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1.55 KW 4300 RPM High Speed BLDC Motor

Model Number:	BLDC1.55-154
Type:	Brushless DC Motor
Output Power:	1.55KW
DC Voltage:	45V
Speed Range:	4300RPM
Poles:	4P, 6P, 8P...

Detailed information

Brand Name:	Volcano Electric	Model Number:	BLDC1.55-154	Type:	High Speed BLDC Motor
Output Power:	1550W	DC Voltage:	45V	Speed Range:	4300 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, IE3.0, over 85%		
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

1.55W 4300RPM High Speed BLDC Motor is a typical BLDC motors that we are producing now. We designed this motor by customer's requirements, and optimize the performance at the rated working condition. The efficiency is up to 85% at rated speed. This high speed BLDC motor has wider speed range compared to AC motors. From 4500RPM to 3000RPM speed range, the motor efficiency keeps over 60%.

How to Select a BLDC Motor?

Selecting the appropriate BLDC Motor requires knowing the requirements of the application, such as torque, speed, size, power, length, etc. While determining which BLDC Motor best fits the requirements, the controller must be considered as well, as this goes hand in hand with the operation of the [Brushless DC Motor](#).

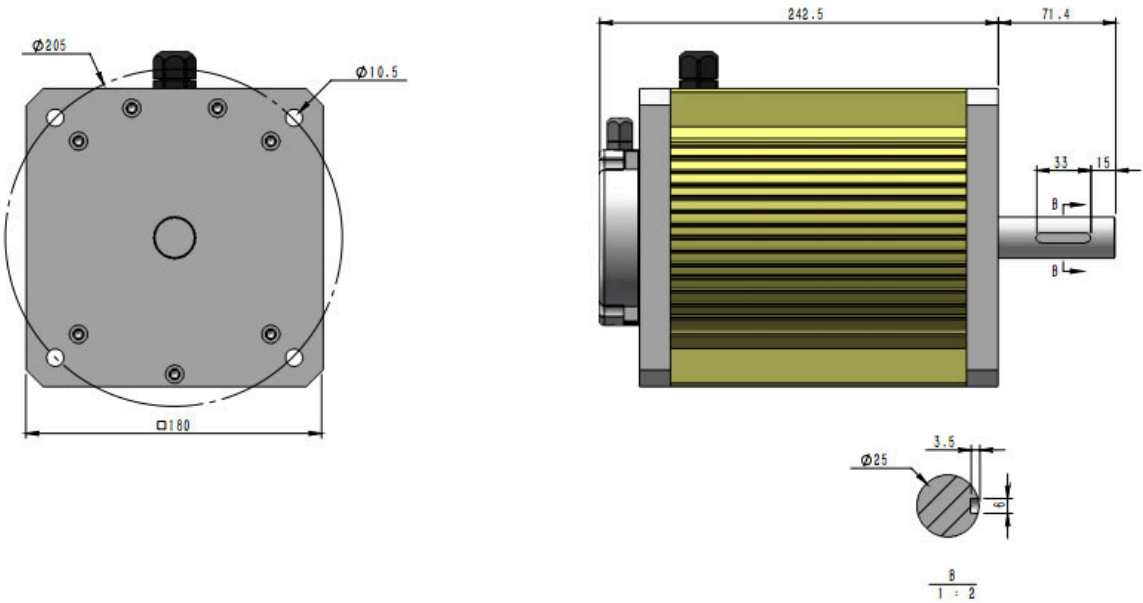
Lastly, environment is important to consider. Applications requiring a harsh, damp environment may require motors with specific IP ratings. To Contact our technical team for customized High Speed BLDC Motors.

Some applications of BLDC Motors

- Instrumentation
- Medical
- Appliances
- Automotive
- Factory Automation Equipment
- Aerospace
- Military



Configuration



*CAN MAKE ACCORDING TO YOUR REQUIRMENT

Brushless motor list

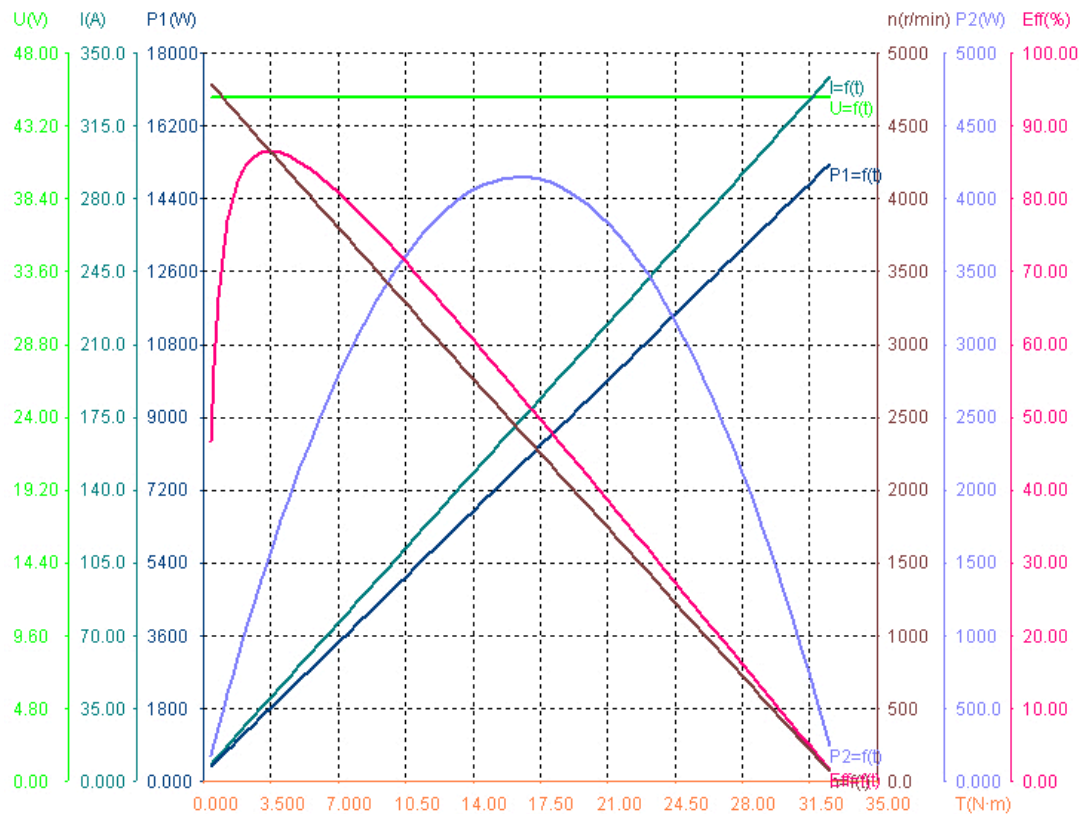
Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
BLDC1.55-154	1.55	45	40	4300	3.44	8	86	60

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 1550W 45V 4300RPM High Speed Brushless DC Motors



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

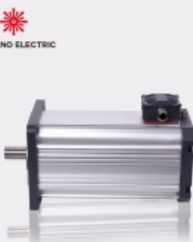



- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** 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 3750 RPM High Speed Brushless DC Electric Motor](#)

[Next 3kw 48v BLDC Motor](#)

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

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