

FK12Comet



FK AIRCRAFT

FK12Comet

The only Light Sport Biplane in serial production in the world, handcrafted for pure flying pleasure.

In addition to its modern design, the Comet is outstanding due to many facts, one being that it is the fastest biplane in the world regarding to the speed / power ratio.

Another unique feature for a biplane is the possibility to fold back the wings within minutes and tow the plane home for storage.

The cockpit of the Comet can be converted into many different configurations, such as:

- both seats open cockpit,
- both seat closed cockpit "Double Canopy"
- single rear "Race Canopy" with front cockpit covered.

There is simple access to both seats as the cockpit fairing can be opened as one complete unit.

The Comet offers two compartments for your travel gear.

A modern, full flaperon system gives the Comet its high agility, while offering a good low speed handling characteristic, which allows a safe landing even for the average skilled pilot with some taildragger experience.

The Comet is definitely the FK design which has been stressed to the highest level during load tests and flight analysis.

The wing load tests for example had been driven far beyond the required test limits up to +16/-8 gs (@450kg Aerobatic MTOW), beside all other tests to meet the basic acrobatic FAR23 load requirements.

The crew is protected by an inert gas welded steel frame cockpit, which is very robust and easy to repair.

Remark: When registered as ultralight aircraft in some European countries, acrobatic maneuvers can be prohibited even if the aircraft itself is designed and build for it.

COCKPIT

- Comfort interior cotton style or leather
- Floor covering set



SYSTEMS

- Hydraulic disc brake system
- Diffuser style cooling system
- Mechanical elevator trim
- Streamlined wing wires with end fairings
- Elevator fuselage intersection fairing set
- Optional cabin heat system
- Stall warning indicator

POWERPLANT & PROPELLER

- Rotax 912 ULS (100hp) or UL POWER 350iS (130hp)
- 3-blade Carbon or two blade wood, fix pitch or constant speed



PANELS

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



TECHNICAL SPECIFICATION

DIMENSIONS

Wing span	6,4
Length	5,9 m
Height	2,00 m

WEIGHTS

Empty weight in base configuration	290 - 330 kg
Demonstrated ultimate loads	+14 g / -7 g (@450 Kg)
Max. take off weight.	540 kg

PERFORMANCE

Vne	253 km/h
Vstall	65 - 75 km/h
Cruise (75%)	185 km/h
Best climb / at	4,5 - 7,0 m/s

FUEL

Total capacity	58 ltr
Optional add wingtanks	2 x 18 ltr

AIRFRAME

- Airframe with open cockpits
- New flaperon type for increased roll rate
- Wheel fairings
- 58 ltr PE fuselage tank including drain valve
- Wing folding mechanism including external wing locking mechanism
- Elevator fuselage intersection fairing set
- Profiled elevator struts set
- Tailplane with additional acrobatic wirings (removable)
- 3 different and exchangeable canopy versions available
- Different paint scheme and decoration sets are available

MANY OPTIONS AVAILABLE



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