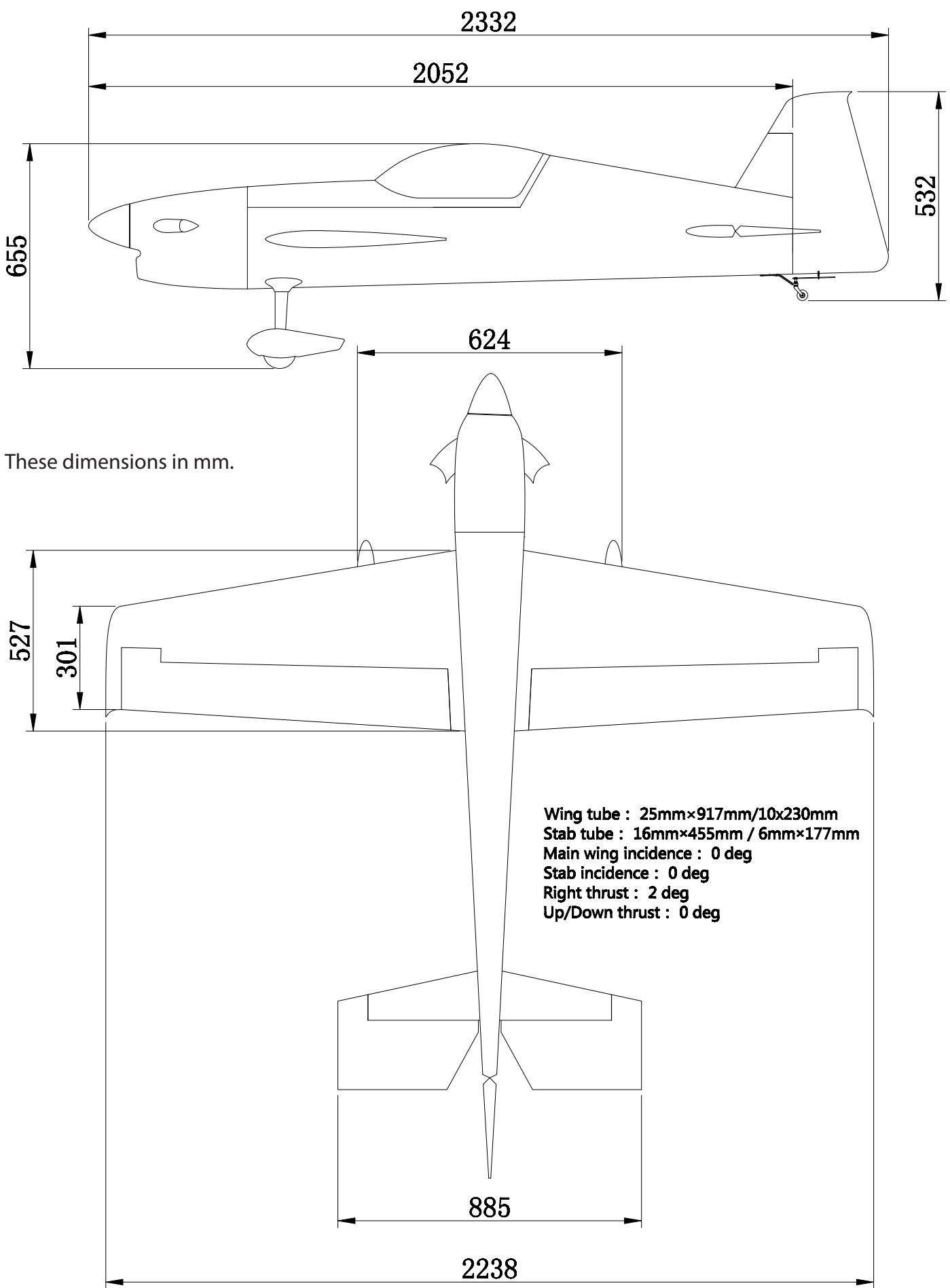


# 85" Turbo Raven



## SPECS

WingSpan: 85" (88" wing optional wingtips) Spinner: 5"  
Length: 91" Weight: 17-18 lbs.  
Wing area: 1434 sq. in.

Center of Gravity position: Rear edge of wingtube for maiden flight, then move back to suit

### Control settings:

Elevator: Low Rate 8-10 deg. 15-20% expo  
3D Rate 45-50 deg. 60-65% expo  
XA/Tumbling rate 55 deg. 65-70% expo

Aileron: Low Rate 15-20 deg. 40-45% expo  
High Rate 38 deg. up, 37 deg. down 70-75% expo

Rudder: Low Rate 20 deg 40-45% expo  
High Rate 45-50 deg. 70-80% expo

### Power System:

DA-60, GP-61 - Falcon 24x8, 24x9  
25mm drop header MTW TDH-75 canister or MTW RE-2 tuned pipe  
Flow Master 17 oz. Fuel Tank

XPWR 60cc Brushless motor - 24x12, 24x13 carbon electric  
12S 5000-6000mah, Castle Creations HV-160 ESC w/4.22 firmware

Servos: Qty. 5 high torque metal gear servos  
SAVOX 1280, SAVOX 2290

Throttle Servo: SAVOX 1270 unless using exhaust header with servo in upright mount position.  
If so, use a low-profile such as SAVOX SB-2262. Consult build guide for more detail.

### Servo Arms

Qty. 2 Extreme Flight 1.5 inch single servo arms (tapped 3mm) for Ailerons  
Qty. 2 Extreme Flight 2 inch single servo arms (tapped for 3mm) for Elevators  
Qty. 1 Extreme Flight 4 inch servo arm (tapped for 3mm) for Pull-Pull Rudder (optional)  
Qty. 1 Extreme Flight 2 inch servo arm (tapped for 3mm) for Push-Pull Rudder in tail (optional)  
Qty. 1 Extreme Flight 1 inch servo arm (tapped for 3mm) for throttle

### Servo Extension

Qty. 2 Extreme Flight 20 AWG 6 inch for Ailerons servos (wing side)  
Qty. 2 Extreme Flight 20 AWG 6 inch for Ailerons servos (fuselage side)  
Qty. 2 Extreme Flight 20 AWG 48 inch for Elevators  
Qty. 1 Extreme Flight 20 AWG 36 inch for Rear-mounted Push-Pull Rudder (optional)  
Qty. 1 Extreme Flight 20 AWG 12 inch for Throttle servo

### Covering:

#### Blue/Yellow Scheme

Oracover colors	Ultracote colors
Blue #50	Deep blue #HANU873
Dark Blue #52	Midnight Blue #HANU885
Cub Yellow #30	Cub Yellow #HANU884
White #10	White #HANU870

#### Red/White Scheme

Oracover colors	Ultracote colors
White #10	White #HANU870
Ferrari Red #23	True Red #HANU 866
Dark Blue #52	Midnight Blue #HANU885
Cub Yellow #30	Cub Yellow #HANU884