

CESSNA 310F Model Guide

CESSNA 310F is a Cessna 310-series piston airplane. The library listing gives 260 hp, 170 kt cruise and 1200 nm range. A New Zealand type acceptance report gives its maximum certificated takeoff weight as 4830 lb, with a Continental IO-470-D engine. The sources disagree in places, so check every figure against the airplane's own flight manual.

KEY TAKEAWAYS

- The 310F is a Cessna 310-series model on FAA type certificate 3A10. Its maximum takeoff weight is 4830 lb per the NZ type acceptance report.
- Library listing figures: 170 kt cruise, 200 kt maximum, 1200 nm range, 80 gal fuel, 20000 ft service ceiling. Treat these as nominal.
- The sources conflict. The library row shows 5200 lb and an IO-520 engine. The 310F certification data shows 4830 lb and an IO-470-D. Verify on the airplane.
- Janitrol B-series cabin heaters on 310F-310Q airplanes need periodic combustion tube inspection. Ask for the records.

ENGINE, PROPELLER AND WEIGHTS

Certification data for the 310F lists a Continental IO-470-D engine, a McCauley D2AF36C48 propeller and a 4830 lb maximum takeoff weight. The library listing instead shows a 260 hp IO-520, 3200 lb empty weight and 5200 lb maximum weight. Payload depends on the individual airplane's weighed empty weight, so get a current weight and balance.

PERFORMANCE AND SPEEDS (LISTING FIGURES)

The listing shows 1200 fpm climb, 2500 ft takeoff and 2200 ft landing distance over 50 ft. Listed speeds: Vy 88, Vx 74, Vr 75, Vfe 120, stall 70 clean and 61 landing configuration. Confirm every figure against the flight manual for the specific airplane, because the 5200 lb listing may not match 310F certification limits.

WHAT TO CHECK BEFORE BUYING

Ask for the cabin heater inspection history. The Janitrol B-series heater fitted to 310F-310Q airplanes needs periodic combustion tube checks, and a failed test means a major overhaul. Confirm the engine and weight data on the data plate and in the manual. Check the fuel system, the retractable landing gear and the exhaust, which Cessna's safety supplements cover.

SPECIFICATIONS

Engine Hp	260
Wingspan Ft	38.33
Length Ft	28.75
Height Ft	8.83
Fuel Capacity Gal	80
Empty Weight Lbs	3200
Max Takeoff Weight Lbs	4830

PERFORMANCE

Cruise Speed Kts	170
Max Speed Kts	200
Range Nm	1200
Rate Of Climb Fpm	1200
Service Ceiling Ft	20000
Takeoff Distance Ft	2500
Landing Distance Ft	2200

V-SPEEDS

Vr Kts	75
Vx Kts	74
Vy Kts	88
Vfe Kts	120
Vs1 Kts	70
Vso Kts	61

WEIGHT & BALANCE

Max Takeoff Weight Lbs	4830
Empty Weight Lbs	3200
Baggage Allowance Lbs	200

SAFETY NOTES

- Cessna's Pilot Safety and Warning Supplements cover single-engine flight in multi-engine airplanes, fuel contamination, carbon monoxide and retractable landing gear. Read them.
- The airplane's own Pilot's Operating Handbook takes precedence over the library listing and the supplements. Obtain a copy if it is missing.