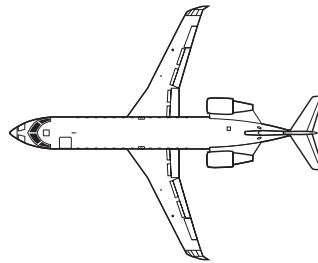
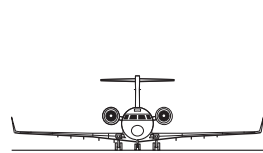


BOMBARDIER
CHALLENGER 800



GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.

BOMBARDIER CHALLENGER 800



GENERAL

Capacity

Crew: 2
Passengers: 14-19

Engines

General Electric CF34-3B1 turbofans
Thrust: 8,729 pounds (38.84 kN) thrust at takeoff
9,220 pounds (41.0 kN) thrust APR
Flat-rating: ISA + 8°C (73°F)

Avionics

- Collins Pro Line 4 six-tube EFIS
- Two-screen EICAS
- Dual FMS 4200
- Dual IRS
- Collins digital weather radar

PERFORMANCE

Range

Maximum range 3,120 NM 3,590 SM 5,778 km
(NBAA IFR Reserves, ISA, with 5 pax/2 crew and maximum fuel)

Speed

	Mach	kts.	mph	km/h
High-speed cruise	0.80	459	528	850
Typical cruise speed	0.77	442	509	819
Long-range cruise speed	0.74	425	489	787

Airfield Performance

Balanced field length
(SL, ISA, MGTOW): 6,295 ft (1,919 m)
Landing distance
(SL, MLW): 2,910 ft (887 m)

Ceiling

Maximum operating altitude: 41,000 ft (12,497 m)

Noise Level

EPNdB
Takeoff: 78.7
Approach: 92.1
Sideline: 82.2

DIMENSIONS

External

Length overall: 87.83 ft (26.77 m)
Wingspan: 69.58 ft (21.21 m)
Wing area (net): 520.4 ft² (48.35 m²)
Height overall: 20.42 ft (6.22 m)

Internal

Cabin length: 48.42 ft (14.76 m)
(from cockpit divider to end of pressurized compartment)
Cabin maximum width: 8.17 ft (2.49 m)
(centerline)
Cabin width: 7.17 ft (2.19 m)
(floorline)
Cabin height: 6.08 ft (1.85 m)
Floor area: 326 ft² (30.29 m²)
(excluding cockpit & baggage)
Cabin volume: 1,900 ft³ (53.80 m³)
(excluding cockpit)

Doors & Exits

Passenger door (LH, fwd) height 5.83 ft (1.78 m)
Width 3 ft (0.91 m)
Height to sill 5.29 ft (1.61 m)
Baggage door (LH, aft) height 2.75 ft (0.84 m)
Width 3.58 ft (1.09 m)
Height to sill 5.29 ft (1.61 m)

Weights

A. Maximum ramp weight: 53,250 lb (24,154 kg)
B. Maximum takeoff weight: 53,000 lb (24,040 kg)
C. Maximum landing weight: 47,000 lb (21,319 kg)
D. Maximum zero fuel weight: 39,500 lb (17,917 kg)
E. Basic operating weight: 33,900 lb (15,377 kg)
F. Maximum fuel weight: 18,305 lb (8,303 kg)
Maximum payload (D-E): 5,600 lb (2,540 kg)
Payload - full fuel (A-E-F): 1,045 lb (474 kg)
Fuel with maximum payload: 13,750 lb (6,237 kg)

Building upon the Bombardier Challenger® history of outstanding reliability, dependability, proven performance and value, the Challenger 800 offers the incomparable flexibility of customized configurations for corporate and government operators. The Challenger 800 offers a large cabin to accommodate 14-19 passengers, a nonstop range of 3,120 nautical miles (5,778 km), and a high-speed cruise of Mach 0.80 (528 mph; 850 km/h) at a maximum operational ceiling of 41,000 feet (12,497 m).

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PERFORMANCE IS BASED ON MAXIMUM TAKEOFF/LANDING WEIGHT, SEA LEVEL, STANDARD DAY (ISA) CONDITIONS, UNLESS OTHERWISE NOTED.

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