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5.5HP 48V High Power Brushless DC Motors

Model Number:	BLDC4.0-154
Type:	Brushless DC Motor
Output Power:	5.5HP
DC Voltage:	48V
Speed Range:	2580RPM
Poles:	4P, 6P, 8P...

Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC4.0-154	Type:	High Power Brushless DC Motor
Output Power:	5.5 HP (4000W)	DC Voltage:	48V	Speed Range:	2580 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class F
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, Electric Vehicle				

Product Description

The volcano Electric high power brushless DC motors are notable for:

- long operating life
- High efficiency over 90%
- Highly dynamic acceleration
- Good regulation characteristics
- Wide speed range
- High power density
- Maintenance-free
- Robust design

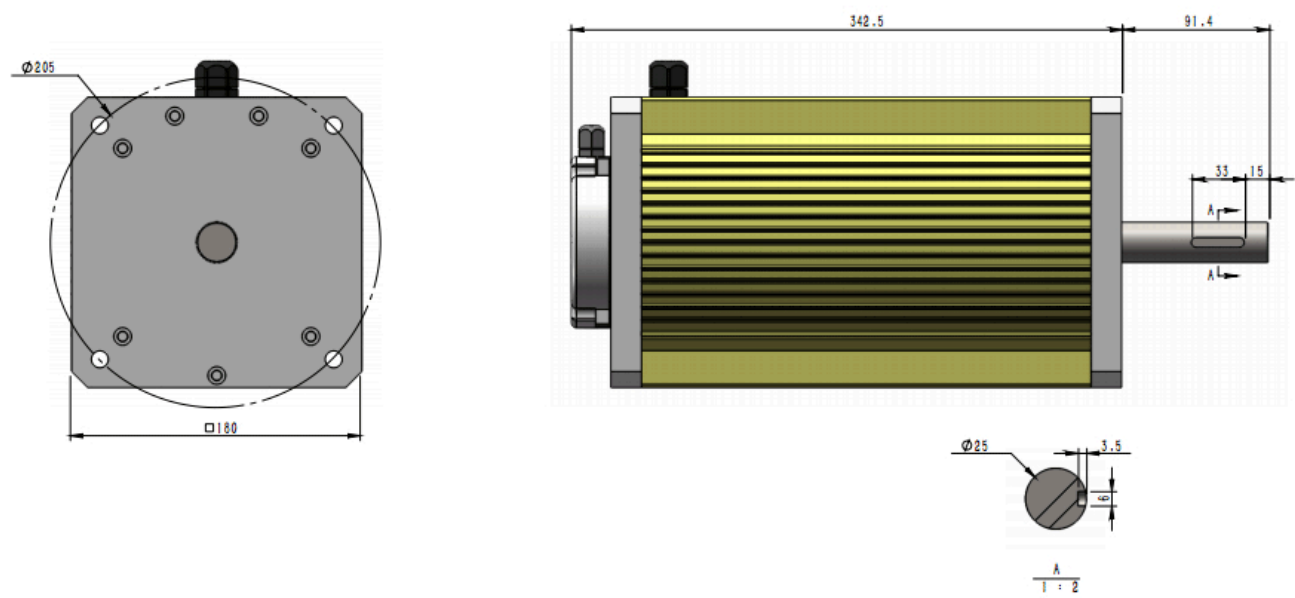
- Integral Hall sensors for rotor position
- Low moment of inertia
- High degree of protection
- Rare earth NdFeB magnets

5.5HP 48V High Power [Brushless DC Motors](#), 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 1.5KWto 10KW, its torque range on continuous duty is 3-20Nm,on intermittent duty up to 7.5-50Nm.It can keeps at a high efficiency at wide speed range.

With the rich experience in Brushless DC motor researching and designing, our technical team can design a proper motor based on customers' applications. Besides, the controller of BLDC motor is critical in various application. In Volcano Electric, we design and produce our motor control in house.

To have a exact motors you required, do contact our team now at info@volcanomotor.com

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

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


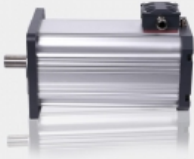

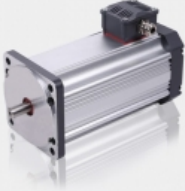

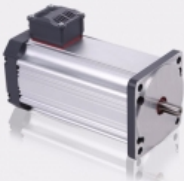

- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** 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 IEC Motors B14 Face Mounted](#)

[Next 5500W High Power High RPM BLDC Motors](#)

You may like:

				
48v 4.5kw 1500rpm BLDC Motor	72V 5500W 3680rpm Brushless Electric Motor With Controller	251mm 72V 4KW Hall Sensor BLDC Motor With Controller	251mm 48V 4000W 2580rpm Hall Sensor With Controller BLDC Motor	48V 4100W High Power NEMA Frame BLDC Motor

 	 	 	
Customized 4.5kw 72v 1500rpm Brushless Dc Motor	6hp 3000rpm Powerful Brushless Dc Motor	5kw 72v Brushless Dc Motor With Hall Sensor	5500W High Power High RPM BLDC Motors

DC Motor Manufacturer & Supplier in China
Email: info@volcanomotor.com | Tel: 86-18157453060

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