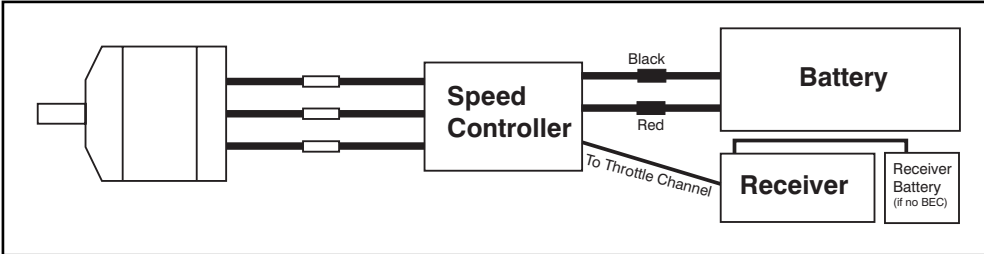
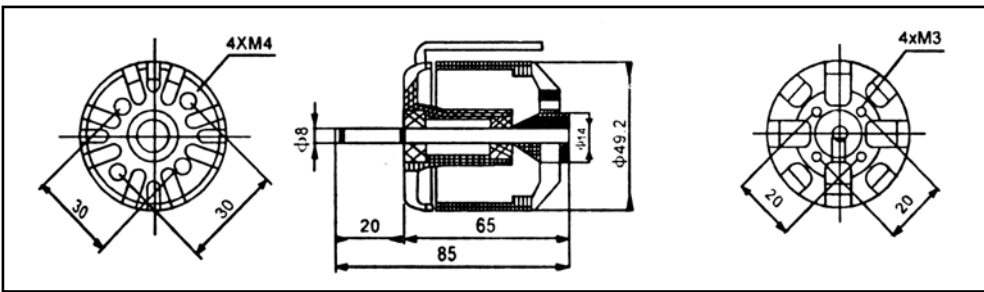


## Lightning 75 Outrunner Brushless Motor By Skyshark R/C



### Features:

- Front and rear precision ball bearings for better efficiency and stronger performance.
- 80% Efficiency
- Heavy duty 8mm shaft
- High RPM to better simulate glow engine performance
- 2 Year Warranty
- 2 Year Crash-Free Guarantee  
(Motor replaced at 50% list price if damaged or crashed)

Model	Voltage Range	KV (RPM per Volt)	Weight	Operating Current	Max Current	ESC	Battery
Lightning 75	8 - 36	380	14.4 ounces	30 - 60	70	70 amp	6-8 LiPo

### Connecting your motor:

1. Locate the 3 wires and remove the female end of the 4mm connector. Solder the female connectors on to your speed controller wires.
2. If front mounting the motor, connect the wires from your speed controller to the motor wire of the same color.
3. If using the optional motor mounting kit, reverse two wires on your speed controller (eg. the black wire on your speed controller will connect to the yellow motor wire and the yellow speed controller wire will connect to the black motor wire) This will insure the motor operates in the correct direction. You will not damage the motor by connecting the wires wrong. If you find the motor is not operating in the correct direction, simply switch two of the wires. If using a Skyshark Ultra speed controller, you can connect the wires in order and program the motor to run in the correct direction later.
4. Refer to your speed controller documentation for instructions on connecting your speed controller and battery. If you plan to mount this motor to an existing firewall, you will need to purchase the SBA5075 Firewall Mount.

Lightning 75 6 cell 22.2 volt Skyshark Ultra LiPo Battery Skyshark Ultra 70 Controller Timing 15 degrees			
Prop (APC)	RPM	Amps	Watts
14 x 7	7600	31	725
14 x 8	7400	33	750
15 x 8	7300	36	825
15 x 10	7100	40	900
16 x 8	7100	40	900
16 x 10	6700	48	1100
17 x 10	6400	51	1150
18 x 10	6100	55	1250

Lightning 75 8 cell 29.6 volt Skyshark Ultra LiPo Battery Skyshark Ultra 70 Controller Timing 15 degrees			
Prop (APC)	RPM	Amps	Watts
13 x 6	10,700	31	950
13 x 8	9700	36	1100
14 x 7	9500	42	1300
14 x 8	9300	45	1400
15 x 6	9400	44	1350
15 x 8	8600	55	1700
15 x 10	8200	59	1800
16 x 8	8300	57	1750

The above numbers are static measurements. In flight, amp draw will decrease approx 10 -15% and RPMs will increase slightly. Shaded area indicates max efficiency - for best performance use these prop sizes. Always use a watt meter to test your system's performance and amp draw before the first flight.

- For maximum power, set your computer radio's throttle setting to 140%
- Use of 30 degree timing on your speed controller will increase the rpm and amp draw and decrease the motor's efficiency
- **Always balance your prop.** Using a prop that is out of balance will cause bearing and shaft damage that is not covered under warranty.



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### Manufacturer's Warranty

This product is warranted against manufacturer's defects in materials and workmanship for a period of 2 years from the date of purchase. Products covered by this warranty will be replaced at no charge upon inspection of the defective item. Not covered under this warranty are defects resulting from misuse, abuse, modification, alteration or any type of damage. See our website for complete warranty details.