

“Mini-Cargo” aircraft Qualities

The originality of the “Mini-Cargo” aircraft design makes it possible to elucidate the remarkable and single points in this FAR/CS-23 aircraft category : mass to full load less than 12537lbs/5700kg.

- Simplicity of assembly and disassembling of the wings, the landing gear, the engines block and propellers, which is due to materials used.

- Simple access to all flight instruments.

- Simplicity and robustness of the controls. (Rods and bearings).

- Accessibility inside the fuselage without equal.

- Impossible defect of centering.

- Piston diesel engines using kerosene and also bio ester mixture.

- Short landings and takeoffs thanks to a very low wing load due to the wing shape and span used.

- Immobilization for maintenance not exceeding 48 hours, facility of the elements interchangeability.

- Sending home by the airs in the event of long distances by towing like gliders.

- Sufficient single-engine aircraft qualification in spite of both engines. (Each engine actuates the two propellers, takeoff with two engines and cruising with one engine will be possible).

Consequently :

- **Reduction of the pilots training costs.**

- The direct hourly cost of the Cessna Caravan aircraft is 55% times superior than the Mini-Cargo one.

- **If you fly 600 hours per annum, the time cost without material depreciation, is 23% times superior for the Cessna Caravan aircraft rather than the Mini-Cargo.**

- Dimensions of the Mini-Cargo fuselage allows the carrying of one standard container LD3 or two container PKC.

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