

Cessna Citation CJ3 Model Guide

The Cessna Citation CJ3 (Model 525B) is a twin-turbofan light jet built from 2004 to 2014 and powered by two Williams FJ44-3A engines. The standard cabin is a six-seat club layout, and it can be set up for eight seats. Registry data for the 525B family shows up to 2,040 nm range and a 45,000 ft ceiling.

KEY TAKEAWAYS

- Two Williams FJ44-3A turbofans with FADEC; max takeoff weight 13,870 lb; six-seat club cabin standard, up to eight seats.
- Listing sheet quotes 410 KTAS normal cruise, 417 KTAS max cruise, and 1,244 nm range with seats full.
- No thrust reversers; lift-dump flaps, spoilers and anti-skid brakes stopped it in about 2,200 ft in the AOPA test.
- Compare engine hours, cycles, engine program enrollment and inspection status; the examples run from 1,350.4 to 4,595 hours.

WHAT TO CHECK ON A USED EXAMPLE

The two sale listings show how much examples vary. The 2006 aircraft has 4,595 hours and 2,800 landings. The 2012 aircraft has 1,350.4 hours and 1,083 landings. Both are on CAMP tracking and an engine program (TAP). Ask for the inspection schedule (Doc 22, Doc 8, Doc 16), damage history, and a pre-buy inspection.

PERFORMANCE AND HANDLING

In the 2004 AOPA test flight (preliminary figures), climb took six minutes to FL250 and 19 minutes to FL430. High-speed cruise at FL430 was 413 KTAS at 740 lb/hr total fuel flow. The listing sheet quotes 151 gal/hr, so verify fuel burn against current operating data. The CJ3 can be flown single-pilot.

CABIN, AVIONICS AND OPTIONS

Collins Pro Line 21 avionics with an FMS-3000 are standard, and the factory build is RVSM-capable. The cabin has a forward refreshment center, airstair entry and a belted lavatory seat. Datalink weather and electronic charts were options, so confirm what each aircraft actually has installed.

SPECIFICATIONS

Basic Empty Weight Lbs	8185
Useful Load Lbs	5885
Fuel Capacity Lbs	4710
Max Altitude Ft	45000

PERFORMANCE

Normal Cruise Speed Kts	410
Max Cruise Speed Kts	417
Max Range Seats Full Nm	1244
Max Range No Payload Nm	2040
Balanced Field Length Ft	3180

V-SPEEDS

V1 Kts	95
V2 Kts	120
Vref Kts	105

WEIGHT & BALANCE

Max Ramp Weight Lbs	14070
Max Takeoff Weight Lbs	13870
Max Landing Weight Lbs	12750
Max Zero Fuel Weight Lbs	10510
Max Fuel Imbalance Lbs	200

SAFETY NOTES

- Maximum approved fuel imbalance is 200 lbs; 600 lbs has been demonstrated for emergency return only.
- Engine starts are limited to three per 30 minutes; engine start tailwind limit is 12 knots and crosswind limit is 16 knots.
- Takeoff thrust is nominally limited to 5 minutes (up to 10 minutes with one engine inoperative).