

BOMBARDIER
CHALLENGER 605

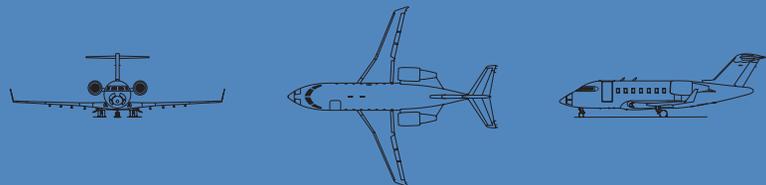


BOMBARDIER CHALLENGER 605



Next-generation by design, the Bombardier Challenger 605 widebody business jet was built in response to the needs and necessities of pilots and business leaders alike. Now, even more spacious, the aircraft is designed with more business, relaxation and entertainment flexibility than any other large business jet. Benefits derived from the 25-year-plus Bombardier Regional Jet program are felt in every aspect, with increased payload/range capacity and a dispatch reliability exceeding 99.7%.

- Evolution of the best-in-class business environment, offering the largest cabin in its class
- Latest-generation cockpit functionality and simplicity led by the Rockwell Collins Pro Line 21 avionics suite
- Airliner maintainability, dispatch reliability exceeding 99.7%.



GENERAL

Capacity

Crew: 2+1
Passengers: Up to 12
(business/high-density interior)

Engines

General Electric
CF34-3B turbofans
Thrust: 8,729 lb (38.84 kN)
Thrust with APR: 9,220 lb (41.0 kN)
Flat rated to: ISA + 15°C (86°F)

Avionics

- Rockwell Collins Pro Line 21 with four 10" x 12" (25.4 cm x 30.5 cm) LCD screens and integrated menu control
- Dual autopilot with single autothrottle
- EFIS/EICAS system with synoptics
- Dual FMS-6000 with coupled lateral and vertical nav, performance calculations
- Integrated Flight Information System (IFIS)
- Dual Honeywell Laserref V Inertial Reference System
- Integrated Radio Tuning with Rockwell Collins Pro Line 21 VHF/Nav radios
- Integrated electronic standby instruments

PERFORMANCE

Range

Maximum range at M 0.74:
4,045 NM 4,655 SM 7,491 km

Maximum range at M 0.80:
3,732 NM 4,295 SM 6,912 km

(NBAA IFR Reserves, ISA, with 5 pax/2 crew and maximum fuel)

Speed

	Mach	kt	mph	km/h
High-speed	0.82	470	541	870

	Mach	kt	mph	km/h
Typical cruise speed	0.80	459	528	850

	Mach	kt	mph	km/h
Long-range speed	0.74	425	489	787

Airfield Performance

Takeoff distance (SL, ISA, MTOW):
5,840 ft (1,780 m)

Landing distance (SL, ISA, MLW):
2,777 ft (846 m)

Operating Altitude

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

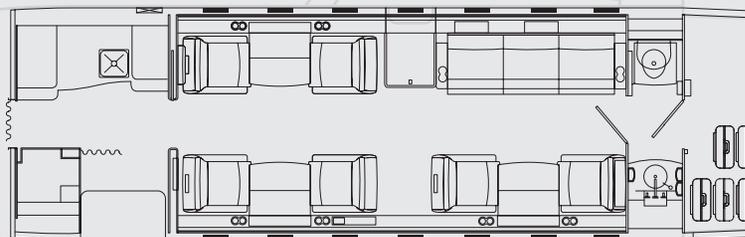
Climb to cruise altitude of
37,000 ft (11,278 m): 22 minutes

Noise Level (EPNdB)

Flyover: 81.2

Approach: 90.3

Lateral: 86.2



DIMENSIONS

Exterior

Length: 68.42 ft (20.85 m)
Wingspan: 64.33 ft (19.61 m)
Wing area: 492 ft² (45.71 m²)
(basic)
Height overall: 20.67 ft (6.30 m)

Interior

Cabin length: 28.42 ft (8.66 m)
(from cockpit divider to end of pressurized compartment)
Cabin 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: 202 ft² (18.77 m²)
(excluding cockpit)
Cabin volume: 1,150 ft³ (32.56 m³)
(from cockpit divider to end of pressurized compartment)

Weights

- A. Maximum ramp weight: 48,300 lb (21,909 kg)
 - B. Maximum takeoff weight: 48,200 lb (21,863 kg)
 - C. Maximum landing weight: 38,000 lb (17,237 kg)
 - D. Maximum zero fuel weight: 32,000 lb (14,515 kg)
 - E. Basic operating weight: 26,985 lb (12,240 kg)
 - F. Maximum fuel weight: 20,000 lb (9,072 kg)
- Payload - maximum fuel (A-E-F):
1,315 lb (596 kg)
- Maximum payload (D-E):
5,015 lb (2,275 kg)
- Fuel with maximum payload:
16,300 lb (7,394 kg)

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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. 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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