# TECNAM P-2002 Sierra RG Model Guide

TECNAM P-2002 Sierra RG is a single-engine piston aircraft in Tecnam's P2002 line. The supplied documents cover the P2002 Sierra and the P2002-JF, both described as low-wing, two-seat, fixed-gear aircraft. None is specific to the RG variant. Confirm RG weights, speeds and gear checks against the RG's own manual.

## KEY TAKEAWAYS

- Two-seat, single-engine, low-wing piston aircraft. The manuals supplied describe the fixed-gear Sierra and P2002-JF, not the RG.
- Sierra manual: 450 kg max takeoff, 289 kg empty. P2002-JF manual: 580 kg max takeoff, 337 kg empty, 20 kg baggage limit.
- Rotax 912 ULS (Sierra) or 912 S2 (JF); 100 L total fuel in two wing tanks; min RON 95 premium or AVGAS 100LL.
- Check which manual and weights apply to the specific RG airframe before you buy.

## WEIGHTS AND FUEL (REFERENCE, NOT RG FIGURES)

Sierra manual: max takeoff and landing weight 450 kg, standard empty weight 289 kg. P2002-JF manual: max takeoff and landing 580 kg, empty 337 kg, useful load 243 kg, baggage 20 kg. Both list two 50 L wing tanks, 100 L total; the JF lists 99 L usable.

## ENGINE AND SPEED LIMITS

Sierra: Rotax 912 ULS, 73.5 kW (98.5 hp) at 5800 rpm for 5 minutes maximum, 69.0 kW (92.5 hp) continuous at 5500 rpm, with a fixed-pitch two-blade wooden propeller. Sierra IAS limits: VNE 285 km/h, VNO 210, VA 170, VFE 130. JF limits: VNE 138 KIAS, VNO 110, VA 96, VFE 67.

## WHAT TO CHECK WHEN BUYING

The maintenance manual's servicing list covers pitot and static ports, oil level, coolant, fuel strainer drain, fuel tank vents and battery electrolyte. Control cable tension is 20 daN ± 2 daN. The main gear steel spring needs particular care when corrosion is removed. The manual's service bulletin table is blank, so ask the seller for bulletin records.

## SAFETY NOTES

- Sierra limits: cylinder heads 135° C maximum; oil temperature 50° C minimum, 130° C maximum.
- The propeller diameter must not be reduced (1730 mm Sierra, 1740 mm JF).
- Never exceed VNE; the manuals allow manoeuvres between VNO and VNE only in smooth air and with caution.

AI-aggregated guide for the TECNAM P-2002 Sierra RG · sources: FLIGHT MANUAL P2002-JF (#100232) · MANUALE DI VOLO P2002 Sierra (#100583) · Maintenance Manual (#102029) · generated 2026-10-19 · Reference only, not for flight. Check the original documents before relying on this guide.