

Cessna 210 Model Guide

The CESSNA 210 is a single-engine piston aircraft. Library data lists a 285 hp Teledyne Continental IO-520-L46B with a 3-blade Hartzell variable-pitch propeller, 65 gal of fuel, 1800 lb useful load and 3600 lb max takeoff weight. Cruise is 130 kt with a stated range of 800 nm. Figures vary by variant, so check them against the specific serial number.

KEY TAKEAWAYS

- Useful load is 1800 lb at 3600 lb max takeoff weight; baggage allowance is 200 lb. Check the weight and balance for the specific airframe.
- Cruises at 130 kt and burns about 12 gph, with 65 gal of fuel and a stated range of 800 nm.
- Wing main spar cap eddy-current inspection is mandatory: first at 8000 hours, then every 2000 hours (3500 and 500 in severe environments).
- Check the nose gear shimmy dampener: McFarlane MC0743624-2 must be removed on retractable 210s (SB-14).

PERFORMANCE

Library figures: rate of climb 1000 fpm, service ceiling 20000 ft, max speed 150 kt. Takeoff over a 50 ft obstacle needs 1500 ft and landing over 50 ft needs 1200 ft. Max crosswind is 20 kt. Stall speed is 60 kt clean and 55 kt in landing configuration. Best glide is 70 kt.

STRUCTURAL INSPECTIONS TO BUDGET FOR

A 2014 Cessna service manual revision added an Airworthiness Limitations section. It requires eddy-current inspection of the wing main spar lower caps: initial at 8000 hours, repeating every 2000 hours, or 3500 hours and every 500 hours in severe environments. Most shops lack the equipment, so plan on a specialty shop. P210 windows have a 13000 hour life limit.

FIGURES DIFFER BY VARIANT

Handbook data varies by variant. The Flight Tech Australia 210N checklist lists Vne 200 KIAS, Vy 96 KIAS, Vx 79 KIAS, takeoff power at 2850 RPM and engine oil 7.5 to 8.5 quarts. The library data lists Vne 175 kt. Always use the POH for the airframe you buy.

SPECIFICATIONS

Engine Hp	285
Range Nm	800
Cruise Speed Kts	130
Fuel Capacity Gal	65
Wingspan Ft	36.1
Length Ft	28.8
Empty Weight Lbs	1800
Max Takeoff Weight Lbs	3600

PERFORMANCE

Max Speed Kts	150
Rate Of Climb Fpm	1000
Service Ceiling Ft	20000
Fuel Burn Gph	12
Takeoff Over 50ft Ft	1500
Landing Over 50ft Ft	1200
Stall Speed Clean Kts	60
Best Glide Speed Kts	70

V-SPEEDS

Va Kts	100
Vx Kts	75
Vy Kts	85
Vfe Kts	100
Vno Kts	125
Vne Kts	175
Vs1 Kts	55
Vso Kts	50

WEIGHT & BALANCE

Useful Load Lbs	1800
Basic Empty Weight Lbs	1800
Max Ramp Weight Lbs	3620
Max Landing Weight Lbs	3600
Baggage Allowance Lbs	200
Cg Forward Inches	34
Cg Aft Inches	40

SAFETY NOTES

- SB-14 (mandatory): remove the McFarlane MC0743624-2 shimmy dampener, lots 104648, 110666, 112303; it interferes with the nose gear doors. No replacement offered.
- P210N, P210R, T210N, T210R: CASA AD/CESSNA 210/67 adds severe-icing warnings. Leave icing conditions promptly and do not use the autopilot if the ice cues appear.
- Confirm that the airframe has had the spar cap eddy-current inspection when due, and review the logbooks for it.