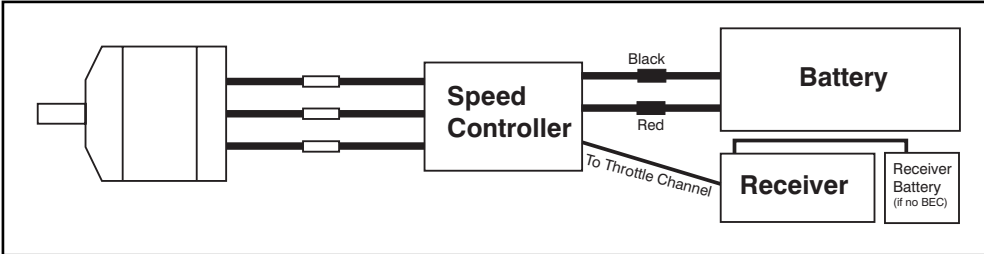
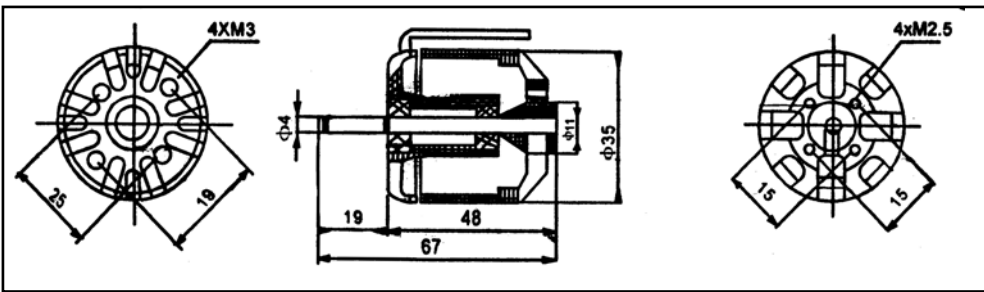


Lightning 35 Outrunner Brushless Motor By Skyshark R/C



Features:

- Front and rear precision ball bearings for better efficiency and stronger performance.
- 79% Efficiency
- Heavy duty 4mm 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 35	6-18	900	5.9 ounces	15 - 45	50	40 - 60 amp	3-4 LiPo

Connecting your motor:

1. Locate the 3 wires and remove the female end of the 3.5mm 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 without BEC, 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 SBA2535 Firewall Mount.

Lightning 35 3 cell 11.1 volt Skyshark 3000 Ultra LiPo Battery Skyshark Ultra 45 Controller Timing 15 degrees			
Prop (APC)	RPM	Amps	Watts
11 x 5.5	8200	20	222
11 x 7	7900	23	260
11 x 10	7300	27	300
12 x 6	7700	24	265
12 x 8	7200	34	380
13 x 6	7100	35	390
13 x 8	6800	37	410
14 x 7	6700	42	470

Lightning 35 4 cell 14.8 volt Skyshark 3000 Ultra LiPo Battery Skyshark Ultra 45 Controller Timing 15 degrees			
Prop (APC)	RPM	Amps	Watts
9 x 6	11,100	22	325
10 x 6	10,500	26	390
10 x 8	10,300	29	430
11 x 6	9700	31	460
11 x 8	9500	34	510
12 x 6	9300	39	580
12 x 8	9000	44	655

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.