

TESTS : 3-BLADES DURANDAL 100 M dia 180

On ULTRALIGHT SKYRANGER 912S

In 2016, the model 3-blades DURANDAL 100 M has been designed in diameters 175 and 180 cm.

Tests results :

- made on Friday 20 and Saturday 21 of May, 2016
- Sisteron airfield, altitude 535 m, 07:00, calm air, 14°C
- Skyranger 912S (100 hp), 20 liters fuel
- take-off : **30 m** (on grass)
- 5600 RPM at take-off
- rate of climb : **1.500 ft/min** (7,6 m/sec) @ 100 km/h speed and 5.450 RPM
- no vibrations
- full throttle RPM : **5400 RPM** only 200 RPM minus than on ground (ESR effect)
- full throttle speed : **180 km/h**
- fuel consumption : **10,2 l/h**
- weight of the propeller : **2,6 kg**

This propeller is finely adapted for ultralights and aircraft with Rotax 912S and 914, cruise speed between 150 and 210 km/h.

The DURANDAL 100 range proposes now **5 blades geometries** for Rotax 912 S et 914 engines, in order to have propellers exactly adapted to aircraft, engines and uses.



Skyranger E-PROPS 912S equipped with DURANDAL 100-M 180 cm