electric designed High Torque BLDC Motors to maximize torque output while keeping the diameter and length minimal. High-energy neodymium magnets provide the foundation for the torque density of this motor series. High-capacity windings increase current density and electromagnetic intensity with minimal joule heating. The advanced air gap design requires less power to achieve the high torque output, allowing the motor to operate at a high efficiency.

2.8KW 60V High Torque BLDC Motors, the rated speed is 1100rpm, and rated torque is 24.3Nm.to have a energy saving, high efficiency high Torque BLDC motors in your application. Please try to specify your applications and expected motor performance such as rated power, rated speed, peak power, peak torque, peak speed etc.

Configuration



***CAN MAKE ACCORDING TO YOUR REQUIRMENT**

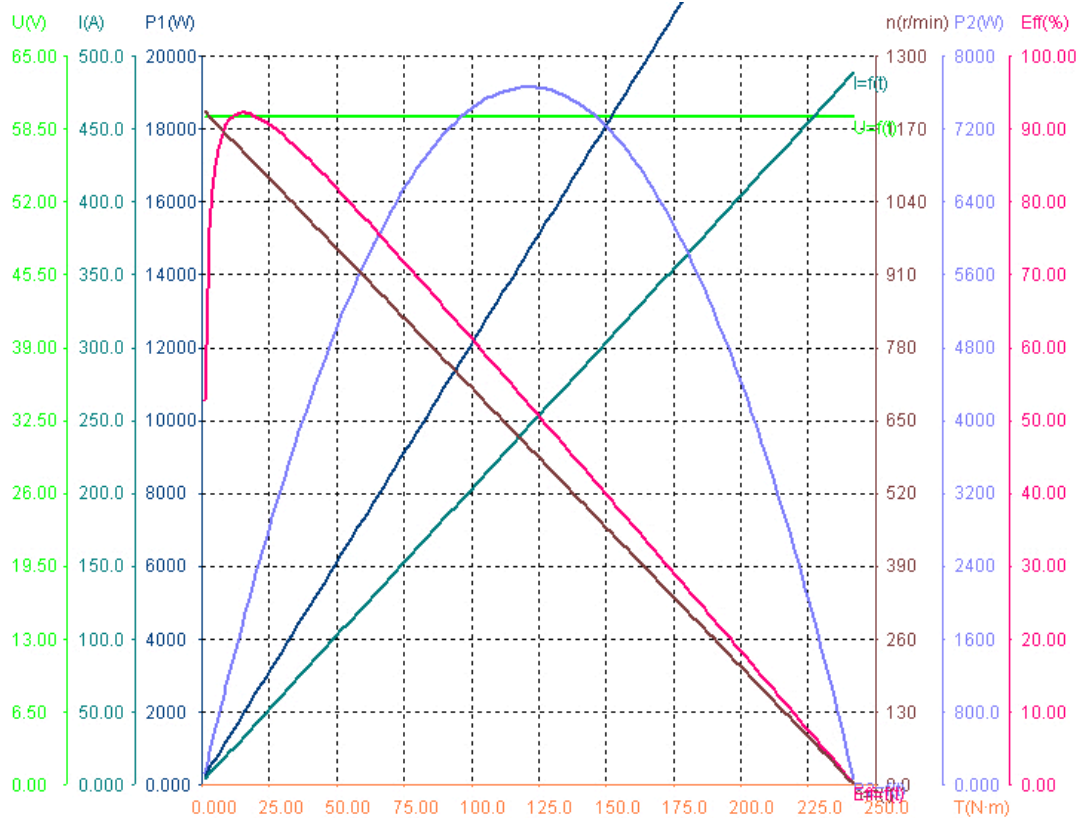
Brushless motor list

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 2800W 60V 1100RPM BLDC Motors



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

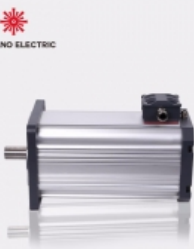



- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** 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 1800W 48V 2000 RPM Brushless DC Motor](#)

[Next 72V 4 HP Brushless DC Electric Motors](#)

You may like:

				
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

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


2000W 60V 3000RPM Brushless DC Motor