

1. The motors are brushless type. They require a specific electronic speed controller (ESC) to control its operation. Please do not use the one you used for a brushed motor.

2. Connecting the motor to the ESC: Connect the 3 wires from motor to the ESC. There is no specific match of the 3-wires. If the propeller does not turn in the correct rotation direction, reverse or switch any two wires between the ESC and motor.

3. Use only the recommended number of battery cells and propeller size. Over-size propeller and battery cells will deteriorate its performance or even damage the motor.

4. These are strong efficient motors. To maximize the life of your motor keep the amp draw under control. The cooler you keep any motor the longer life it will have. Also check the sight often as some of the Amp ratings will be going up.

**Other considerations:** Always check system polarity. Do not use CA on a motor, it will strip the clear shield and short the motor. Limit static tests as there is no air flow over the motor during static use. When flipping shafts, removing bells, etc.. Use a press motion not a taping or hammering motion.

## 3542-6 920KV 2-4 Cell Lipo 920KV ~ 45 Amps ~ 450 Watts

### Motor Data for 3542-6 920KV Direct Drive Stats (Stats by us at 4,907' above sea level)

Prop Type	Prop Diameter	Prop Pitch	Voltage	Thrust Oz.	Thrust Grams	RPM	Amps	Watts	Pitch Speed
-	No	Load	11.5	-	-	-	1.9	-	-
APC SF	10	3.8	10.3	38.6	1094.3	8400	18.7	192.6	30
APC E	10	5	10.8	33.3	944.1	9240	16	172.8	44
APC SF	10	7	10.2	43.1	1221.9	7720	26	265.2	51
Xoar	10	5	11	33	935.6	9450	15.7	172.7	45
APC SF	11	4.7	10.3	50.1	1420.3	7830	25.4	261.6	35
APC E	11	5.5	10.6	40.6	1151.0	8520	21.1	223.7	44
APC E	11	8	10.1	39.9	1131.2	7530	26.9	271.7	57
APC SF	12	3.8	10.1	54.3	1539.4	7260	29.9	302.0	26
APC SF	12	8	10.9	65.7	1862.6	6480	47.9	522.1	49
Xoar	12	8	11.2	57.1	1618.8	7740	35.2	394.2	59
Xoar	13	6.5	11.1	67.7	1919.3	7530	37.7	418.5	46
Xoar	13	7	11	66	1871.1	7500	36.5	401.5	50

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**Factory Info: 980KV - IO 2.3 - 8-12 NiCd/Mh 3-4 Cell Lipo - Suggested prop 12x6**

