

TECNAM P92 ECHO MKII Model Guide

The TECNAM P92 ECHO MKII is a light single-engine piston aircraft. The Echo family manual describes a two-seat, high-wing, strut-braced design with tricycle gear and a steerable nosewheel. The only MkII-specific document supplied is a November 2020 parts catalogue. The figures here come from an older October 1998 Echo flight manual, so check them against the actual aircraft.

KEY TAKEAWAYS

- The only MkII-specific document is the parts catalogue (Ed. 1 Rev. 0, November 2020). The flight manual supplied is a 1998 Echo manual.
- 1998 Echo manual: maximum takeoff weight 450 kg, standard empty weight 280 kg, 70 litres of fuel in two 35-litre wing tanks.
- The 1998 manual covers a Rotax 912UL (81 hp) and a Rotax 912S (100 hp). The MkII catalogue refers to a Rotax 912S engine.
- The MkII catalogue lists carbon fibre fuselage parts, a parachute installation, an ELT and optional 4-point belts.

WHAT THE DOCUMENTS COVER

The parts catalogue (Doc. num. 92/271) applies to the P92Echo MK2 and uses part numbers starting 218. It does not list Rotax 912S engine parts. The Echo flight manual (October 1998) covers the Echo and Echo/100. It does not carry MkII-specific limits or performance.

SIZE, WEIGHTS AND FLUIDS (1998 ECHO MANUAL)

Wingspan 9.6 m, length 6.3 m, height 2.5 m, wing area 13.2 m2, wing loading 34.1 kg/m2. Fuel: super or green automotive gasoline, or AVGAS 100LL. Oil capacity is 2.5 litres and coolant 3 litres. Propeller is a fixed-pitch two-blade wooden Tonini unit.

WHAT TO CHECK WHEN BUYING

Confirm the engine fitted (912UL, 912S or 912ULS) and the matching propeller. Check which parts apply to the aircraft's serial number, because the catalogue has an S/N column. Inspect the carbon fibre fuselage, parachute installation, ELT, and the Garmin GEA 24 engine display and GTX 35R transponder listed in the catalogue.

SPECIFICATIONS

Wingspan M	9.6
Length M	6.3
Overall Height M	2.5
Wing Area M2	13.2
Total Fuel Capacity L	70
Engine Power 912ul Hp	81
Engine Power 912s Hp	100
Oil Capacity L	2.5

WEIGHT & BALANCE

Max Takeoff Weight Kg	450
Standard Empty Weight Kg	280
Wing Loading Kg M2	34.1
Weight To Power 912ul Kg Per Hp	5.5
Weight To Power 912s Kg Per Hp	4.5

SAFETY NOTES

- The 1998 manual says to keep it on board and operate only within its procedures and limitations.
- Its tables differ between the 81 hp and 100 hp aircraft. Mark the data that applies to your own aircraft.
- Engine parts are not in the Tecnam catalogue. Use the Rotax 912ULS2 Illustrated Parts Catalogue for the engine.