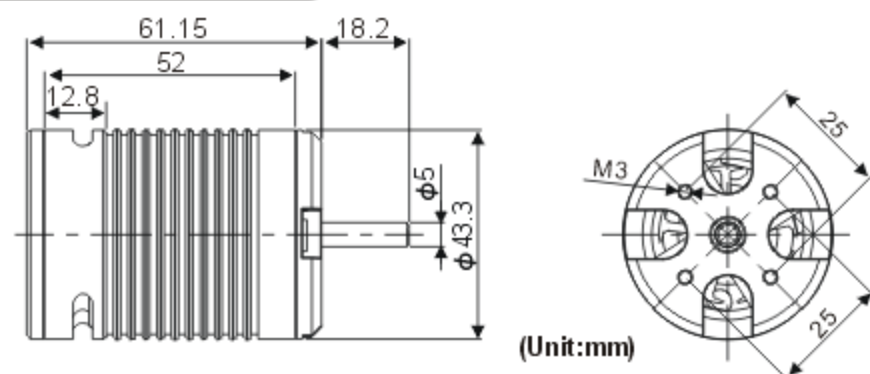


RCM-BL600L Brushless Motor

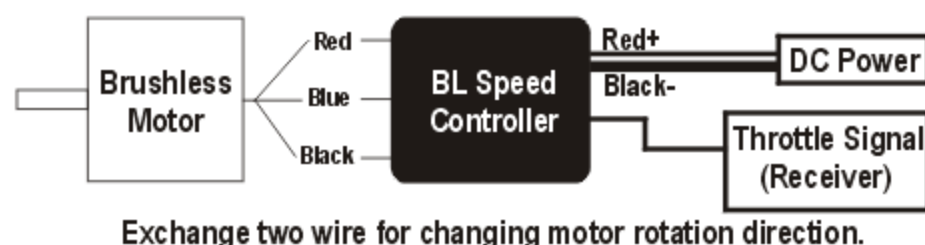


This new Brushless motor developed by the ALIGN POWER R&D TEAM, is packed with the latest, cutting edge technology available today. It features exceptional levels of high-torque power. The 600L utilizes an 6-pole outrunner stator-rotor and unrivaled Ndfeb extra strong magnets that traditional magnets cannot compare to. Also included is a high temperature, wear-resisting, low friction, double ZZ high efficiency bearing. The 600L will be the most revolutionary motor operating on low current amperage, and delivering high torque to RC models.

Specification



Illustration



Model	Input voltage	Dimension	Weight	KV	Max. Output Current
RCM-BL 600L	DC25.2V 6cell Li-Po	Shaft 5x61.15x43.3mm	Approx 280g	1620KV	1500W

Features

1. The 600L is maintenance free, and has a light, compact design. Gilt terminals are included for simple connection with ESC. The motor operates with very high efficiency, and low power consumption. The motors will provide many hours of smooth, reliable, quiet, and efficient flying.
2. These new brushless motors are designed with a new radiator system. The motors are built with an integrated cooling fan and has air ingress/egress vents, circulating cool air inside the rotor continuously. The motors efficiently lower operating temperature.
3. The motors feature High-speed ball bearings, powerful magnetic outrunner rotor.

These high-torque, high-speed, brushless motors, RCM-BL600L, are suitable for RC electronic products. The features of high efficiency output, low amperage, and light weight are suitable for electronic helicopters which require high-torque and high-speed power systems. We recommend using one of our perfectly mated Brushless Speed Controllers, such ALIGN or other brushless electronic speed controllers available on the market.

Rotor is constructed with very powerful Ndfeb Magnets. The stator is coiled by our NC auto winding machine, formed and protected with high strength resin for heat resistance and low vibration. The spindle is designed with Hardened Stainless Steel and a double ZZ high speed bearing. Additionally, 600 brushless AC motor is custom developed by ALIGN R&D technology specifically for RC model use. These motors provide long lasting, high efficiency, impact-resistance, low magnetic loss. These new product have passed various thorough inspections made by our technical department, including motive testing, static testing, magnetic field testing, heat resistance and magnetic loss testing, running balance and vibration testing, noise testing, and many hours of actual loading and flying testing, etc. Align is proud to provide the latest innovations in RC Modeling to its consumers. Please enjoy your Align products safely.

CONSTANT VOLTAGE TESTING REFERENCE(USING T-REX 600)

Input Voltage:25.2V(4200mAh 16C Li-Po) Gear Ratio:17:1														
GENERAL FLIGHT	Throttle	Pitch	Current (Approx.)	RPM (Approx.)	ID1	Throttle	Pitch	Current (Approx.)	RPM (Approx.)	ID2	Throttle	Pitch	Current (Approx.)	RPM (Approx.)
	100% High speed	+9°	58A	1900		100%	+9°	58A	1900		100%	+9°	57A	1900
65% Hovering	+4°~+5°	18A	1650	70%	+4°~+5°	21A	1750	80%	0°	25A	1980			
				100%	0°	28A	2030							
				82%	-5°	26A	1850	100%	-9°	58A	1900			