

Cessna Citation Longitude Model Guide

The Cessna Citation Longitude is a twin-jet, super-midsize business aircraft first built in 2019, seating 8 to 12. It has two Honeywell HTF7700L engines and a 45,000 ft certified ceiling. The manufacturer quotes a range of 3,500 nm on a four-passenger mission at Mach 0.80 with NBAA IFR reserves.

KEY TAKEAWAYS

- Max takeoff weight is 39,500 lb. Full fuel (14,500 lb) leaves only 1,600 lb of payload; max payload is 2,400 lb.
- Typical cruise is 448-483 ktas at FL 350-450. Takeoff distance is 4,810 ft at sea level, ISA, MTOW.
- Brochures disagree: thrust 7,665 vs 7,600 lb, takeoff 4,810 vs 4,900 ft. The 7,600 lb / 4,900 ft sheet says its data is preliminary.
- The walk-in baggage compartment is reachable in flight. Specs list 1,115 lb; one sheet says 1,000 lb of storage.

CABIN AND CAPACITY

Cabin is 72 in high, 77 in wide and 25 ft 2 in long, with 755 ft3 of passenger volume and up to 12 seats. Literature describes double-club seating, lay-flat seats and a forward wet galley. Cabin altitude at the 45,000 ft ceiling is 5,950 ft. Baggage volume is 112 ft3.

PERFORMANCE

Landing distance is 3,170 ft at sea level, ISA, max landing weight. Rate of climb is 4,310 ft/min on two engines and 1,330 ft/min on one. One-engine service ceiling at MTOW is 28,420 ft. Quoted max cruise is 483 ktas, or 476 ktas on an older preliminary sheet.

AVIONICS AND SYSTEMS

Garmin G5000 avionics with touch-screen control, autothrottles and three 14-inch displays are standard; head-up display and enhanced vision are listed as optional. LinxUs diagnostics, brake-by-wire, fly-by-wire rudders and spoilers, and two independent hydraulic systems are described. Engine overhaul interval is on condition.

SPECIFICATIONS

Thrust Per Engine Lbs	7665
Certified Ceiling Ft	45000
Baggage Capacity Lbs	1115
Cabin Height In	72
Cabin Width In	77
Usable Fuel Capacity Lbs	14500
Max Passengers Seats	12

PERFORMANCE

Takeoff Distance Ft	4810
Landing Distance Ft	3170
Rate Of Climb Two Engines Fpm	4310
Rate Of Climb One Engine Fpm	1330
Service Ceiling One Engine Ft	28420
Max Cruise Speed Kts	483
Range Nm	3500

V-SPEEDS

Vmo Kts	325
Vfe Flaps 1 Kts	250
Vfe Flaps 2 Kts	230
Vfe Full Flaps Kts	180
Vle Kts	230
Vlo Kts	230
Vmca Flaps 1 Kts	100
Vmca Flaps 2 Kts	96

WEIGHT & BALANCE

Max Ramp Weight Lbs	39700
Max Takeoff Weight Lbs	39500
Max Landing Weight Lbs	33500
Max Zero Fuel Weight Lbs	26000
Basic Operating Weight Lbs	23600
Max Payload Lbs	2400
Payload With Full Fuel Lbs	1600
Usable Fuel Capacity Lbs	14500

SAFETY NOTES

- The Flight Planning Guide does not replace the FAA-approved Aircraft Flight Manual or Electronic Operating Manual. Verify all figures there.
- MMO is M 0.84 at and above 29,375 ft. VMO is 325 KIAS from 8,000 to 29,375 ft. Gear VLE and VLO are 230 KIAS.
- One-engine service ceiling at MTOW is 28,420 ft. Check engine-out planning for terrain along your routes.