

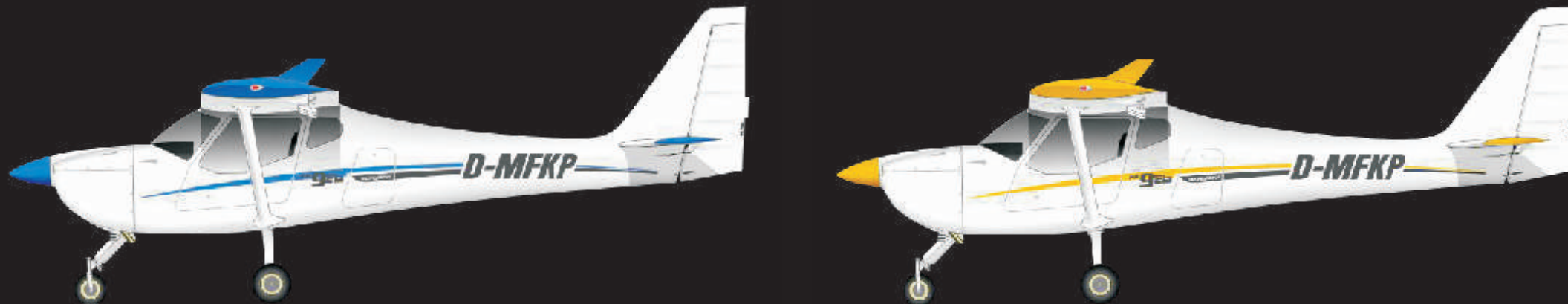


FK **930a**

**FK** LIGHTPLANES

# FK 9Ela PROFESSIONAL

The Professional model is a practical and versatile high-wing cruiser, ideal for flight schools & clubs who require the superior flying experience.



# FK 9Ela EXECUTIVE

The Executive model offers a unique and stylish look, along with a comfortable and luxurious interior, an ultimate experience for the private pilot.



## Standard Equipment

### Airframe

- > composite metal mix structure, with a full carbon wing type
- > oil inspection door integrated in engine cowl
- > 60ltr fuselage fuel tank with electric level indicator and drain vent
- > luggage compartment with external access door
- > additional aerodynamic fairing set for wingstrut nose and intersections
- > formed plexi-front canopy
- > cabin door lock
- > basic colouration white including "Professional" decoration set

### Powerplant & Propeller

- > Rotax 912 ULS (80 hp)
- > 3-blade DUC carbon fibre CS fixed pitch propeller
- > standard steel exhaust

### Cockpit

- > movable seatbacks in position and angle
- > side airvents in both cockpit doors
- > additional pockets on both cockpit sidewalls
- > additional cabin ventilation with 2 individual air vents in front console
- > windshield protection covering
- > two colour upholstery

### Systems

- > hydraulic disc brake 6" mainwheel system with parklock
- > electrical operated flaps
- > electrical flap position indicator
- > electric fuel booster pump and fuel pressure warning
- > mechanical elevator trim

### Panel

- > air speed indicator
- > altimeter (10000ft)
- > compass
- > slip Indicator
- > oil pressure and oil temp
- > CHT
- > Hobbs Meter
- > RPM indicator gauge



## Standard Equipment

### Airframe

- > composite metal mix structure with full carbon-wing type
- > oil inspection door integrated in engine cowl
- > 60ltr fuselage fuel tank with electric level indicator and drain vent
- > luggage compartment with external access door
- > additional aerodynamic fairing set for wingstrut nose and intersections
- > formed plexi-front canopy
- > cabin door lock
- > wheel fairing set
- > three colour paint scheme and deco-set type

### Powerplant & Propeller

- > Rotax 912 ULS (100 hp) includes the reduction gear clutch, big size starter
- > 3-blade DUC carbon fibre CS fixed pitch propeller
- > Stainless steel exhaust system

### Cockpit

- > movable seatbacks, in position and angle
- > side air vents in both cockpit doors
- > additional pockets on both cockpit sidewalls
- > additional cabin ventilation with 2 individual air vents in front console
- > windshield protection covering
- > floor covering set
- > cabin heat system
- > three colour comfort interior including *Nappa* leather

### Systems

- > hydraulic disc brake 6" mainwheel system with parklock
- > electrical operated flaps
- > electrical flap position indicator
- > electrical fuel booster pump and fuel pressure warning
- > mechanical elevator trim
- > position strobe light system in wingtips
- > landing light including installation

### Panel

- > air speed indicator
- > altimeter (10000ft)
- > compass
- > slip Indicator
- > oil pressure and oil temperature
- > CHT
- > Hobbs Meter
- > RPM indicator gauge



# Technical Specification

| Dimensions  |  |
|---|--|
| Wing span   | 9,330 m (incl. winglets)                   |
| Length  | 6,215 m                                    |
| Height  | 2,410 m (tri-gear version)                 |
| Weights   |  |
| Empty weight in base configuration (without BRS)  |  |
| 275.4 kg "TG" 273.4 kg "Classic" (Prof)<br>289.7 kg "TG" 287.7 kg "Classic" (Exec)  |  |
| Demonstrated ultimate loads   | +6,1 g / -3 g (540kg)                      |
| Max. demonstrated take off weight.<br>(Certified MTOW according<br>regulations relating specific state of<br>immatriculation Performance @ 475.5kg) | 580 kg                                     |
| Performance   |  |
| Demonstrated Vne  | 230 km/h                                   |
| Demonstrated Vstall   | 64 km/h                                    |
| Cruise (75%)  | 194 km/h (Prof) / 201 km/h (Exec)          |
| Best climb / at   | 1000 (Prof) / 1500 (Exec) ft/min @ 95 km/h |
| Take off run over 15 m obstacle   | 220 m (Pro) / 175 m (Exec)                 |
| Fuel  |  |
| Total capacity  | 60 ltr                                     |
| Usable fuel   | 59 ltr                                     |

# Sales



# Description

The FK9 has a composite fuselage with an integrated tubular steel cage in the cockpit area, which is extremely resilient and durable, and offers the crew far more protection.

The FK9 offers winglets that lowers fuel consumption while helping to improve stall speed handling - a major point to meet the US LSA requirements when flying with the increased MTOW for the FK9.

Full carbon flaps actuated by a switch in the center console allowing for fast and easy operation, as well as a modified engine cowl which reduced drag while improving cooling efficiency.

The other major advantage is that we offer a wing folding mechanism as an option, allowing you to store your FK9 in a hangar or trailer.

With its wide doors, ergonomic formed seats and large baggage compartment, the FK9 is designed to compete with most modern high wing composite aircraft. You can order your FK9 in a Tri-Gear or Taildragger configuration.

# Panels



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