

Aerokits P/L Factory Built Savannah XL/S



Savannah S. Irresistible dripping wet in Red.

About Us:

My name is Reg Brost of Aerokits P/L and I am the Official Savannah Importer and Distributor for Australia and New Zealand.

I have personally built 10 Savannahs and assembled and test flown over 20 Factory Built aircraft.

Therefore I have a deep knowledge of the design, construction, assembly, and flying ability of these outstanding STOL aircraft. If Savannahs weren't the best handling, most versatile STOL aircraft available in their class, I simply wouldn't be involved with them.

When you purchase your Factory Built Savannah XL/S aircraft I will be very happy to share my knowledge and experience with you so that you can gain maximum satisfaction from owning and flying your Savannah.

ICP, the manufacturer of the Savannah, design and build the Savannah in Italy to ISO 9001 Quality Assurance Standards which guarantees the consistency of the materials and workmanship that go into the aircraft. See www.icp.it



Very visible Savannah XL with Condor Tyres.

Briefly:

- ICP have been building Savannahs for 14 years
- Have built over 1000 kits and over 200 factory built aircraft.
- All parts are manufactured in CNC machines so that if you ever need a spare part you are assured of a perfect fit of any replacement part.
- ICP was one of the first Light Aircraft Manufacturers to obtain ISO 9001 Certification.
- ICP has DOA (Design Organisation Approval) Certification under EASA Part 21.



ISO 9001

Reasons to buy a Savannah:

- Over 250 in Australia. So you have plenty of company and others to relate with.
- Shortest take off and landing compared with competitors in this class.
- Largest fuel capacity, (150L) is great for Australian distances.
- Lowest empty weight at 300Kg for standard aircraft with Long Range Tanks. Best in it class by 20Kg regardless of the long range tanks.
- The Savannah XL/S is a rugged STOL aircraft that can cruise at 90kts TAS at 75% power, but flies short final at 40Kts. Well over the 26Kt stall speed.
- Take off and landing distance as low as 40m at light weight in the hands of an experienced pilot.
- A very safe aircraft in that in an emergency you only need a small area to put the aircraft down and walk away from it, and you only need a bit larger area to use the aircraft again.
- Very well harmonised controls with equal light stick pressures between the pitch and roll, with instant response. Makes the Savannah a joy to fly accurately.
- All controls come easily to hand without any "crossing over" to activate flaps etc.
- All common spare parts kept in stock in Australia at very reasonable prices thanks to ICP's CNC manufacturing processes.
- Very good resale value on the XL/S models due to their wider and longer cabin compared with the older models.
- ICP are constantly innovating and improving what is already a very capable and "value for money" aircraft.
- Every one who owns a Savannah just loves them.
- **Aerokits holds over \$40000 worth of spare parts in stock ready for prompt despatch.**



Factory Built Features:

- All Aluminium ASTM Certified 6061 T6 construction. (No Fabric Here)
- State of the art Painting Booth for consistent quality painting.
- All AN hardware used in the construction as well as some Stainless Steel bolts in areas exposed to corrosion.
- Full harness seat belts
- All parts are cleaned then epoxy coated before assembly for maximum corrosion protection. All contact areas between parts riveted together have 2 coats of paint separating them as well as having primer under all rivet heads. Best in Class.
- The aircraft is Corrosion X treated and bagged before packing into the shipping container with heaps of Desiccant to keep your aircraft dry and salt free during shipping. Best in Class.
- MTOW 600Kg. Empty weight about 300Kg with long range tanks. Best in Class.
- Fuel capacity of 150L. Best in Class.
- Hi Lift wing profile for lowest Stall Speed (26Kts). Best in Class.
- 3 Blade DUC Carbon Fibre Prop with Stainless Steel Leading Edge. Best in Class.
- Toe operated individual Hydraulic Disc Brakes. Best in Class.
- Adjustable Seats (optionally available with Centre Stick only)
- Junkers 500 Parachute can be installed.
- Heater Demister and side window fresh air scoops.
- Single piece Aluminium Main Spring.
- Steerable nose wheel with bungee suspension.
- Vortex Generators for benign stall characteristics.
- Carburettor heat control
- Flaps and Ailerons combined into full span Junkers style Flaperons. But still with very light and responsive feel. Best in class.
- Predictable and positive low speed handling. Best in Class.
- Single Point fuel drain. Best in Class.
- Oil Thermostat for faster warm up.
- Oil Inspection Door in the top of the cowl.
- 12V Power outlet on the panel
- Landing Light under the left wing
- Electric Trim on the elevator.
- Large 20Kg Baggage area.
- Wide CG range will accommodate greatest possible rearward CG with ease. Best in Class.
- Easy access to the cabin with Large Doors that can be removed before flight.
- Ring Type engine mount for less Rotax Knock at start up and shut down.

- 100Hp Rotax 912 ULS or iS engine.



Standard Instruments:

- ASI, Altimeter, VSI, Tacho with Hour meter, Compass, Skid Ball, Fuel Pressure, Oil Temp, Oil Pressure, 2off water temp, Volts, Airbox and OAT, Charging Lamp.



Popular Options:

- 15x600x6.00 6ply Condor tyres.
- X-Com VHF Radio with built in intercom and Comant 121 TSO'd antenna.
- GME UHF Radio interfaced to the VHF.
- Twin sticks with Electric Flaps
- Electric Flaps
- Two colour paint
- Trig Mode S Transponder
- Tall Rudder
- Park Brake

Specification Tables:

SPECIFICATIONS; Savannah S/XL from <i>AeroKits... Ph. 0418157044</i>		
	Rotax 912 UL 80 HP	Rotax 912 ULS 100 HP
Material	6061-T6 aluminum	
Seating	2, side-by-side	
Wing type	high with 2 struts	
Wing span	8980mm	
Wing chord	1320mm	
Wing area	11.90m ²	
Aspect ratio	6.3:1	
Wing loading	45.7Kg/M ²	
Flaps	0 - 20 - 40	
Landing gear	fixed, tricycle	
Wheel track	1700mm	
Length	6500mm	
Height	2580mm	
Cabin width	1165mm	
Gross weight (MTOW)	600Kg	
Power ratio	5.47Kg – 5.05Kg./hp	
Forward C of G limit	25% MAC	
Rear C of G limit	38.5% MAC	
Limit load factor (At 544Kg)	+6/-3g (+4/-2g)	
Number of kits sold	800+	
Empty weight - Kgs *	285	300 with aux Tanks
Useful load - Kgs.	315	300
Fuel capacity - Litres. Plus 6L reserve tank.	72	72 (144)
Payload with max. fuel – Kgs **	263	190

* Empty weight is for a Savannah completed and flown with only standard equipment as indicated in "Kit Contents". Empty weight will increase when adding optional accessories and paint.

** A luxuriously-equipped, factory-built, ready-to-fly Savannah including a Rotax 912ULS (100hp) engine, aux tanks, painted with one coat of primer and 2 coats of solid polyurethane enamel, with radio, intercom, GPS, trim indicator, single stick, and incorporating all standard equipment and fluid levels, typically weighs 305Kg. Add full fuel of 150L (110Kg.) for a ramp weight of 415Kg. This leaves a payload of 185Kg. for pilot, passenger and baggage.

PERFORMANCE; Savannah XL/S from *AeroKits...*

Ph. 0418157044

	Rotax 912 UL 80 HP	Rotax 912 ULS 100 HP
Stall speed full flaps (Vso) - Kts	26	26
Approach speed (Vref) - Kts	40	40
Manoeuvring speed (Va) - Kts	74	74
Cruise speed - Kts TAS (standard tires)	85	90
Max speed - Kts TAS (standard tires)	90	95
Never exceed speed (Vne) - Kts	120	120
Take off run at 454Kg. - M	55	35
Landing roll at 454 Kg. - M.	40	
Climb rate- ft/min at 450Kg	700	1100
Best rate of climb speed - Kts	46	49
Best angle of climb speed - Kts	42	45
Glide ratio at 54Kts	11:1	
Fuel consumption at 75% power – L/Hr	16.2	18.5
Range (max endurance) – NM with aux Tanks	768	720

Performance figures are typical for a standard Savannah and are general in nature