# Brodak Cardinal CL Profile

The BA-2820-910 motor with a 10x6 prop will spin at around 11,200 RPM at full throttle, so with the governor dropping the RPM back to around 75% throttle, you will be able to hit your target of 9400 RPM quite easily. The BA-2820-910 motor is rated for up to 65 amps of current, but when you run it with a 10x6 prop at 9400 RPM, you will only be pulling around 20 amps or so. Our BadAss Rebel ESC's are a good match for the BadAss motors, and you could use the 60 amp ESC with this motor. That way, if you decide you want more power, and use a larger prop, the ESC will be adequate to handle the extra current.

Some CL flyers prefer to use reverse-pitched props, and run the motors in the opposite direction, so that the natural torque and yaw factors of the prop tend to pull the plane to the outside of the circle and help keep the lines tighter. We do have props available in both normal and reverse pitch, and we also offer spinners in both normal and reverse pitch to match. I will provide links to both types below, so you can decide which route you want to go.

Below are links on our website to the items described above.

**BA-2820-910 Motor:** https://innov8tivedesigns.com/badass-2820-910kv-brushless-motor.html

**BadAss Rebel V2 60-amp ESC:** https://innov8tivedesigns.com/badass-rebel-v2-series-brushless-esc-60a.html

**BadAss 4-cell 2600mah LiPo Battery:** https://innov8tivedesigns.com/badass-45c-2600mah-4s-lipo-battery.html

**APC 10x6-E Normal Prop:** https://innov8tivedesigns.com/apc-10x6e-propeller.html

**APC 10x6-E Reverse Prop:** https://innov8tivedesigns.com/catalog/product/view/id/1498/s/apc-10x6e-pusher-propeller/category/2/

**BadAss 10x6 Normal Wood Prop:** https://innov8tivedesigns.com/badass-wood-electric-propeller-10x6.html

**BadAss 10x6 Reverse Wood Prop:** https://innov8tivedesigns.com/badass-wood-electric-propeller-10x6-reverse.html

**Normal Pitch Prop Spinners:** https://innov8tivedesigns.com/products/spinners/plastic-spinners.html

**Reverse Pitch Plastic Spinners:** https://innov8tivedesigns.com/products/spinners/plastic-spinners.html?cat=347