SAM LS AVAILABLE IN KIT, QUICK BUILD AND READY TO FLY

www.sam-aircraft.com
info@sam-aircraft.com
1-514-445-6409
www.sam-aircraft.com
Expand your life,
Experience the SAM LS

The SAM LS is your light sport warbird trainer. It’s a perfect balance between retro style and scientific innovation.

Designed and built with proven metal construction, and a 4130 welded protection cage for the cabin, the SAM LS is extremely sturdy yet agile.

Fly Safe, Fly Fun
& Fly with Style

Climb in, take the controls, and prepare yourself for fun as you’ve never experienced it before.

Optimum safety and situational awareness with state of the art, Dynon 10” Skyview display with backup analog instruments.

Spacious, comfortable and ergonomic leather seat and armrest.

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Discover new sensations: 
Fly closed or open canopy

“I tried stalls, power on and off with no flaps and full flaps,… No matter what I did, I couldn’t get the SAM mad at me”

PLANE & PILOT

“The aircraft is a joy to taxi…The large canopy and high seating position provide excellent visibility during cruise, descent, approach, and landing…Pitch stability and control is excellent… the SAM LS has excellent stall characteristics…The SAM LS is a pleasant aircraft in the approach and landing phase”

KITPLANES

“The SAM LS is comfortable, rugged, easy to repair, fun, economical and has the distinctive classic look of a warbird trainer”

E.A.A. EXPERIMENTER

“Turns are crisp…very responsive…slips nicely…looks great on the ground …flies great in the air too”

A.O.P.A.

“It turns out that the wide, fat wings and big tail that are hallmarks of that design philosophy also contributed to SAM’s stable and docile habits and tendency to not spin”

CANADIAN AVIATOR

“Short tell: It may look like a miniature warbird, but flies with very solid and pleasant qualities”

ByDanJohnson.com
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty weight</td>
<td>830 lbs</td>
</tr>
<tr>
<td>Gross weight – LSA</td>
<td>1320 lbs</td>
</tr>
<tr>
<td>Gross weight – KIT</td>
<td>1450 lbs</td>
</tr>
<tr>
<td>Wing span</td>
<td>28.5 ft</td>
</tr>
<tr>
<td>Aircraft length</td>
<td>21.3 ft</td>
</tr>
<tr>
<td>Aircraft Height</td>
<td>8.3 ft</td>
</tr>
<tr>
<td>Fuel capacity</td>
<td>22 gal US</td>
</tr>
<tr>
<td>Range@ 5200 RPM</td>
<td>480 miles</td>
</tr>
</tbody>
</table>

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine: Rotax 912 ULS, 100 HP</td>
<td></td>
</tr>
<tr>
<td>VNE</td>
<td>155 mph</td>
</tr>
<tr>
<td>V max – 5500 RPM</td>
<td>125 mph</td>
</tr>
<tr>
<td>V economic – 5200 RPM</td>
<td>115 mph</td>
</tr>
<tr>
<td>Rate of climb</td>
<td>800 fpm</td>
</tr>
<tr>
<td>Stall clean</td>
<td>49 mph</td>
</tr>
<tr>
<td>Stall flaps</td>
<td>42 mph</td>
</tr>
<tr>
<td>Take off ground roll</td>
<td>350 ft</td>
</tr>
<tr>
<td>Landing distance</td>
<td>200 ft</td>
</tr>
</tbody>
</table>

**FEATURES**

- Comfortable for pilots up to 6’-6”
- Pilot flies in front, solo from front seat
- Adjustable ergonomic leather seats
- Dual controls
- Cabin width at shoulder: 26”
- Cabin Length, Height: 92” / 42”
- Number of seats: 2

**DO YOU PREFER YOUR SAM LS POLISHED OR PAINTED?**

- Electric flaps and trim
- 10” Dynon

**Contact**

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1-514-445-6409  
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Our kit comes with detailed instructions, blueprints and complete 3D edrawing

COMPLETE KIT INCLUDES
- CNC, pre-drilled and pre-bent parts, matched holes for easy assembly
- A 4130 completely welded protection cage
- Assembled & tested composite fuel tank with fuel senders
- All landing gear parts: legs, wheels, tubes & tires 500X5, Matco brake
- Flaps and trim electric motors
- Modular canopy: Fly open or closed (to be assembled by builder)
- Interior components, fabric seats and 3 point seat belt
- Designed for engines from 80 to 130 HP
- All needed materials, equipments and hardware
- All welds are done at the factory

QUICK BUILD WINGS INCLUDES
- Wings 75% completed
- Fuel tanks completed & installed - Ailerons & Flaps ready to install

QUICK BUILD FUSELAGE INCLUDES
- Fuselage 75% assembled
- 4130 protection cage welded & corrosion protected
- Fuselage and tailcone completed & assembled
- All skins & bulkheads installed except top forward skin

SUB-KITS AVAILABLE
- Empennage
- Outboard wings
- Center Wings
- Fuselage
- Finishing kit
- Rotax install kit

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