



(RC Model Airplane Construction Plans)

rcFoamFighters FF-RAZOR

(Original Design & CAD Drawing by Paul Petty - June 2024) Template Plan Release Ver. 1.0

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Very Important printing instructions!!!

Make sure you print to "Actual Size" or your plan may come out the wrong scale. Do not use "Fit" or "Shrink oversized pages". Older Acrobat versions may also list "Fit to Printable Area" or similar as the default. Make sure you Select "Actual Size" or "Scaling to None" or similar setting to print your plans correctly. See example below.

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Page <u>S</u> etup	Page 1 of 43 Print Cancel

rcFoamFighters

Template Plan

(CAD Plans by Paul Petty - Rev. 1.0, June 2024) (Plan Release 1.0 - Copyright rcFoamFighters 2024) (Contact rcFoamFighters at: admin@rcfoamfighters.net) (Please Visit Our Website at: http://rcfoamfighters.net)

Basic Specs as built by rcFoamFighters:

Wingspan: 26.56 Inches (67.46cm) Length: 18.96 Inches (48.16cm) All Up Weight (AUW): 8.7oz. (147.0 grams) Top Speed: 50+mph (80.5+kph)

Note, weight and top speed may vary depending on materials, motor, battery and electronics used. The weight given here is based on the model rcFoamFighters made using Readiboard brand Foamboard.



Parts as built by rcFoamFighters: BASIC SETUP (55+mph) Motor: Tiger F40 1950kv Brushless Drone Motor ESC: 18A Brushless BLHeli ESC with built in BEC (SunnySky ESC bought at readymaderc.com) Prop: APC 6x5 Sport Prop. Battery: 3S 650mA (50C or better recommended) Servos: 2 Mini Metal Gear Servos, 5 to 12 gram recommended. TX/RX: Any 4-channel or better with Delta Mixing (2.4ghz preferred) Plane was originally designed to be made from one sheet of 20x30 Dollar Tree Foamboard. Depron or FanFold Foam can be used but may require Carbon Spars.		
 Disclaimer (Please Read): This is a design template for a high performance, high speed RC aircraft. This plane should only be built and flown by experienced pilots with adequate skill to fly fast, maneuverable planes. DO NOT fly this plane where it can endanger people, livestock or property. ANY PERSONS DECIDING TO BUILD AND FLY THIS PLANE DOES SO AT HIS/HER OWN RISK AND LIABILITY. RCFOAMFIGHTERS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THIS PLANE. This plane should only be launched via the side launch method. Do not attempt to launch from the top or bottom of the fuselage. Doing so can cause EXTREME BODILY HARM if any hand or body part comes into contact with the fast spinning propeller. All minors should fly under the supervision of an adult or guardian. 		
RECOMMEND A BRUSHLESS DRONE MOTOR BECAUSE THEY ARE LIGHT WEIGHT.		
NOTE, BELOW CONTROL SURFACE SETTINGS ARE GOOD STARTING POINTS FOR BASIC FLYING AND CAN BE ADJUSTED MORE OR LESS FOR ACTIVE OR RELAXED FLYING. IF YOU HAVE DUAL OR TRIPLE RATE SWITCHES, YOU CAN SET THEM ACCORDING TO HOW YOU MAY LIKE.		
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