TECNAM P2002 SIERRA Model Guide

The TECNAM P2002 SIERRA is a single-engine piston aircraft. The supplied sources are checklists for the P2002 JF version. They describe a canopy cockpit, two fuel tanks, an electric fuel pump, carburettors and a coolant-cooled engine. The JF is certified in the normal category under EASA CS-VLA. The sources give no weight, range, seat count or price, so check those against the aircraft's own manual.

KEY TAKEAWAYS

- The checklists cover the P2002 JF. It is certified in the normal category under EASA CS-VLA, and one checklist is titled 'No Night VFR'.
- Key speeds (KIAS): rotate 42, climb Vy 66, Vne 142, stall 41 clean and 33 in landing configuration.
- Use carb heat only if necessary at idle rpm. Using it at 1800 rpm or above can cause fuel boiling and engine failure.
- The checklists disagree on some figures (final approach 55 vs 51 kt, Vfe 69 vs 67 kt). Confirm against the aircraft's own AFM.

WHAT TO CHECK ON INSPECTION

Drain both fuel tanks and the gascolator and look for water. Check the coolant level in the overflow bottle and, before the first flight of the day, the expansion tank. Check the oil level, radiators and silent-block mounts. Turn the propeller by hand and check it rotates freely. Check all three tyres and the pitot and static ports.

ENGINE AND RUN-UP FIGURES

Oil pressure must rise within 10 seconds of start, and minimum fuel pressure with the pump off is 2.2 psi. At run-up the maximum magneto drop is 130 rpm and the maximum difference between magnetos is 50 rpm. Take-off power is 2100 +/- 100 rpm, then reduce to 2250 rpm or below.

EMERGENCY AND HANDLING NOTES

The checklist separates time-critical items to be known by heart from items that can be read step by step. After a generator failure the battery can supply power for about 20 minutes. If the canopy is locked or will not slide, break it with the hammer. In-flight restart is listed for below 4000 ft.

V-SPEEDS

Rotation Speed Kts	42
Best Angle Climb Vx Kts	56
Best Rate Climb Vy Kts	66
Maneuvering Speed Va Kts	100
Never Exceed Vne Kts	142
Stall Clean Vs Kts	41
Stall Landing Vs0 Kts	33
Best Glide Kts	69

SAFETY NOTES

- Carb heat at or above 1800 rpm can lead to fuel boiling and engine failure; use it only when necessary at idle rpm.
- Engine failure up to 500 ft AGL: land straight ahead. Above 500 ft AGL the briefing is to turn around and land on the runway with a tail wind.
- If the canopy is locked or does not slide in an evacuation, break it using the hammer. Check the hammer is on board before flight.

AI-aggregated guide for the TECNAM P2002 SIERRA · sources: TECNAM P2002 JF (#100602) · Tecnam P2002 JF Checklist (#100603) · NORMAL CHECK LIST P2002JF NO NIGHT VFR (#100604) · generated 2026-10-19 · Reference only, not for flight. Check the original documents before relying on this guide.