

MP-02 CZAJKA Ultra Light Aircraft



MP-02 Czajka is a high-wing monoplane with T-tail. Its cantilever wing with double-slotted flaps contains internal fuel tank. The plane has a spacious two-seat cabin (1,2 m wide) and is equipped with a double, side-by-side, set of flight controls. Its three-point landing gear has the steering nose wheel and the main wheels equipped with disc brakes. The aircraft's sandwich skin is based on carbon and glass epoxy composites.

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MP-02 CZAJKA

Ultra Light Aircraft



Engine:
Rotax 912 ULS/ULSFR 100HP

The standard equipment of MP-02 CZAJKA

- airspeed indicator
- altimeter
- compass
- oil pressure and temperature indicator
- cylinder gear temperature indicator
- fuel pressure indicator
- RPM indicator
- fuel indicator
- white painting
- parachute rescue system

Gross weight	450/472.5 kg	1041.7 pound
VNE	260 km/h	140 knot
Max. cruise speed	230 km/h	124 knot
Economic cruise speed	165 km/h	89 knot
Min. speed	64 km/h	34 knot
Fuel consumption	8-16 l/h	2.1-4.2 gal/h
Fuel capacity	114 l	30 gal
Take off	120 m	393 ft
Landing run	80 m	262 ft
Rate of climb (one person)	6.5 m/s	1279 ft/min.
Overload	+4/-2 g	

The airplane distinctions

- the unique aerodynamics and very good flight characteristics, ergonomic and very silenced cockpit, effective shock absorption landing gear, comfortable adjustable seats
- wide range of useful speeds – from minimum velocity of 64 km/h to maximum of 260 km/h (Vne)
- short take-off and landing run as well as high velocity and angle of climbing. CZAJKA is able to operate from different types of surfaces. High useful parameters were achieved thanks to aerodynamically clean body as well as the aerofoil mechanization (four-stage double-slotted flaps)
- long, impressive range, thanks to the 114 litres (30 US gal.) fuel tanks, fully integrated with the wing's composite structure
- roomy, double-deck luggage compartment, with the access to the bottom side from outside of the airplane and to the upper one, from the cockpit
- correct stall characteristics (practically, CZAJKA does not stall), which is very important for the pilots with small experience
- wide application's possibilities, however CZAJKA is most useful for the cross-country, rally and recreational flying for the long distances in very comfortable conditions
- low costs of the operations together with good properties and a high performance favour of commercial use of the aircraft, for example, to patrol huge areas
- reliability and precision in realization of the aircraft is a consequence of high technical culture, knowledge and experience of the aircraft manufacturer