

Cessna 210 Centurion Model Guide

The Cessna 210 Centurion is a high-performance four to six seat single-engine piston aircraft with retractable landing gear, built from 1960 to 1986 per the library data. The 210L in the training manual has a 300 hp Continental IO-520-L, a 3,800 lb maximum takeoff weight and a 171 kt maximum cruise speed. Turbocharged and pressurized versions also exist.

KEY TAKEAWAYS

- 210L figures: 175 kt max speed, 171 kt max cruise, 134 kt long-range cruise, 1,065 nm range with reserves, 17,300 ft service ceiling.
- 210L empty weight is 2,238 lb and max takeoff weight is 3,800 lb. A 210K has 89 US gal of usable fuel.
- The T210M and P210R are faster (205 kt and 225 kt max speed). Confirm the exact variant before comparing figures.
- Check the carry-thru spar inspection status and the AD history before buying.

VARIANTS AND ENGINES

The 210L has a 300 hp Continental IO-520-L fuel-injected flat six and a three-blade constant-speed McCauley propeller. The T210M is turbocharged (310 hp TSIO-520-R) with a 28,500 ft service ceiling. The P210R is pressurized (325 hp) with a 4,100 lb max takeoff weight. Total 210, T210 and P210 production was 9240, including 843 P210s.

RECORDS AND INSPECTIONS TO CHECK

Mandatory Service Letter SEL-57-06 calls for an eddy current inspection of the carry-thru spar on 210G to 210R serial numbers. It is due at 1,500 flight hours in severe use or 4,000 in typical use. If the usage history is unknown, treat it as severe. The NZ CAA AD schedule also lists items for the main gear, rear spar, flap jack screw, fuel selector valve and fuel tanks.

GEAR, FUEL AND PREFLIGHT

The landing gear is hydraulic, with one green light for all gear down and a 30 Amp pump circuit breaker. A tripped breaker left the gear unlocked in one incident. The 210K has no low fuel warning light. An FAA briefing describes an oil filler cap left unsecured and an undocumented oil filter adapter under a recurring AD. Review the records and do a thorough walk-around.

SPECIFICATIONS

Engine Hp	300
Wingspan Ft	36.75
Length Ft	28.17
Empty Weight Lbs	2238
Max Takeoff Weight Lbs	3800
Usable Fuel Gal	89

PERFORMANCE

Max Speed Kts	175
Cruise Speed Kts	171
Long Range Cruise Speed Kts	134
Rate Of Climb Fpm	950
Service Ceiling Ft	17300
Range Nm	1065

WEIGHT & BALANCE

Empty Weight Lbs	2238
Max Takeoff Weight Lbs	3800

SAFETY NOTES

- BEA report on a 210K: fuel exhaustion forced landing. The aircraft has no low fuel warning light, so track fuel quantity carefully.
- AAIB case: the gear pump circuit breaker tripped and the gear was not locked down, though the pilot thought it was. Confirm the green light and the breaker before landing.
- FAA brief: a Centurion crashed after the oil filler cap was left unsecured. Check the cap and oil filter adapter AD compliance at preflight.