

CESSNA 210N Model Guide

The CESSNA 210N is a retractable-gear, single-engine piston Cessna with a fuel-injected Continental engine (285 hp continuous, 300 hp for the takeoff rating) and a three-blade constant-speed propeller. The 1984 handbook lists 175 kt maximum speed, 168 kt cruise at 75% power and 765 NM range. Library data differs in places, so check the figures against the airplane's own handbook.

KEY TAKEAWAYS

- 1984 handbook: 175 kt max, 168 kt cruise at 75% power, 765 NM range with 45-minute reserve, 950 fpm climb, 17300 ft service ceiling.
- Weights: 3800 lb takeoff, 3812 lb ramp, 1639 lb useful load (Centurion), 240 lb baggage with four people. Library data lists 3600 lb.
- Takeoff: 1250 ft ground roll, 2030 ft over 50 ft. Landing: 765 ft roll, 1500 ft over 50 ft (standard day, hard runway, no wind).
- The gear is retractable and a wheels-up landing is on record. The warning horn sounds below about 12 inches of manifold pressure.

VERIFY BEFORE YOU BUY

Library data and the 1984 handbook disagree. The library lists a 3600 lb maximum takeoff weight, 65 gal fuel, IO-520-U engine and 700 NM range. The handbook lists 3800 lb, 90 gal total fuel, IO-520-L and 765 NM. Confirm the engine model, fuel capacity and weight limits against the airplane's own handbook. The owner is responsible for keeping it current.

UPGRADES AND AVIONICS

The B&C standby alternator (STC SA00846WI) is approved for 210N serials 21062955 through 21064897, the 1979 to 1984 models. It is rated at 20 amps and was listed at \$2300 for the alternator and regulator plus \$550 for the install kit. The S-TEC System 55 autopilot supplement limits use to 165 KIAS or less and flaps of 10 degrees or less. The autopilot must be off for takeoff and landing, and it is Category I only.

FAMILY CONTEXT ONLY

The registry covers the whole Cessna 210 family, including the 210N, T210N and P210N. Across the family it shows up to 204 kt cruise, 1240 NM range, 28000 ft ceiling and 6 passengers. These are family maximums and are not CESSNA 210N figures.

SPECIFICATIONS

Engine Hp	285
Fuel Capacity Gal	90
Wingspan Ft	36
Length Ft	28
Empty Weight Lbs	2173
Propeller	3-blade constant speed

PERFORMANCE

Max Speed Kts	175
Cruise Speed Kts	168
Range Nm	765
Rate Of Climb Fpm	950
Service Ceiling Ft	17300
Takeoff Ground Roll Ft	1250
Takeoff Distance Ft	2030
Landing Ground Roll Ft	765

WEIGHT & BALANCE

Max Ramp Weight Lbs	3812
Max Takeoff Weight Lbs	3800
Empty Weight Lbs	2173
Useful Load Lbs	1639
Baggage Allowance Lbs	240

SAFETY NOTES

- ATSB: a CESSNA 210N landed gear-up at Broome in 2016 with no injuries. The pilot may have run the checklist only mentally and wore a noise-cancelling headset.
- Autopilot malfunction: take control, overpower if needed, disconnect, and do not re-engage until the fault is fixed. No go-around or missed approach on autopilot.