



# 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



**Highest level of certification**  
EASA CS-23, FAA FAR-23 and CAA certified.

**Improved handling characteristics**  
ASTM3180  
To limit loss of control, it's always better not to enter a spin than to recover from one.

**Angle of attack indicator**  
Live visualization of your incidence until the stall. Better awareness of your flight situation.

**Airframe Parachute**  
Essential safety in emergency situations ensuring peace of mind for pilots, students, and passengers alike.

**Double-slotted electric flaps**  
Controlled deployment for safer handling and reduced ground effect.

**Effective ailerons even after stall**  
High maneuverability and strong crosswind resistance.

**Oleo pneumatic landing gear and Beringer brakes**  
Wide track and low center of gravity for stable, bounce-free landings.  
Durable, lightweight, and low-maintenance.

**Crash-worthy fuel tank**  
Anti-return valves and safety foam reducing the risk of fire following a crash.



## Unmatched versatility

**One aircraft for all your missions**  
Initial training at 100kts, economical cruise at 122kts, high rate of climb: 850 to 1,300 ft/min.

**Full glass cockpit**  
Streamlined dashboard for improved ergonomics: workload reduction and quicker visual circuit.  
Dual Garmin G3X Touch 10.6', Garmin GTN 750NXi, Garmin GI 275, Garmin GNC355, Garmin GMC507.

**Seat & rudder pedals adjustment**  
Ideal to accommodate all sizes, up to 6.72ft • 2,05 m.

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

**Start Assist**  
Automated start sequence, start the Elixir like a car.

**3 blade propeller**  
Hydraulic variable pitch with single lever control to reduce workload.

**Single fuel tank**  
No fuel selector, simplified fuel management and minimal influence on the center of gravity.

**Cabin ergonomics**  
Integrated tablet docks, glove boxes, 4 USB outlets.



## Unrivalled cost-efficiency

**Low fuel consumption**  
15 L/h • 4 US GPH – navigation and circuits,  
16 L/h • 4.2 US GPH – cruise\*

**Maintenance by design**  
Large access hatch to reduce maintenance operations.

**Calorstat**  
Reduction of warm up time and maintain constant temperatures.  
Engine protection against thermal shocks.

**Use of unleaded fuel**  
Significant savings compared to the 100LL, no lead pollution, no 50h visit.

**Low operation cost**  
Estimated at 50€/h • \$60/h\*\* for fuel and maintenance for 500h/year

*\*Source : Info-pilote (French Aircraft Federation magazine) - 2022  
\*\*Conversion are done at the time of printing. Data given as an indication, subject to change without notice.*



## Smaller environmental footprint

**Modern engine**  
Up to 70% less CO<sub>2</sub> emissions thanks to reduced fuel consumption and the use of unleaded gasoline.

**Drag reduction**  
More aerodynamic surface designed on CATIA and made possible thanks to the Carbon OneShot technology.

**Lower noise**  
3 blade propeller with a reduced diameter and an optimized exhaust pipe.

**Like these features?  
They all come standard on our aircraft,  
no extra options needed.**



## technology

### Savings

Infinite airframe  
Oversized carbon parts have no lifespan. Your aircraft retains its value over time!

### Maintaining

Less than 1000 parts. Fewer parts mean fewer failures, lower maintenance costs, and reduced downtime. Maintain less, fly more!

### Safety

No traditional rivets or screws means fewer weak points. OneShot enhances durability, reliability, and overall safety for students and instructors.

### Greener aviation

A lighter, more aerodynamically efficient aircraft means lower fuel consumption, reducing emissions and operational costs.

## Performance\*

	<b>100hp</b>
<b>Rotax</b>	912iS
<b>Climb rate MTOW in ISA</b>	897ft /min ISA
<b>Load Factor</b>	+4/-2 G
<b>Wingspan</b>	29.33 ft • 8,94 m
<b>Length</b>	19.88 ft • 6,06 m
<b>Height</b>	6.23 ft • 1,90 m
<b>MTOW**</b>	1543lb • 700 kg

### Cruise at 10 000ft

<b>85% power</b>	122 kts	4.2 US GPH 16 L/h	762 NM
<b>75% power</b>	119 kts	4 US GPH 15 L/h	785 NM
<b>50% power</b>	107 kts	3.4 US GPH 13 L/h	824 NM

### Stall speed

<b>Flaps UP</b>	60 kias
<b>Flaps FULL</b>	47 kias

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