

Savannah™ S

Round is cool !!!



I.C.P. Srl

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The **Savannah™** has been object of a continuous developing process that, during the years, have produced remarkable improvements, both concerning the speed and safety performances, and the aesthetic look. This new evolution has produced a completely new design aircraft that has been renamed **Savannah™ S**.



The **Savannah™ S** is I.C.P.'s 2010 innovation. It was born from the wish to make the **Savannah™** more refined and elegant and complete the aesthetical improvement process already started last year with the **Savannah™ XL**, whose front part fuselage was completely modified. This year we have paid attention to the back side of the aircraft.

We have left the wings unchanged, because they have always proved to be the key force of the **Savannah™**, above all in VG (vortex generators) version, thanks to the combination of the wide wing surface with the high lift profile.

The object of restyling 2010 has been the tail trunk; we have removed the corners, so the typical squared shape has been replaced by a sinuous bending that gives harmony and completeness to the whole aircraft, without taking away the well known features of solidity and safety.



Optional Instruments panel

The **Savannah™ S** can be customized depending on the pilot's needs, thanks to the wide range of available options. The instruments panel, wider and more spacious, can contain the more recent technological innovations.

Performances

Rotax engine 912 S	100	Hp
Maximum speed	198	Km/h
Speed at 75%	179	Km/h
VNE	220	Km/h
Rate of climb (90 Km/h)	1200	ft/min
Maximum ceiling	4000	Meters
Stalling speed with no flaps	57	Km/h
Stalling speed with flaps	49	Km/h
Efficiency	1/11	
Takeoff run	55	Meters
Landing run	70	Meters
Consumption at 75%	18.5	l/h
Operating range	4h	(approx)

Specifications

Wing span	9.00	Meters
Wing area	12.87	Mq
Height	2.58	Meters
Length	6.60	Meters
Cabin width	1.13	Meters
Empty weight	286	Kg
MTOW	560	Kg
Load factor with ultimate tensile strength	+6 / -3	g
Flaps Control	manual/electrical (opt)	
Luggage capacity	20	Kg
Max tanks capacity	2x36	Liters
Reserve tank capacity	6	Liters

WITHOUT VORTEX GENERATOR



- SMOOTH AIRFLOW

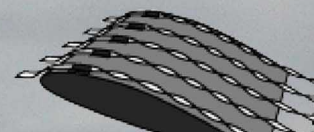
WITH VORTEX GENERATOR



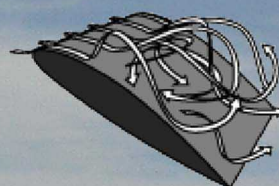
- VORTEX AIRFLOW
- NO REDUCTION IN CRUISE SPEED



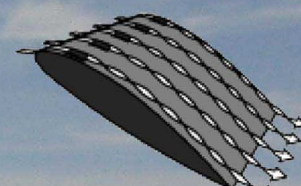
- BOUNDARY LAYER SEPARATION



- BOUNDARY LAYER ATTACHED



- UNCONTROLLED TURBOLENCE



- CONTROLLED VORTICES



The new Savannah™ S joins inside all the previous versions' improvement:

- The wings with vortex generators, that imply a cruise speed increase up to 180 Km/h, without compromising the very low stalling speed.
- The cockpit wider dimensions, able to lodge comfortably also the taller pilots
- The adjustable rudder pedals, standard or advanced position of 10 cm
- The panoramic view thanks to the canopy and the doors fully transparent
- Aerodynamic profiling improved thanks to the streamlined engine cowling and to the major slope of the windscreen
- Wider and higher positioned instruments panel, to leave more space to the knees.



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