

Cessna T210N Model Guide

Cessna T210N is a single-engine piston Cessna 210 variant. It has a turbocharged, fuel-injected 310 hp Teledyne Continental TSIO-520-R and a 3-bladed constant speed propeller. The 1982 handbook lists a 4000 lb max takeoff weight, 90 gal fuel capacity (87 usable) and a 204 kt maximum speed.

KEY TAKEAWAYS

- Max takeoff 4000 lb, ramp 4016 lb, landing 3800 lb. Standard empty weight is 2237 lb (Turbo Centurion), with a useful load of 1779 lb.
- Engine: 310 BHP for 5 minutes at takeoff, 285 BHP continuous. Avoid continuous operation at 1850-2150 RPM above 24 inches manifold pressure.
- Fuel: 90 gal total, 87 usable, 100LL or 100 grade. Baggage limit is 240 lb combined; the baggage door placard says 200 lb total.
- Mandatory McFarlane SB-14 (Dec 8, 2025) requires removing the MC0743624-2 shimmy dampener from 210N/T210N. No PMA replacement is offered.

PERFORMANCE AND SPEEDS

Handbook figures: 930 fpm climb at sea level, 27,000 ft service ceiling, 1300 ft takeoff ground roll and 2160 ft over a 50-ft obstacle. Stall is 67 KCAS flaps up and 58 KCAS flaps down. Vne is 203 KIAS, Vno 168 KIAS, Va 130 KIAS at 4000 lb. Gear operating speed is 165 KIAS.

FUEL, OIL AND ENGINE CARE

Use 100LL (blue) or 100 (green) fuel. 3 gal of the 90 gal total is unusable. Take off and land on BOTH tanks. Oil capacity is 11 quarts total (10 in the sump). Use straight mineral oil for the first 50 hours or until consumption stabilizes, then ashless dispersant. Max cylinder head temperature is 460°F and max oil temperature is 240°F.

WHAT TO CHECK WHEN BUYING

Confirm the shimmy dampener part number and lot (104648, 110666 or 112303) against SB-14 and the log book entries. Check that the handbook is current: revision 1 dated 16 December 1981 is the latest listed. Verify installed equipment against the weight and balance. Icing is prohibited unless a known-icing package is fitted.

SPECIFICATIONS

Engine Hp	310
Max Takeoff Weight Lbs	4000
Empty Weight Lbs	2237
Fuel Capacity Gal	90
Usable Fuel Gal	87
Baggage Allowance Lbs	240
Max Speed Kts	204
Service Ceiling Ft	27000

PERFORMANCE

Rate Of Climb Fpm	930
Service Ceiling Ft	27000
Max Speed Kts	204
Takeoff Ground Roll Ft	1300
Takeoff Over 50ft Ft	2160
Stall Speed Clean Kts	67
Stall Speed Landing Kts	58

V-SPEEDS

Vne Kts	203
Vno Kts	168
Va Kts	130
Vfe Kts	160
Vlo Kts	165
Vle Kts	203

WEIGHT & BALANCE

Max Ramp Weight Lbs	4016
Max Takeoff Weight Lbs	4000
Max Landing Weight Lbs	3800
Empty Weight Lbs	2237
Max Useful Load Lbs	1779
Baggage Allowance Lbs	240

SAFETY NOTES

- SB-14 is mandatory: remove the MC0743624-2 shimmy dampener on 210N/P210N/T210N (nose gear door interference) and return it to McFarlane.
- With 1/4 tank or less, prolonged uncoordinated flight is prohibited on either left or right tank. Single-tank use is for level flight only.
- Normal category only: no aerobatics or spins. Flight into known icing is prohibited unless the airplane has the known-icing equipment package.