Extreme Flight Extra 300 78”

According to the info on the Extreme Flight website, they were using their Xpwr 35cc motor with a wood 20x10, 20x12 or 21x10 prop on 12 cells. Their Xpwr 35cc motor weighs 774 grams and has a Kv value of 220 RPM/Volt.

The 78" Extra 300 weighs in at 12-13 pounds, depending on the size of the battery used, so for solid 3D, you would be looking for 25-26 pounds of thrust. We have a 6230 motor available in 4 different Kv values, and this motor weighs in at around 820 grams, so it is a couple ounces heavier than the Xpwr motor, but it will make much more power, being more of a 50CC equivalent than a 35 or 40cc equivalent.

The BadAss 6230-205Kv motor with one of our BadAss 20x10 wood props on 12-cells (44.4 volts) will give you the following performance numbers.

Volts - 44.4

Amps - 79.5

Watts - 3530

RPM - 8117

Thrust - 12,534 grams (27.6 pounds)

Speed - 77 MPH

This motor will have a max current rating of around 110 amps, so there is room for a larger prop if you wanted even more power.

BadAss 6230-205Kv Motor - https://innov8tivedesigns.com/badass-6230-205kv-brushless-motor.html

Recommended ESC BadAss Renegade 14S 130A or 160A with or without SBEC

https://innov8tivedesigns.com/products/speedcontrollersandbecs/badass-speed-controllers/badass-renegade-escs.html