

BOMBARDIER  
**CHALLENGER 605**

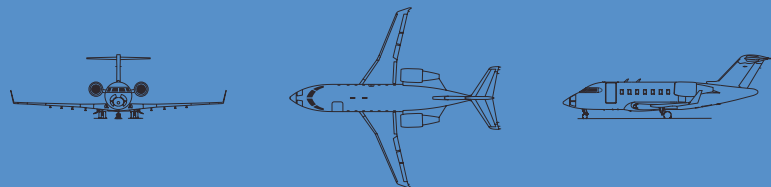


# BOMBARDIER CHALLENGER 605



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 superior airliner maintainability.

- 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, superior aircraft reliability.



## 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  |
| Typical cruise speed | 0.80 | 459 | 528 | 850  |
| 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)

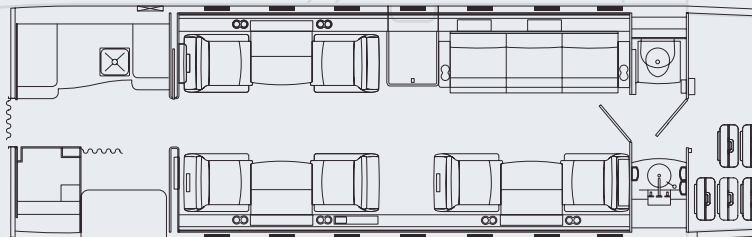
### Operating Altitude

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 ft<sup>2</sup> (45.71 m<sup>2</sup>)  
(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 ft<sup>2</sup> (18.77 m<sup>2</sup>)  
(excluding cockpit)  
Cabin volume: 1,150 ft<sup>3</sup> (32.56 m<sup>3</sup>)  
(from cockpit divider to end of pressurized compartment)

### Weights

- Maximum ramp weight: 48,300 lb (21,909 kg)
- Maximum takeoff weight: 48,200 lb (21,863 kg)
- Maximum landing weight: 38,000 lb (17,237 kg)
- Maximum zero fuel weight: 32,000 lb (14,515 kg)
- Basic operating weight: 26,985 lb (12,240 kg)
- 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)

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. 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.

©2007 Bombardier Inc. All rights reserved. \* Registered Trademark(s) or Trademark(s) of Bombardier Inc. or its subsidiaries. Printed in Canada (09/07).

# BOMBARDIER