

BOMBARDIER  
**CHALLENGER 300**



# BOMBARDIER CHALLENGER 300



A true executive office for the skies, it is the definitive, super-midsized corporate jet, and the first clean sheet design to satisfy customer needs unmet by any other aircraft. A sophisticated and extremely comfortable transcontinental high-performance jet, the rugged and refined Bombardier® Challenger® 300 was built to provide outstanding reliability and maintain its unsurpassed value over time.

- Best performance and value in its class
- 'Market-designed' cabin functionality and flexibility
- Supreme reliability, built for long-term service

## GENERAL

### Capacity

Crew: 2  
Passengers: 8 - 10

### Engines

Honeywell HTF7000 turbofans  
Thrust: 6,826 lb (30.4 kN)  
Flat rated to: ISA + 15°C (86°F)

### Avionics

- Rockwell Collins Pro Line 21 system with four LCD displays
- Engine Instrument/Crew Alerting System (EICAS)
- Integrated Flight Information System (IFIS)
- Dual DME / Dual GPS with WAAS / Dual FMS-5000
- Maintenance Diagnostics Computer
- Enhanced Ground Proximity Warning System (EGPWS)
- Traffic Collision Avoidance System (TCAS II)
- Emergency Locator Transmitter (ELT)
- Cockpit Voice Recorder
- Digital Flight Data Recorder

## PERFORMANCE

### Range

Maximum range:  
3,065 NM    3,527 SM    5,676 km  
(Theoretical range with Standard BOW, NBAA IFR reserves, ISA, with 8 pax/2 crew and maximum allowable fuel. Actual range will be affected by speed, weather, selected options and other factors.)

Speed	Mach	kt	mph	km/h
High-speed	0.82	470	541	870
Long-range speed	0.80	458	527	850

### Airfield Performance

Takeoff distance (SL, ISA, MTOW):  
4,810 ft (1,466 m)

Landing distance (SL, ISA, MLW):  
2,600 ft (792 m)

### Operating Altitude

Maximum operating altitude:  
45,000 ft (13,716 m)

Initial cruise altitude (MTOW):  
41,000 ft (12,497 m)

### Noise Level (EPNdB)

Flyover (thrust cutback): 75.5

Approach: 89.6

Lateral: 87.6

## DIMENSIONS

### Exterior

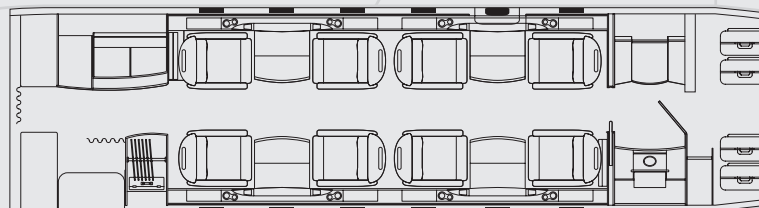
Length: 68.7 ft (20.9 m)  
Wingspan: 60.5 ft (18.4 m)  
Overall span: 63.8 ft (19.5 m)  
Wing area: 522 ft<sup>2</sup> (48.5 m<sup>2</sup>) (basic)  
Height overall: 20 ft (6.1 m)

### Interior

Cabin length: 28.6 ft (8.72 m) (from cockpit divider to end of pressurized compartment)  
Cabin width: 7.2 ft (2.19 m) (centerline)  
Cabin width: 5.1 ft (1.55 m) (floorline)  
Cabin height: 6.1 ft (1.86 m)  
Floor area: 146 ft<sup>2</sup> (13.6 m<sup>2</sup>) (excluding cockpit)  
Cabin volume: 860 ft<sup>3</sup> (24.4 m<sup>3</sup>) (excluding cockpit and baggage)

### Weights

A. Maximum ramp weight:  
39,000 lb (17,690 kg)  
B. Maximum takeoff weight:  
38,850 lb (17,622 kg)  
C. Maximum landing weight:  
33,750 lb (15,309 kg)  
D. Maximum zero fuel weight:  
27,200 lb (12,338 kg)  
E. Typical basic operating weight:  
23,850 lb (10,818 kg)  
F. Maximum fuel weight:  
14,150 lb (6,418 kg)  
Maximum payload (D-E):  
3,350 lb (1,519 kg)  
Payload - maximum fuel (A-E-F):  
1,000 lb (454 kg)  
Fuel with maximum payload (A-D):  
11,800 lb (5,352 kg)



Bombardier Aerospace, Business Aircraft, 400 Côte-Vertu Road West, Dorval, Québec, Canada, H4S 1Y9  
In North America call 800-268-0030 • Elsewhere call 514-855-7698 • [www.businessaircraft.bombardier.com](http://www.businessaircraft.bombardier.com)

Performance is based on maximum takeoff/landing weight, sea level, standard day (ISA) conditions, unless otherwise noted. All data in this document is approximate, for discussion purposes only and may be subject to certain conditions. All internal dimensions are based on an aircraft without a completed interior. This document does not constitute an offer, commitment, representation or warranty of any kind. All data is subject to change without prior notice. The interior images shown are for information purposes only and may represent some optional configurations. The final configuration and performance of the aircraft shall be as per the contractually agreed upon purchase agreement.

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