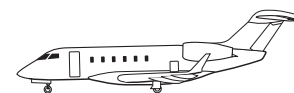
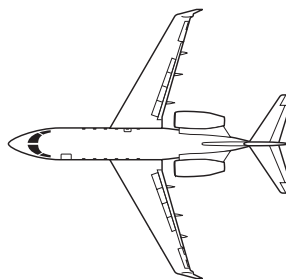
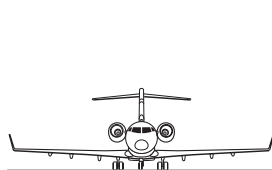


BOMBARDIER  
**CHALLENGER 300**



**GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.**



For a best-of-class value in the super-midsize business jet category, the Bombardier Challenger® 300 offers true transcontinental range combined with a full eight-passenger cabin. At operating costs comparable to midsize jets and a competitive price, the Challenger 300 delivers a first-rate working environment for travelers. With quick time-to-climb and full range capabilities, the Challenger 300 is able to rise rapidly above both weather and traffic.

## GENERAL

### Capacity

Crew: 2  
Passengers: 8-15  
(business/high-density interior)

### Engines

Honeywell AS907 turbofans  
Thrust: 6,501 pounds (28.9 kN)  
Flat-rating: ISA + 15°C (86°F)

### Avionics

- Collins Pro Line 21 four-tube EFIS
- EICAS
- TCASII
- EGPWS

## PERFORMANCE

### Range

Maximum range: 3,100 NM 3,567 SM 5,741 km  
(NBAA IFR Reserves, ISA, with 8 pax/2 crew and maximum fuel)

### Speed

	Mach	kts.	mph	km/h
High-speed cruise	0.82	470	541	870
Typical cruise speed	0.80	459	528	850

### Airfield Performance

Balanced field length (SL, ISA, MGTOW): 4,950 ft (1,509 m)  
Landing distance (SL, MLW): 2,600 ft (792 m)

### Ceiling

Maximum operating altitude: 45,000 ft (13,716 m)  
Initial cruise altitude (MGTOW): 41,000 ft (12,497 m)

## Noise Level

EPNdB

Takeoff: x\*

Approach: x\*

Sideline: x\*

\*Meets FAR part 36 stage 3

## DIMENSIONS

### External

Length: 68.67 ft (20.93 m)  
Wingspan: 63.84 ft (19.46 m)  
Wing area (basic): 522 ft<sup>2</sup> (48.5 m<sup>2</sup>)  
Height overall: 20.33 ft (6.20 m)

### Internal

Cabin length: 28.6 ft (8.72 m)  
(from cockpit divider to end of pressurized compartment)  
Cabin maximum width: 7.17 ft (2.19 m)  
(centerline)  
Cabin width: 5.08 ft (1.55 m)  
(floorline)  
Cabin height: 6.08 ft (1.85 m)  
Floor area: 146 ft<sup>2</sup> (13.56 m<sup>2</sup>)  
(excluding cockpit)  
Cabin volume: 860 ft<sup>3</sup> (24.35 m<sup>3</sup>)  
(excluding cockpit and baggage)

### Weights

A. Maximum ramp weight: 37,650 lb (17,078 kg)  
B. Maximum takeoff weight: 37,500 lb (17,010 kg)  
C. Maximum landing weight: 33,750 lb (15,309 kg)  
D. Maximum zero fuel weight: 25,350 lb (11,499 kg)  
E. Spec. basic operating weight: 22,350 lb (10,138 kg)  
F. Maximum fuel weight: 13,700 lb (6,214 kg)  
Maximum payload (D-E): 3,000 lb (1,361 kg)  
Payload - full fuel (A-E-F): 1,600 lb (726 kg)  
Fuel with maximum payload: 12,300 lb (5,579 kg)

BOMBARDIER AEROSPACE  
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ALL PERFORMANCE SPECIFICATIONS ARE SUBJECT TO CHANGE  
PENDING AIRCRAFT CERTIFICATION.  
PERFORMANCE IS BASED ON MAXIMUM TAKEOFF/LANDING  
WEIGHT, SEA LEVEL, STANDARD DAY (ISA) CONDITIONS,  
UNLESS OTHERWISE NOTED.

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