



Bombardier



Bombardier Challenger 3500



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The ultimate cabin experience

Design and technology converge to heighten passenger productivity and comfort. It features industry-first cabin technology, revolutionary seating and a striking interior.



Revolutionary seating

Redefining comfort with its unique zero-gravity position, the patented Nuage seat is the first new seat architecture in business aviation in over 30 years.



Sustainable innovation

The Challenger 3500 aircraft is the most sustainably designed business jet in its class—offering innovative, eco-friendly solutions and features to lower its environmental impact.



Highest reliability, lowest operating costs

With an industry-leading dispatch reliability of over 99.8% and the lowest direct operating costs in its class, the Challenger 3500 aircraft offers peace of mind at an unbeatable value 365 days a year.



Performance that delivers

The latest addition to the iconic Challenger platform—the aircraft of choice among top corporate flight departments and charter operators worldwide—the Challenger 3500 aircraft provides the ultimate combination of range, speed, field performance and reliability.



Smooth ride

An advanced wing design, refined aerodynamics and a pilot-centric avionics suite deliver an exceptionally smooth ride from takeoff to touchdown.

GENERAL

CAPACITY

Passengers: Up to 10

ENGINES

Honeywell HTF7350 turbofans

Thrust: 7,323 lbf (33 kN)

Flat rated to ISA + 15°C

CABIN TECHNOLOGY

- Industry's first voice-controlled cabin
- Largest 4K display in its class
- Wireless phone chargers
- Ka-band and 4G ATG internet available

AVIONICS

- Autothrottle system
- Available Head-up Display (HUD) with Enhanced Vision System (EVS)
- Advanced avionics suite with four large displays
- Dual Flight Management System with LPV and RNP approach capabilities
- Synthetic Vision System (SVS)
- MultiScan™ weather radar
- Dual Inertial Reference System (IRS)
- Dual SBAS/WAAS GPS

PERFORMANCE

RANGE

Maximum range⁽¹⁾ 3,400 nm 6,297 km

SPEED

Top speed MACH 0.83
High speed cruise 0.82
Typical cruise speed 0.80

AIRFIELD PERFORMANCE

Takeoff distance (SL, ISA, MTOW) 4,835 ft 1,474 m
Landing distance (SL, ISA, typical) 2,364 ft 721 m

OPERATING ALTITUDE

Maximum operating altitude 45,000 ft 13,716 m
Initial cruise altitude (MTOW) 43,000 ft 13,106 m

DIMENSIONS

INTERIOR

Cabin height 6 ft 0 in 1.83 m
Cabin width 7 ft 2 in 2.19 m
Cabin length⁽²⁾ 25 ft 2 in 7.68 m

EXTERIOR

Length 68 ft 8 in 20.9 m
Wingspan 69 ft 0 in 21.0 m
Height 20 ft 0 in 6.1 m

For more information, please visit bombardier.com

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