Phoenix Model Stinson Reliant 68”

Phoenix makes a version with an 87” wingspan, a 68 inch wingspan and a 63 inch wingspan. The 87” model weighs 17-18 pounds, the 68” model weighs 9.5 to 10.5 pounds, and the 63” model weighs 5.5 to 6.5 pounds. If you have the one that weighs 10.5 pounds, then it would be the 68” version pictured below.

Looking at the manual for this aircraft, they call out a RimFire .80 motor and a 6-cell LiPo battery. This plane was also designed to use a 15cc Gas engine, which would use a 15-inch prop, so it would be safe to assume that the airframe has roof for a 15-inch prop and possibly a 16-inch.

Looking at our Cobra motors, one of the 4130 size would get you the power you need, and the one that is best suited to spin a 15-inch prop on 6 LiPo cells would be the C-4130/12 540Kv model. With an APC 15x7-E prop you would get the following full throttle performance numbers running on 6 LiPo cells.

Volts – 22.2
Amps – 63.9 amps
Watts – 1419
RPM – 9320
Thrust – 189 ounces (11 pounds 13 ounces)
Speed – 62 MPH

With one of our BadAss 15x7 Wood Props, you would get the same performance, but it would look perfect on the front of the plane with the gloss black finish, white tips and red BadAss Logo stamped onto the prop! We also have a nice black spinner nut available that will dress up the end of the prop shaft, like the one shown in the photo of the aircraft above.

To complete the power system, one of the Cobra 80-amp ESC's would be the correct match for this motor and prop combination. Below are links to all of the items described in this power system recommendation.

Cobra C-4130/12 540Kv Motor: https://innov8tivedesigns.com/cobra-c-4130-12-brushless-motor-kv-540.html

Cobra 80-amp Speed Controller: https://innov8tivedesigns.com/cobra-80a-esc-with-6a-switching-bec.html

BadAss 6-cell 5000mah LiPo Battery: https://innov8tivedesigns.com/badass-45c-5000mah-6s-lipo-battery.html

BadAss 15x7 Wood Prop: https://innov8tivedesigns.com/badass-wood-electric-propeller-15x7.html

APC 15x7-E Prop: https://innov8tivedesigns.com/apc-15x7e-propeller.html

M8x1.25 Thread Black Spinner Nut: https://innov8tivedesigns.com/black-spinner-nut-for-threaded-m8-x-1-25mm-shaft.html