The SkyRanger Vmax 2 is the latest version of where it all started. With the largest wing of the two models it is capable of flying on the least horsepower, so is the best choice for the smaller engine options. Having a low wing loading it has the best STOL performance too when flying with equal horsepower, and a slightly lower stalling speed.

The SkyRanger Classic is also the lowest cost SkyRanger model offering outstanding value for money. It can be customized later, with the addition of a large range of retrofit options.

**SKYRANGER SWIFT 2**

The SkyRanger Swift is a development from the best selling SkyRanger. Featuring a smaller wing, the Swift benefits from higher cruise speeds and a more comfortable ride in turbulence thanks to the increased wing loading.

With a combination of shorter wingspan, and greater torsional strength, the smaller ailerons result in reduced roll loads and increased roll rate, especially noticeable at high cruise speeds over 160km/h. Powerful control response right down to stall speed, makes for easy control, and superb crosswind capability.

The SkyRanger Swift always did have the highest payload in class, and with the Swift gaining 3Kg from the smaller wing this is increased further. Basic spec aircraft can be built under 250Kg. The owner can then decide whether to benefit from increased payload, or add a full range of extras and avionics, without having to worry about exceeding the maximum weight limit.

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>SKYRANGER Model</th>
<th>Vmax 2</th>
<th>SWIFT 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SKYRANGER POWERPLANT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>Rotax 912</td>
<td>Rotax 912s</td>
</tr>
<tr>
<td>Power</td>
<td>80hp</td>
<td>100hp</td>
</tr>
<tr>
<td><strong>SKYRANGER DIMENSIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wing span</td>
<td>9,5m</td>
<td>8,5m</td>
</tr>
<tr>
<td>Max Chord</td>
<td>1,7m</td>
<td>1,7m</td>
</tr>
<tr>
<td>Wing Area</td>
<td>14,1m²</td>
<td>12,8m²</td>
</tr>
<tr>
<td>Lenght Overall</td>
<td>5,5m</td>
<td>5,5m</td>
</tr>
<tr>
<td>Fuselage Width</td>
<td>1,09m</td>
<td>1,09m</td>
</tr>
<tr>
<td>Tail Span</td>
<td>2,42m</td>
<td>2,42m</td>
</tr>
<tr>
<td>Height Overall</td>
<td>2,4m</td>
<td>2,4m</td>
</tr>
<tr>
<td><strong>SKYRANGER NYNJA DESIGN WEIGHTS AND CAPABILITIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximal Weight without extension</td>
<td>450kg</td>
<td>472kg</td>
</tr>
<tr>
<td>Maximal Weight with extension</td>
<td>540kg</td>
<td></td>
</tr>
<tr>
<td>Empty Weight Min</td>
<td>262kg</td>
<td>262kg</td>
</tr>
<tr>
<td>Empty Weight Max without extension</td>
<td>284kg</td>
<td>284kg</td>
</tr>
<tr>
<td>Empty Weight Max with extension</td>
<td>306kg</td>
<td>306kg</td>
</tr>
<tr>
<td>Limit Loads</td>
<td>+4G / -2G</td>
<td></td>
</tr>
<tr>
<td><strong>SKYRANGER PERFORMANCES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Velocity Never Exceed VNE</td>
<td>200km/h</td>
<td>210km/h</td>
</tr>
<tr>
<td>Max Level Speed</td>
<td>160km/h</td>
<td>185km/h</td>
</tr>
<tr>
<td>Cruise Speed</td>
<td>130km/h</td>
<td>145km/h</td>
</tr>
<tr>
<td>VS0 with 25° flaps without extension</td>
<td>62km/h</td>
<td>62km/h</td>
</tr>
<tr>
<td>VS0 with 25° flaps with extension</td>
<td>64km/h</td>
<td>64km/h</td>
</tr>
<tr>
<td>TakeOff Distance at 450kg</td>
<td>170m</td>
<td>160m</td>
</tr>
<tr>
<td>TakeOff and 15m</td>
<td>320m</td>
<td>300m</td>
</tr>
<tr>
<td>Rate of Climb</td>
<td>4m/s</td>
<td>5m/s</td>
</tr>
<tr>
<td>Range at Cruise Speed</td>
<td>650km</td>
<td>730km</td>
</tr>
<tr>
<td>Consumption</td>
<td>13l/h</td>
<td>15l/h</td>
</tr>
</tbody>
</table>

*All data are indicative and can vary depending on options, settings, engine speeds*
BEST OFF INNOVATIVE TECHNOLOGY

- The incredible simple design which makes the characteristic and the originality of the SKYRANGER reach a single and exceptional level for such exceptional performances for Two-Seater UL airplane.
- This genius and unique design makes the assembly, use and maintenance to a very high level of simplicity.
- This technology is so original, and become a reference.
- And also most important is high security level due to its simplicity.

CONSTRUCTION

- The fuselage design is patented, and construction features are:
  - Pin jointed tubular construction.
  - No welded tubes.
  - Only straight tubes are used (with the obvious exception of wing ribs!).
  - Main structure is of aircraft grade 2024 aluminium tubing. Other parts are made from Steel, and Stainless steel.
- The undercarriage is particularly strong: the SkyRanger being designed for “off the beaten track” operation.
- Covering is made with pre made sewn fabric envelopes, which quickly slide into position and tension.
- Glassfibre panels are used for cowlings. These are supplied finished in white, and also require no painting.

THE KIT

The SkyRanger is sold in fast build kit format. The kit ships in six main box:

- **Main airframe components:**
  - Box 1 - 430 x 32 x 32 cm (95kg)
  - Box 2 - 270 x 32 x 32 cm (35kg)

- **Wheels and brakes:**
  - Box 4 - 40 x 40 x 40cm (12kg)

- **Cowlings and tanks:**
  - Box 5 - 100 x 70 x 60cm (15 kg)

- **Pre assembled tail and control surfaces, ailerons, flaps and other coverings:**
  - Box 3 - 240 x 20 x 74 cm (30kg)

- **Lexan (for glazing):**
  - Box 6 - 130 x 40 x 40cm (12kg)

- **Ease of build:** only simple ‘handy man’ skills required to complete
- **Long term structural fatigue resistance**
- **Low cost of individual components, and complete kits**
- **Easy and simple to inspect**
- **All building is simple fun and educational**
- **Simple maintenance**
- **Ease of repair**
- **Excellent strength to weight ratio**
- **It will result in you knowing all the aircraft and having great confidence in the structure and your ability to look after the machine in the years ahead and carry out maintenance tasks**
- **Low shipping volume, and low carriage costs for kit and parts**
OPTIONS

• Engine options
  ✓ Rotax 582 65CV (only available on Skyranger Vmax and Vfun)
  ✓ Jabiru 2200 85CV (Only available on Skyranger Vmax and Vfun)
  ✓ Rotax 912 80CV (all models)
  ✓ Rotax 912S 100CV (all models)

• Cloth covering Options
  ✓ White Dacron cloth (to be painted)
  ✓ DACRON colored cloth (to be painted with clear)
  ✓ XLAM cloth (UV resistant, not necessary to paint)
  ✓ DACRON thermo-Reptratables Diatex, Polyfiber or another (possible).

• Wheel spats :
The Skyranger wheel spat option includes glassfiber wheel spats for all three wheels and all associated brackets and hardware to fit them. Like all the glassfiber on the Skyranger they are supplied in white gel coat finish, but may be painted any color as desired during your build.

• Tinted screen
This is useful to minimize the suns glare. It has the added advantage of making the aircraft aesthetically more appealing.

• Wingtip fairings
These consist of glassfibre mouldings that neaten the end of the wing. The new swift 2 wing tips improve the high speed but also low speed performance.

• Parachute recovery system
Main parachute brands have a model for SkyRanger, easy to install, for best security flights.

• Two piece door (1-piece as standard)
The advantage of the two piece doors is that the top sections can be left open in operation either on the ground or in the air. This is very nice to let fresh air in when taxying on warm days, and allows for unobstructed aerial photography, or just that “flying with the wind in your face “experience.

• Bush Wheel Option111
The optional BUSH wheel on the main landing gear is recommended for use on unpaved strips, grass, mountains, raids...
The wheel bush on the nose is not necessary because the weight is minimal on this GEAR plus the induced drag on the nose wheel equipped with bush is very important.

• Seaplane Option
The floats of different manufacturers can be installed on our machines for occasional use or professional, we will give you details on request

CLICK HERE TO DOWNLOAD THE SKYRANGER PRICE LIST

info@bestoffaircraft.com
www.bestoffaircraft.com