

Cessna Citation Sovereign+ Model Guide

The Cessna Citation Sovereign+ is a twin-engine business jet, first year 2013, that seats 8 to 12. It has two Pratt & Whitney Canada PW306D engines, Garmin G5000 touch-screen avionics and range-enhancing winglets. Brochures list a 3,530 ft takeoff field length at maximum takeoff weight, 460 ktas maximum cruise and 3,200 nm ferry range.

KEY TAKEAWAYS

- Seats 8 to 12 in a double-club cabin; the baggage compartment is listed at 1,435 lb.
- Brochure figures: 3,530 ft takeoff field length, 460 ktas max cruise, 3,200 nm ferry range at LRC with NBAA IFR reserves.
- Garmin G5000 avionics with autothrottles; check software level against mandatory SB680-34-39 (Garmin 4.8 Version A2).
- Two brochures disagree on range (3,200 vs 3,190 nm) and useful load (12,790 vs 12,714 lb); verify on the actual aircraft.

CAPACITY AND WEIGHTS

Maximum takeoff weight is listed at 30,775 lb. One brochure gives 18,235 lb basic operating weight and 12,790 lb useful load; an earlier one gives 18,311 lb and 12,714 lb. The cabin is 68 in high, 66 in wide and 25 ft 3 in long. Baggage is listed at 1,435 lb and 135 cu ft, but another line says the heated baggage compartment holds up to 1,000 lb; confirm limits in the flight manual.

ENGINES AND FLIGHT DECK

Two Pratt & Whitney Canada PW306D engines each give 5,907 lb of thrust. Time to climb to FL 450 is listed at 27 min. The flight deck is Garmin G5000 with autothrottles, Synthetic Vision, TCAS II Change 7.1, Class-A TAWS, ADS-B Out-capable transponders and an ICAO Type IA flight data recorder.

RECORDS AND SERVICE BULLETINS

Cessna's Specification and Description (October 2015, Revision F) covers units 680-0557 to TBD. SB680-34-39 is mandatory for serials -0501 thru -0600. It updates Garmin G5000 to 4.8 Version A2 within 2 years of receipt. Only Textron Aviation-owned or authorized service centers may do it. SB 680-34-31 (version 3.2) must be done before or with it.

SPECIFICATIONS

Max Takeoff Weight Lbs	30775
Basic Operating Weight Lbs	18235
Useful Load Lbs	12790
Baggage Capacity Lbs	1435
Cabin Height Inches	68
Cabin Width Inches	66
Thrust Per Engine Lbs	5907

PERFORMANCE

Takeoff Field Length Ft	3530
Max Cruise Speed Kts	460
Max Range Nm	3200

SAFETY NOTES

- SB680-34-39 is mandatory for serials -0501 thru -0600; ask for logbook proof of the Garmin 4.8 Version A2 update.
- Concorde battery STC ST04366AT (Sovereign and Sovereign+) replaces the original nickel cadmium batteries; check which batteries are installed and the logbook entry.
- Performance figures assume standard conditions, zero wind and a level, hard, dry runway; range is a ferry mission, not a typical trip.