



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



## 2.8KW 48V Sensorless BLDC Motor Driver

Model Number:	BLDC2.8-154
Type:	Brushless DC Motor
Output Power:	2.8KW (3.8HP)
DC Voltage:	48V
Speed Range:	2600RPM
Poles:	4P, 6P, 8P...

Detailed information

### Quick Details

This is BL154 [Brushless DC Motor](#)

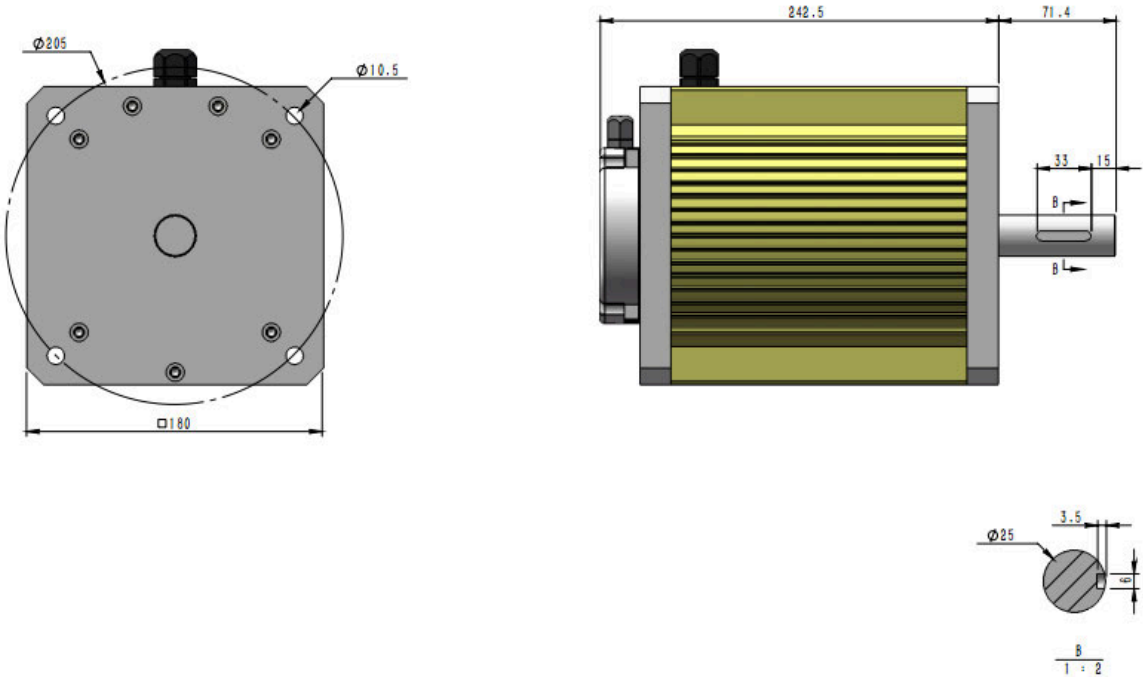
The Series BLDC154 motors can be designed to operate in a voltage range from 24V to 380V DC, its outer diameter is 180mm.

The Series BLDC154 motors cover a output power range from 1.5KW to 10KW, its torque range on continuous duty is 3-20Nm, on intermittent duty up to 7.5-50Nm.

Brand Name:	Volcano Electric	Model Number:	BLDC2.8-154	Type:	Brushless DC Motor
Output Power:	2800W (3.8HP)	DC Voltage:	48V	Speed Range:	2600 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
--------------	---

Configuration



\*CAN MAKE ACCORDING TO YOUR REQUIRMENT

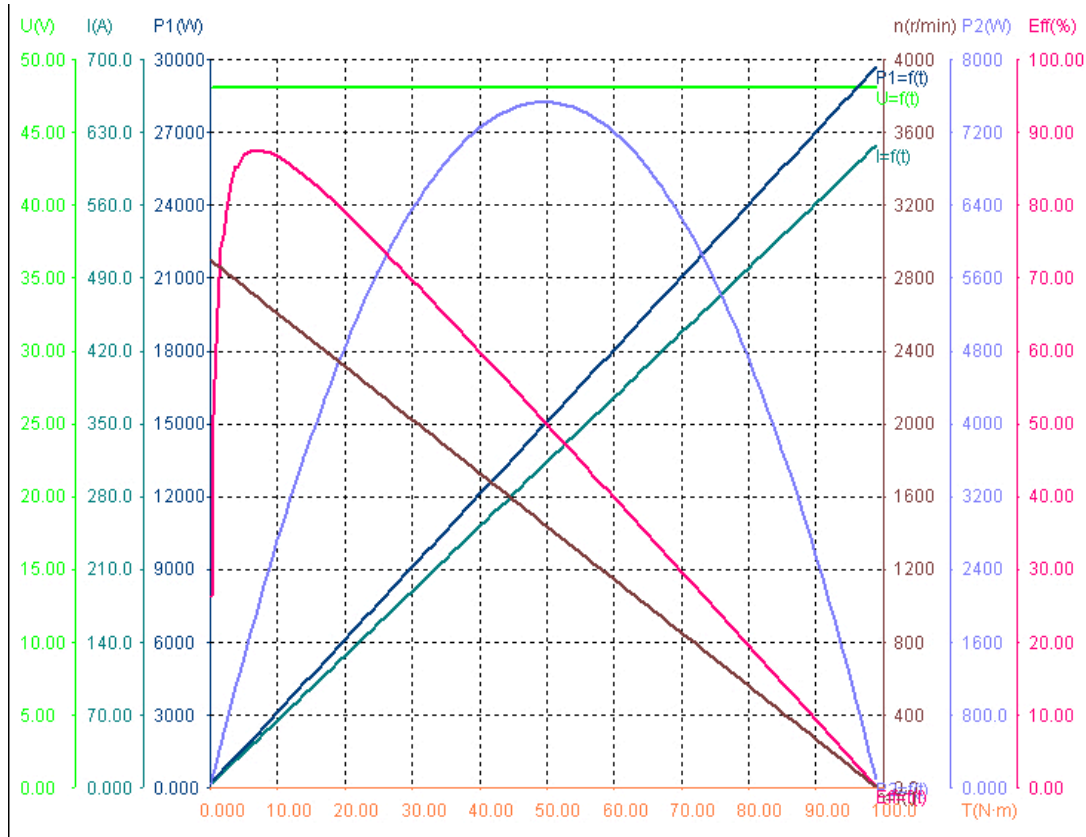
Brushless motor list

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 48V 2600RPM 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 3 HP IEC Frame Motors

Next IEC standard PMSM motors Frame 63 550W

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	1.5 KW Brushless DC motors IEC 90L Frame	2000W 60V 3000RPM Brushless DC Motor


3750 RPM High Speed Brushless DC Electric Motor