

BOMBARDIER GLOBAL EXPRESS Model Guide

BOMBARDIER GLOBAL EXPRESS (BD-700) is a twin-engine, swept-wing, pressurized business jet powered by two BMW/Rolls Royce BR710 turbofans. It seats a pilot, a copilot and a third crew member, plus up to 19 passengers. The pressurization system is certificated to a maximum pressure altitude of 51,000 feet.

KEY TAKEAWAYS

- Crew of pilot, copilot and a third crew member; up to 19 passengers; two BMW/Rolls Royce BR710 turbofans.
- Registry figures cover the whole family, not one variant: up to 7700 nm range, 432 kt cruise, 51,000 ft ceiling.
- The flight manual lists MTOW options from 93,500 lb to 99,500 lb. Confirm which weight applies to the airframe you are buying.
- Nearly all systems are computer-monitored, with start-up self-test and fault history available through CAIMS.

CABIN AND SIZE

The cabin is 48 ft 4 in long, 6 ft 11 in wide at floor line and 6 ft 3 in high. It has 2100 ft³ of volume and 335 ft² of floor area. Overall the aircraft is 99 ft 5 in long and 24 ft 10 in high, with a 93 ft 6 in wing span.

SYSTEMS AND MAINTENANCE RECORDS

Computers monitor almost all systems, including EICAS, FADEC, EFIS and fuel management. Systems self-test at start-up and are monitored continuously in flight. CAIMS lets crew and maintenance view system fault history and download real-time data. Ask to see these records.

FLIGHT MANUAL STATUS

The Airplane Flight Manual for BD-700-1A10 (CSP 700-1A) was first issued Aug 28, 1998 and is at revision 109, dated Aug 16, 2021. It covers serial numbers from 9002. Check that the manual matches the airframe's serial number and MTOW.

SPECIFICATIONS

Max Passengers	19
Max Pressure Altitude Ft	51000
Max Takeoff Weight Lbs	99500
Cabin Volume Cuft	2100
Cabin Floor Area Sqft	335
Min Pavement Width 180 Turn Ft	68

SAFETY NOTES

- Operate within the AFM LIMITATIONS. Sea-level certificated ambient temperature range is -30°C to +50°C.
- Disconnecting the nosewheel steering torque links is required for all towing operations.
- Keep personnel away from the front of the radar antenna when it is transmitting.