

Cessna Citation Bravo Model Guide

The Cessna Citation Bravo is a twin-turbofan light business jet built from 1997 to 2006. It uses Pratt & Whitney PW530A engines and Honeywell Primus 1000 avionics. Library data lists 7 to 9 seats, and listed examples are configured for 8 or 11 passengers. Over the Citation II it adds standard thrust reversers, trailing-link landing gear and a quieter cabin.

KEY TAKEAWAYS

- Max takeoff weight is 14,800 lbs and max ramp weight is 15,000 lbs. A 500 lb weight increase in 1997 added up to 215 miles of seats-full range.
- Family-level context only: Citation 550 models reach up to 2300 nm range, 403 kt cruise and 45000 ft ceiling. These are not Bravo-specific figures.
- Fuel figures differ by source (4,800, 4,824 and 4,860 lbs). Confirm against the specific aircraft's weight and balance.
- CAE initial training is 13 days with 46 hrs of ground school and 28 hrs in the simulator. Recurrent courses run 4 or 5 days.

WHAT IT CARRIES

The cabin has a 4.9-foot cross-section with 56.3 inches of maximum headroom. The aft lavatory has only 47.6 inches. The unpressurized aft baggage compartment holds 500 pounds. With full fuel, the Bravo can carry seven 170-pound passengers with 22 pounds of luggage each. Listed examples seat 8 (the lavatory is belted as the 8th seat) or 11 in a high-density layout.

CONDITION AND MAINTENANCE TO CHECK

Two listed 2001 examples show the range. One has 5,839 hours and 4,809 landings, with engine overhaul at 8,000. The other has 6,684 hours and 8515 cycles, with overhaul due in 1591 hours and engines not enrolled in a program. Both track maintenance on CAMP. Phases 1-4 recur every 24 months/300 hrs, and Phase 5 every 36 months/1,200 hrs.

SYSTEMS AND AVIONICS

The Cessna Citation Bravo has Honeywell Primus 1000 avionics with three displays and dual AZ-850 air data computers. Two primary pitot-static systems feed them, and a third backs up the standby instruments. Thrust reversers are standard. The pressurization differential relief valves act at 8.9 psi. Listed examples add Garmin 650/750 FMS, RVSM and ADS-B, so verify equipment on the specific aircraft.

SPECIFICATIONS

Cabin Width Ft	4.9
Cabin Max Headroom In	56.3
Cabin Door Height In	50.7
Aft Baggage Capacity Lbs	500

PERFORMANCE

Service Ceiling Ft	43000
Rate Of Climb Fpm	2500
Max Crosswind Kts	15
Max Tailwind Kts	10

V-SPEEDS

Vmo Below 8000 Ft Kts	260
Vmo Above 8000 Ft Kts	275
Vfe Up To 15 Deg Kts	200
Vfe Full Down Kts	174
Vb Turbulence Kts	180
Vmca Kts	78
Vmcg Kts	89

WEIGHT & BALANCE

Max Ramp Weight Lbs	15000
Max Takeoff Weight Lbs	14800
Max Landing Weight Lbs	13500
Max Zero Fuel Weight Lbs	11300
Typical Basic Operating Weight Lbs	9375

SAFETY NOTES

- 2012 UK incident: nose gear failed to extend and no cause was found. A right main gear uplock hydraulic leak was found. Check gear rigging and hydraulics.
- Limits: max crosswind 15 kt, max tailwind 10 kt, Mmo 0.700, Vmca 78 and Vmcg 89 KIAS.
- Inadvertent thrust reverser deployment: abort below V1. Above V1, continue, use emergency stow, and stay at or below 125 KIAS until it stows.