

Frank Baker's B-24

I have a power system setup below for your consideration. This was chosen to give you what I would call a "robust scale" performance level so you have a little bit of power in reserve available. 100 watts per pound and a thrust ratio of 1:1 was my target and this setup does nail it. Take a look and let us know if you have questions or if you have something a bit different in mind.

Aircraft: Frank Baker's B-24

Flying Weight: 8lbs (128oz)

Voltage: 4S LiPo

Prop Size: 8x6x3 3-blade

Desired Performance: Scale

Needed Power: 100 watts/lb with a thrust ratio up to 1:1

Calculated Power Needed: 800 watts with 128oz thrust

Calculated Power Needed for each Motor: 200 watts 32oz Thrust

BadAss 2310-900Kv, 4S LiPo, Master Airscrew 8x6x3 Prop

Each Motor: 14A, 202 watts, 56mph Pitch Speed, 31oz Thrust

Total Power: 808 watts, 124oz Thrust

101 watts/lb, 0.97:1 Thrust Ratio

Motor – <https://rcdude.com/badass-2310-900kv-brushless-motor.html>

Prop Chart - <https://rcdude.com/pub/propcharts/BA2310-900-Specs.htm>

Recommended ESC BadAss Rebel V2 20A - <https://rcdude.com/badass-rebel-v2-series-brushless-esc-20a.html>

BadAss 4S Lipos - <https://rcdude.com/products/batteries/badass-lipo-batteries/4s-lipos.html>