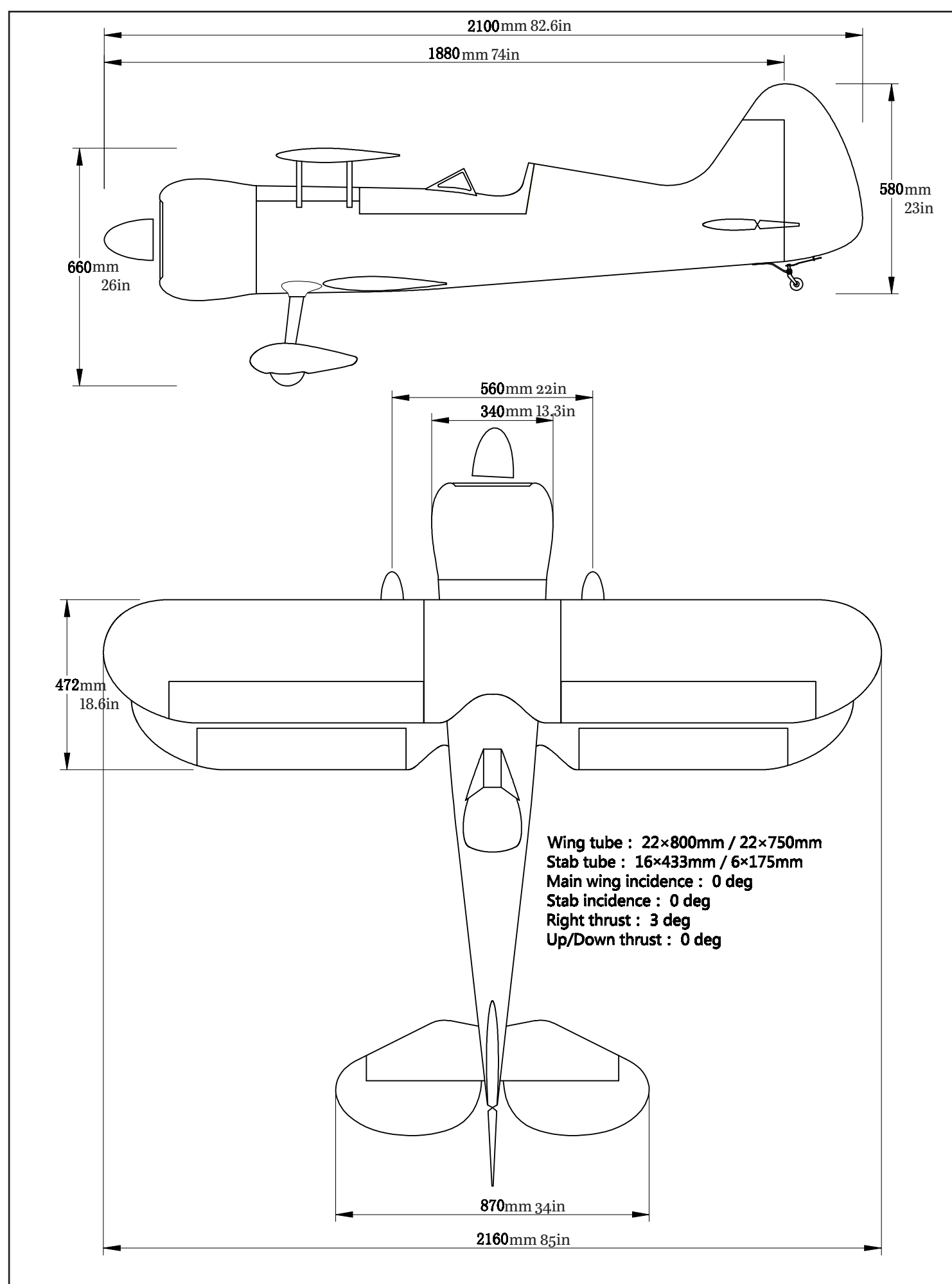


MUSCLE BIPE 85"



SPECS

WingSpan: 85"
Length: 82"
Wing area: 2100 sq. in.

Spinner: 4.5" (or Tru-turn 2 inch B-style Prop Hub)
Weight: 20-22 lbs. (twin gas) 24-25 lbs. (radial)

Center of Gravity range (measured from TOP wing leading edge at root): 5.25" (133mm)
Note: Plane should hang level when supported under the TOP wing at this point.

Control settings:

Aileron Low: 15 deg up, 15 deg down 18-20% exponential
High: 33 deg up, 32 deg down 50-60% exponential

Elevator Low: 10-12 deg 18-20% exponential
High/3D: 45-50 deg 50-60% exponential

Rudder Low: 20 deg 50-60% exponential
High: 45+ deg 60-80% exponential

Power System:

Gas Twin, Electric ARF version:

DA-70, GP-76 - Falcon 24x8, 24x9, 25x8
Blazing Star 70CC mount
Stock mufflers recommended., any other exhaust installation will require custom fitting.
Flow Master 24 oz. Fuel Tank
NOTE: install rudder servo in pull-pull location and batteries forward

XPWR 60cc Brushless motor - XOAR 24x12 wood electric
Blazing Star XLarge standoff set for XPWR motors
12S 5500-6200mah, Castle Creations HV-160 ESC w/4.22 firmware, Scorpion Tribunus II 14-200A ESC
NOTE: install rudder servo in pull-pull location and batteries forward

Radial Engine ARF Version (NOTE: Motor mount box is 2" shorter than twin version)

Saito FG-90 Radial - Falcon 24x10, 25x10
Blazing Star Standard standoff set (Use Base sections only)
Keleo Radial Exhaust Ring manifold recommended for Saito FG-90
Flow Master 24 oz. Fuel Tank
NOTE: install rudder servo in tail and batteries mounted at rear of canopy.
NOTE: cooling baffles for FG-90 included in kit.

Servos: Qty. 7 high torque metal gear servos SAVOX 1280, SAVOX 2290
Throttle Servo: MKS HV1250

Servo Arms

Qty. 7 Extreme Flight 1.5 inch single servo arms (tapped 3mm) for all surfaces (rear-mounted rudder)
Qty. 1 Extreme Flight 3 inch double-sided servo arm (tapped for 3mm) for Pull-Pull Rudder (optional)

Servo Extensions

Qty. 2 Extreme Flight 20 AWG 6 inch for Lower Wing Ailerons servos (wing side)
Qty. 2 Extreme Flight 20 AWG 24 inch for Upper Wing Ailerons servos (fuselage side)
Qty. 2 Extreme Flight 20 AWG 12 inch for Lower Wing Ailerons servos (fuselage side)
Qty. 2 Extreme Flight 20 AWG 36 inch for Elevators
Qty. 1 Extreme Flight 20 AWG 36 inch for Rudder if using rear-mounted Push-Pull Rudder servo
Qty. 1 Extreme Flight 20 AWG 24 inch for Throttle servo

Covering:

Red/White/Gold color scheme:

Oracover colors	Ultracote colors
Ferrari Red #23	True Red-#HANU866
White #10	White-# HANU870
Gold #92	Gold-#HANU879

Yellow/Black/Silver color scheme:

Cadmium Yellow #33	Bright Yellow-#HANU872
Silver # 91	Silver-#HANU881
Black #71	Black-#HANU874

EXTREME FLIGHT