

How about a New “Old” to the Beauty of Flight...

... A “Back to Basics” Flying Machine with Modern Engineering

... That is Fun to Fly from Anywhere to Anywhere

... That is Extraordinarily Rugged and Yet Graceful

... That is an Extraordinary Value

Introducing

Aeropup USA



Classic Design

Precision Manufacturing

Easy to Build ... Easy to Fly



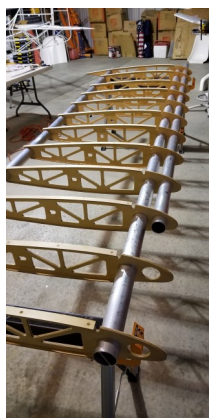
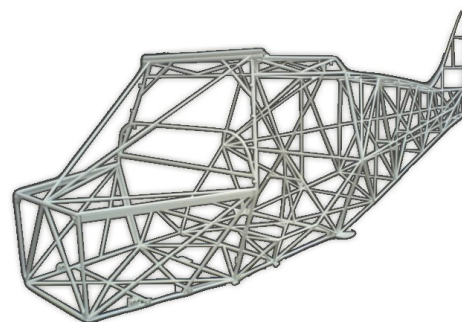
AeropupUSA.com





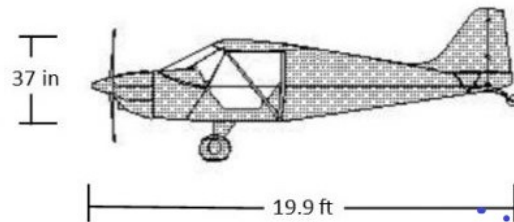
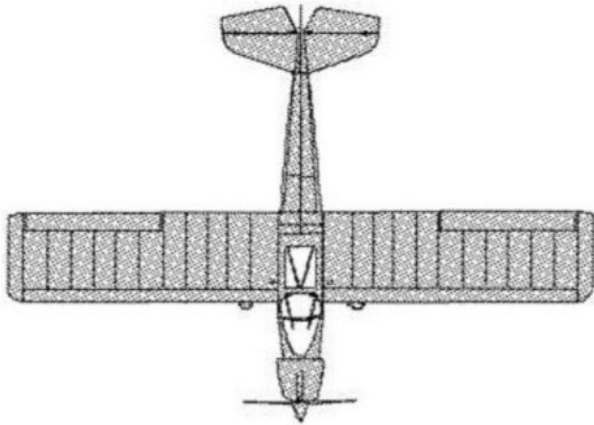
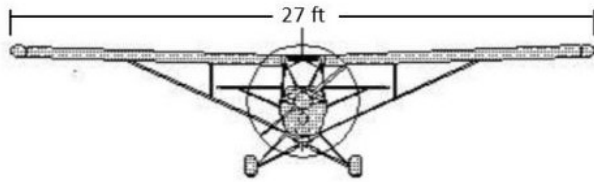
The Aeropup, also affectionally referred to as Aeropup USA or Aeropup MK IV, is a beautiful and vibrant two-seat Aircraft built to the highest standards using the finest materials by passionate craftsmen. Designed to match LSA specification, this kit aligns with the Experimental-Amateur built category of aircraft, providing great flexibility to tailor this airplane to your desires and needs. This high wing aircraft has exceptional handling & performance, the control surfaces are very large so that control is direct, precise and predictable. The cabin is spacious and comfortable with an exceptional 360° view. The large 24 gallon twin fuel tanks provide outstanding range. The Aeropup comes equipped with standard folding wings making the aircraft efficient, easy to transport & store.

The Aeropup is an incredibly robust flying machine with a fuselage made of tough well-engineered y CNC-precision formed chromium-allo steel tube that surrounds the pilot and passenger in a rugged safety cage



In addition to the strong steel cage fuselage, the Aeropup wing is comprised of three wing spars for extra strength. The main spar is a webbed structure providing more a higher strength to weight ratio compared to heavier and more traditional hollow spars. This design feature is unique to Aeropup

The Aeropup is Fun to Fly, Rugged, Practical and Easy to Maintain



AIRCRAFT SPECIFICATIONS

Length.....19.9 ft
 Height.....5.75 ft
 Cockpit Height.....37 in
 Cockpit Width.....46 in
 Number of Seats.....2
 Number of Doors.....2

Empty Weight*540 lbs
 Gross Weight (non-LSA).....1650 lbs
 Gross Weight (LSA).....1300 lbs

Wing Span.....27 ft
 Wing Chord.....4.0 ft
 Wing Area.....108 sq ft
 Wing Loading.....6.1 lbs/sq ft
 Dihedral.....2.0 Deg
 Aspect Ratio.....6.75:1

Max Speed (Vne).....130 Kts
 Cruise Speed.....100 Kts
 Stall Speed (with Full Flaps).....36 Kts
 Rate of Climb*.....600 - 1200 ft/min
 Take-off Distance.....320 ft
 Landing Distance.....450 ft

Fuel Capacity.....24 gal
 Fuel Burn*.....3 - 5 gal/hr
 Endurance*.....5 - 8 hrs
 Range*.....570 miles

Load.....+4 g - 3 g

Total Width with Wings Folded.....7.75 ft
 Ailerons Area.....10 sq ft

* Dependent upon Power Plant

Key Features

- Folding Wings
- Conventional or Tricycle Gear
- Two Place Side-by-Side Seating
- Rugged Steel Frame "Safety Cage" Fuselage
- Three-Spar Wing with Webbed Main Spar
- Can be Equipped with Floats
- Easy to Build - Very Detailed Builder's Manual

Engine Options

- UL Power (UL350)
- Rotax (582, 912)
- Jabiru
- VW 2276
- D-Motor (LF-26)

The above are examples of engines powering Aeropups today. There are other compatible engines available.

Standard Equipment with all Kits

- 4130 Chromoly Steel Welded Fuselage with Integrated Vertical Stabilizer
- 4130 Chromoly Steel Welded Rudder
- 4130 Chromoly Steel Landing Gear with Shocks
- 4130 Chromoly Steel Welded "Gull Wing" Door Frames
- 4130 Chromoly Steel Welded Horizontal Stabilizer
- Adjustable Rudder Pedals
- Fiberglass Glass Seats
- Lexan Windshield and Side Windows
- Cabin Skylight (Lexan)
- Molded Fiberglass Two-Piece Engine Cowling
- Push - Pull Aluminum Elevator Control Tube
- Control Cables for Flaps and Ailerons
- Stainless Steel Horizontal Stabilizer Braces
- Three Spar Wing with Webbed Aluminum Main Spar
- Aluminum Leading Edge Skins
- Aluminum Flaps and Ailerons
- Aircraft-Grade Plywood Ribs and Rib Caps
- Molded Fiberglass Wing Tips and Wing Roots
- Aerodynamic Aluminum Wing Struts
- Pitot Static System
- 4130 Chromoly Steel Jury Struts
- Lap and Shoulder Belts
- Single Control Stick (Dual Control Sticks a Future Option)
- Roof-mounted Three Position Flap Handle
- Steerable Tail Wheel with Two Leaf Springs
- Aircraft Grade Plywood Floor Material

Builder Provided or Optional Items:

- Engine and Engine Accessories
- Avionics
- Covering Materials
- Interior Upholstery and Side Panels (If Desired)
- Paint and Corrosion Control Solutions
- A passion for building and Flying!
- Hardware (Bolts, Rivets, etc)
- Wheels and Brakes
- Fuel Tanks

Kit Options Available:

- Engine and Engine Accessories (Firewall Forward)
- Oratex Covering
- Covering Materials
- Interior Upholstery and Side Panels (If Desired)
- Paint and Corrosion Control Solutions
- Tool Kits for Construction
- Hydraulic Toe Brake Kit
- Avionics Packages

Contact Us Today:

Fielden Aero, LLC

AeropupUSA.com

Phone: 540-229-5528

Email: Dfielden@FieldenAero.com

Only Standard Home Shop Tools Required to Build



Simple and Fun to Fly



Folding Wings



Three Spar Wing - Ruggedized