



# Elixir Aircraft

The 4<sup>th</sup> generation Part 23 aircraft



GARMIN

ROTAX



Contact us for leasing options.

# The superior training aircraft.





## Safety in all conditions



FAR-23  
pending

### Highest level of certification

EASA CS-23 certified and FAA FAR-23 pending.

### Spin Resistant

ASTM 3180

To limit loss of control, it's always better not to enter a spin than to recover from one. In 2018, 22% of accidents occur as a result of a loss of control.\*

### Airframe Parachute

Essential safety in emergency situations. 14% of accidents were due to engine failure or malfunction, and 1% were due to a collision or near collision.\*

### Crash-worthy fuel tank

Reducing the risk of fire following a crash. 6% of accidents occur as a result of a post impact fire.\*

### Double-slotted electric flaps

Reduction of ground effect. 20% of accidents are related to abnormal contact with the ground.

*\*Source : Air Safety from DSAC (French CAA) - 2018*



## Smaller environmental footprint

### Modern engine

Nearly 70% less CO2 emissions thanks to reduced fuel consumption and the use of unleaded gasoline.

*\* Compared to the consumption of single-engine piston engines worldwide*

### OneShot airframe

Reduced weight due to carbon fiber and simplified design, less power required.

### Drag reduction

More aerodynamic surface designed on CATIA and made possible thanks to OneShot carbon.

### Lower noise

3-blade propeller with a reduced diameter and an optimised exhaust pipe.



## Unrivalled cost-efficiency

### Low fuel consumption

2.3 US GPH • 9 L/h circuit pattern\*

3.9 US GPH • 15 L/h cruise\*

### OneShot carbon airframe

Fewer parts, lower maintenance costs. No maintenance for decay or corrosion.

### Maintenance by design

Thanks to large access hatches.

### Calorstat

Reduction of warm up time and maintain constant temperatures. Protection of the engine against thermal shocks.

### Use of unleaded fuel

Significant savings compared to the 100LL, no lead pollution, no 50h visit.

*\*Source : Info-pilote (French Aircraft Federation magazine) - 2022*



## Unmatched versatility

### One aircraft for all your missions

Initial training at 100kts, economical cruise at 125kts, high rate of climb: 950 to 1,300 ft/min.

### Vertical AND horizontal seat adjustment, electric horizontal rudder adjustment

Ideal to accommodate all sizes, up to 6.72ft • 2,05 m.

### Convenient luggage compartment

Easy to access, located behind the seats, up to 55.11lbs • 25 kg.

### Garmin® Full Glass Cockpit

Streamlined dashboard for improved ergonomics : workload reduction and quicker visual circuit.

(Dual Garmin® G3X Touch 10.6', Garmin® GTN 750NXi, Garmin® G5, Garmin® GNC 355, Garmin® GMC 507)



## Performance\*

	100hp	140hp**
<b>Rotax</b>	912iS	915iS Turbo
<b>Climbrate</b>	950-1300ft/min	1400-2000 ft/min
<b>Load Factor</b>	+4/-2 G	+4/-2 G
<b>Wingspan</b>	27.82 ft • 8,48 m	29.33 ft • 8,94 m
<b>Length</b>	19.88 ft • 6,06 m	19.88 ft • 6,06 m
<b>Height</b>	6.23 ft • 1,90 m	6.23 ft • 1,90 m
<b>MTOW**</b>	1389lb • 630 kg	NA

### Cruise at 10 000ft

<b>85% power</b>	125 kts	3.9 US GPH 15 L/h	610 NM	158 kts	9.5 US GPH 36 L/h	473 NM
<b>75% power</b>	122 kts	3.3 US GPH 12,5 L/h	793 NM	150 kts	7.1 US GPH 27 L/h	578 NM
<b>50% power</b>	110 kts	2.9 US GPH 11L/h	809 NM	130 kts	4.7 US GPH 18 L/h	711 NM

### Stall speed

<b>Flaps UP</b>	59 kias	NA
<b>Flaps FULL</b>	46 kias	NA

\*Data given as an indication, subject to change without notice. / \*\*Certification on-going



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