

FK14Polaris



FK AIRCRAFT

FK14 Polaris

The FK14 Polaris is a high performance cruiser, allowing *the pilot a comfortable but superior flying experience.*

In addition to its modern design, the Polaris is outstanding not only because of its unique panoramic view, but also by its low fuel consumption.

Proven in many competitions and air races - the Polaris is able to beat most of its competitors - no matter if tuned by variable pitch props or retractable landing gears!

A large one-piece hood opens the cabin easily with the help of gas springs, and permits easy boarding.

The canopy is made from a special UV protection plexi and provides a 360° panoramic view. Ergonomic and adjustable bucket seats are shaped for long journeys and comfort. The cockpit is designed for a maximum of space and can accommodate very tall pilots.

A modern, electric fowler flap system allows to extend wing surface for short takeoffs and landings up to 20%.

This makes cruising speeds of up to 250 km/h possible as well as take offs from shorter runways.

Vortex generators at the wingtips do improve control efficiency at low speeds.

COCKPIT

- Hydraulic disc brake 6" mainwheel-system with park-lock
- Adjustable carbon fiber seats with two-colour upholstery in cotton or leather
- Adjustable cockpit ventilation for both pilot and passenger
- Additional cabin ventilation with 2 individual air vents in front console
- Large baggage compartment, soft pockets in both sides of cockpit and additional luggage compartments in cockpit floor

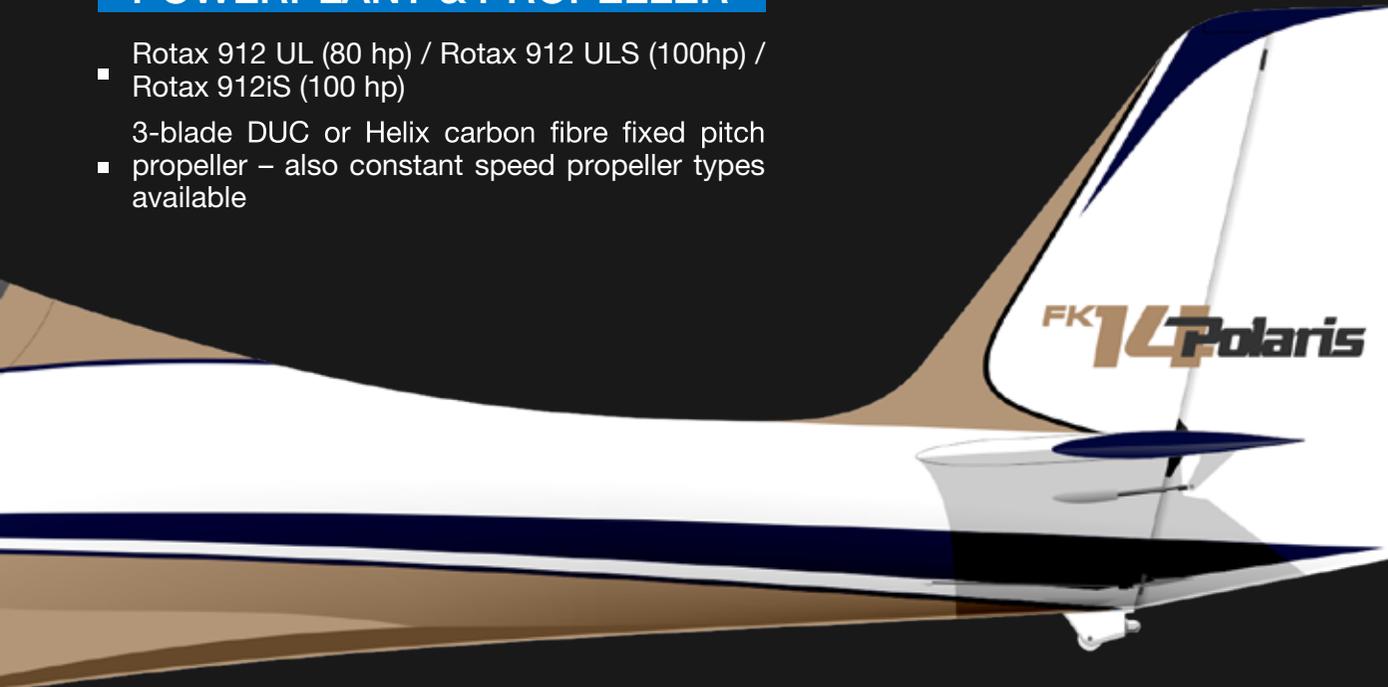


SYSTEMS

- Electric fuel booster pump and pressure warning
- Electrical operated fowler flaps with position indicator system
- Electric fuel level indicators for each wingtank

POWERPLANT & PROPELLER

- Rotax 912 UL (80 hp) / Rotax 912 ULS (100hp) / Rotax 912iS (100 hp)
- 3-blade DUC or Helix carbon fibre fixed pitch propeller – also constant speed propeller types available



PANELS

- Air speed indicator
- Altimeter (5000 ft)
- Compass
- Slip Indicator
- Oil pressure and oil temperature
- CHT
- RPM indicator gauge



TECHNICAL SPECIFICATION

DIMENSIONS

Wing span	8,5 m
Length	5,9 m
Height	2,1 m (tri-gear version)

WEIGHTS

Empty weight in base configuration	298 - 330 kg
Max. take off weight. (depending on regulation)	472 - 600 kg

PERFORMANCE

Vne	290 km/h
Vstall	64 - 74 km/h
Cruise (75%)	235 km/h - 243 km/h
Best climb / at	1100 - 1500 ft/min

FUEL

Total capacity	78 - 96 ltr
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AIRFRAME

- Full composite airframe with a composite monocoque fuselage type
- Electric elevator trim
- Integrated tie-down attachments in wingtips
- Canopy keylock system
- Blue coloured canopy with special UV protection
- Wing fast-dislocking-mechanism for quick wing detachment
- Large wing fuel tank system (78-96 ltr) including drain valves basic
- Standard paintscheme white including 2 color decoration set

MANY OPTIONS AVAILABLE



Available in tri-gear or taildragger configuration. Or in the unique roadster version "Le Mans".



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