Equipped with the new Rockwell Collins Pro Line 21 avionics suite and a redesigned, more spacious interior, the Bombardier* Challenger* 605 business jet elevates the Challenger tradition of productivity and value to a whole new level. Its next-generation flight deck offers a 55% increase in total display area and state-of-the-art LCD technology that supports real-time satellite graphical weather and Electronic charts to enhance situational awareness and reduce pilot workload. To ensure greater passenger comfort in flight, its fully rethought and restyled cabin offers increased usable volume and work area, and a new Ethernet-based Cabin Electronic System that features galley and VIP touch screen controls. An all-around performer, the Challenger 605 brings a new level of technology, flexibility and comfort to the skies, backed by the performance and reliability you expect from a Bombardier Challenger.

### GENERAL

**Capacity**
- Crew: 2+1
- Passengers: Up to 12

**Engines**
- General Electric CF34-3B turbofans
  - Thrust: 8,729 pounds (38.84 kN) thrust at takeoff
  - 9,220 pounds (41.0 kN) thrust APR
  - Flat-rating: 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
- Dual Honeywell Laseref V Inertial Reference System with automatic position initialization
- 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: 0.82 470 541 870
- KT: 800 900 1200
- MPH: 500 600 1000
- KM/H: 450 528 850

**Airfield Performance**
- Balanced field length
  - (SL, ISA, MGTOW): 5,840 ft (1,780 m)
  - Landing distance
  - (SL, ISA, MLW): 2,777 ft (846 m)

**Ceiling**
- 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
  - Takeoff: 81.2
  - Approach: 90.3
  - Sideline: 86.2

### DIMENSIONS

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

**Internal**
- Cabin length: 28.42 ft (8.66 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: 202 ft² (18.77 m²)
  (excluding cockpit)
- Total 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. Standard basic operating weight: 26,925 lb (12,240 kg)
- F. Maximum fuel weight: 20,000 lb (9,072 kg)
- Payload – full fuel (A-E-F): 1,315 lb (596 kg)
- Maximum payload (D-F): 5,015 lb (2,275 kg)
- Fuel with maximum payload: 16,300 lb (7,394 kg)