

The KIT has two parts: The Airframe Kit and the Finishing Kit. You'll also need other things including, but not limited to: an engine, engine mount, battery, propeller, instruments, fabric, glue, paint and more.

The airframe listed has a gross weight of 1000 pounds, with a useful load of about 430 with a Rotax 912UL. Our Gross Weight Upgrade Kit allows 1200 pounds gross weight when paired with a 100HP engine. Useful load goes up to 600.

## AIRFRAME KIT

### CABIN

- 1) Cabin parts CNC precut honeycomb aluminum panels, still tabbed into sheets. You must cut tabs to remove parts (for example, use dremel with cutoff wheel to cut through tabs)
- 2) Firewall angle aluminum, you must cut to length and mitre corners
- 3) Left and right "A" column gusset, CNC cut, predrilled
- 4) Bulk angle stock, you must cut to length and rivet on butting edges throughout cabin
- 5) Bottom cabin aluminum sheet, CNC cut, predrilled
- 6) Front cabin aluminum sheet, CNC cut, predrilled
- 7) Top cabin aluminum sheet, CNC cut, predrilled
- 8) Steel spar carry throughs
- 9) Aluminum angle bottom lift strut carry through
- 10) 0.25" heavy landing gear plate, CNC cut
- 11) 0.125" side landing gear plates, CNC cut
- 12) AN Bolts, Nuts, Washers for bolting landing gear plates on corners
- 13) Aluminum angle for bolting landing gear plates
- 14) Bench seat and backs, CNC precut aluminum
- 15) Hinge material for seat
- 16) Four quick release clips for seat
- 17) Front floorboard CNC cut honeycomb
- 18) CNC precut windshield ribs and windshield horseshoe
- 19) Windshield cross stringers
- 20) Pilot's polycarbonate .040 window CNC precut
- 21) Trim ring for pilot's window
- 22) Stainless Steel firewall, must be cut to shape by builder (depends on cowl choice)
- 23) Rudder Pedal Kit for pilot, includes toe brake paddles and hinges (but is NOT dual rudder pedals). (ALSO, Brakes are not included – see finishing kit)
- 24) Rivets

### REAR FUSELAGE

- 1) Rear Fuselage formers CNC precut honeycomb aluminum panels, still tabbed into sheets. You must cut tabs to remove parts (use dremel with cutoff wheel)
- 2) Vertical stabilizer CNC precut honeycomb aluminum panels
- 3) Square thinwall aluminum tubing, you must cut to length and rivet on butting edges throughout rear fuselage
- 4) Bulk angle stock, you must cut to length and rivet on butting edges at some locations
- 5) Bottom rear fuselage aluminum sheet CNC cut
- 6) Side rear fuselage aluminum sheet CNC cut

- 7) Top rear fuselage aluminum sheet in four overlapping sheets, you must trim to fit each sheet
- 8) Vertical stabilizer CNC precut honeycomb aluminum
- 9) Bottom 0.75" square reinforcement tube
- 10) Predrilled gussets
- 11) Rivets

### RUDDER

- 1) CNC precut rudder
- 2) Angle material for attachment of rudder bellcrank
- 3) CNC precut rudder bellcrank
- 4) Hinge material
- 5) AN Bolts, Nuts, Washers for attachment to hinge
- 6) Softwood insert for rear of rudder

### HORIZONTAL STABILIZER and ELEVATOR

- 1) CNC precut horizontal stabilizer
- 2) CNC precut elevator
- 3) CNC precut stabilizer bracing parts from 0.125" alum
- 4) AN Bolts, Nuts, Washers for bolting bracing
- 5) Aluminum angle
- 6) Hinge material for elevator and trim tab
- 7) AN Bolts, Nuts, Washers for elevator attachment to hinge material and bellcranks
- 8) CNC precut and predrilled gussets for elevator assembly
- 9) CNC precut elevator bellcranks
- 10) Left and right side 1" thick foam piece CNC precut for trailing edge of elevator
- 11) Softwood for fabrication of right side elevator trim tab
- 12) Rivets

### WINGS (set of two)

- 1) 12' aluminum spars (set of four)
- 2) Wing Ribs CNC precut honeycomb aluminum panels, tabbed into sheets.
- 3) 2" Foam blocks for inter-rib anti-sail
- 4) 0.5" 6061T6 false rib spars 24' total
- 5) False ribs, CNC precut from 1/8" plywood
- 6) Aluminum strips to fabricate trailing cove for Ailerons. Builder cuts to length, bends and drills
- 7) Aluminum strips to fabricate trailing cove for flaps. Builder cuts to length, bends and drills
- 8) Aileron Kit for each wing
- 9) Flap Kit for each wing
- 10) Hoerner Wingtip Kit for each wing

### JURY STRUTS

- 1) CNC Precut
- 2) Trim wood

## FINISHING KIT – TAILDRAGGER

### LANDING GEAR (set of two)

- 1) 7075T6 turned gear legs
- 2) CNC Machined gear leg collars
- 3) Matco Wheels
- 4) Matco hydraulic brakes
- 5) Matco hydraulic master cylinders (set of two)
- 6) Matco axles
- 7) Hydraulic tubing for brakes
- 8) Tubeless kit
- 9) 800 x 6.00 tires
- 10) Gear attachment fittings for connecting axle to gear leg
- 11) AN Bolts, Nuts, Washers

### TAIL WHEEL

- 1) Aluminum spring
- 2) Swiveling tail wheel assembly
- 3) AN Bolts, Nuts, Washers
- 4) Steel attach bracket

### LIFT STRUTS

- 1) Set of four main steel lift struts
- 2) CNC Machined lift strut inserts
- 3) ½" Aluminum tubing for jury strut fabrication
- 4) Tube clamps for attachment of jury struts
- 5) AN Bolts, Nuts, Washers

### WINDSHIELD

- 1) 0.093" polycarbonate CNC precut windshield
- 2) Stainless steel Bolts, Nuts, Washers for attachment
- 3) Rivets

### ENTRY DOOR (set of 2)

- 1) CNC precut honeycomb door
- 2) 0.040" polycarbonate CNC precut windshield
- 3) Latch Mechanism
- 4) Rivets

### CONTROL SYSTEMS

- 1) Rudder cables
- 2) Rudder cable hardware
- 3) Rudder cable nylon tubing
- 4) Elevator Push-Pull cables (set of two)
- 5) Elevator cable mounting angle
- 6) Elevator cable collars (set of four)
- 7) Aileron Push-Pull cables (set of two)
- 8) Aileron cable mounting clasps (set of four)
- 9) CNC machined control hardware set (comprehensive CNC parts kit for complete control assembly)
- 10) Steel all-thread
- 11) Rod end bearings
- 12) Aileron droop intermix plate
- 13) AN Bolts, Nuts, Washers

## OTHER ITEMS THAT ARE REQUIRED BUT NOT INCLUDED

- 1) Engine
- 2) Engine Mount
- 3) Propeller
- 4) Propeller spinner, if desired
- 5) Cowl
- 6) Fuel tanks
- 7) Fuel line tubing and hardware
- 8) Fuel selector and cutoff switch
- 9) Fuel filter
- 10) Fuel pump
- 11) Instrument panel
- 12) Instruments
- 13) Engine control (throttle quadrant, cables, magneto switches, primer pump or bulb, carb heat, etc.)
- 14) Battery
- 15) Covering material, paint, glue, oratex, etc.

## BELITE QUICKBUILD OPTIONS

The Chipper takes approximately 800 to 1000 man hours for a first time builder. We offer quick-build as an option. Our skilled assembly labor is available at a shop rate of \$68 per hour to assemble up to 49% of your aircraft under FAA rules.

We are very skilled at all facets of assembling this aircraft, from basic metal work, gluing, fabrication and riveting, through panel design, assembly and test, and fabric installation. Let us help on the parts of assembly that are not your strong points.

\$10495 - taildragger airframe kit 1000 pound gross, 80HP max)

\$11995 - taildragger airframe kit (1200 pound gross, 100HP max)

\$2595 - taildragger finishing kit (1000 pound gross, 80HP max)

\$2995 - tricycle gear finishing kit (1000 pound gross, 80HP max)

\$3195 - taildragger finishing kit (1200 pound gross, 100HP max)

\$3695 - tricycle gear finishing kit (1200 pound gross, 100HP max)

**[This pricing is also locked in with your \$500 deposit, but you MUST take delivery this year.]**

## OPTIONS

\* 5 gallon fuel tanks \$900 per pair

\* 14 gallon fuel tanks \$1400 per pair

\* Cowl for the 912UL / ULS later this year, price TBD.

\* Engine mount kit for the 912UL available, price TBD.

\* 25% discount on any Radiant instruments with purchase of a Chipper kit. Not including the radio / transponder / ELT, you can put together a very nice Radiant panel for <\$1K.

\* We recommend Oratex fabric.

\* We recommend DUC Helices propellers.