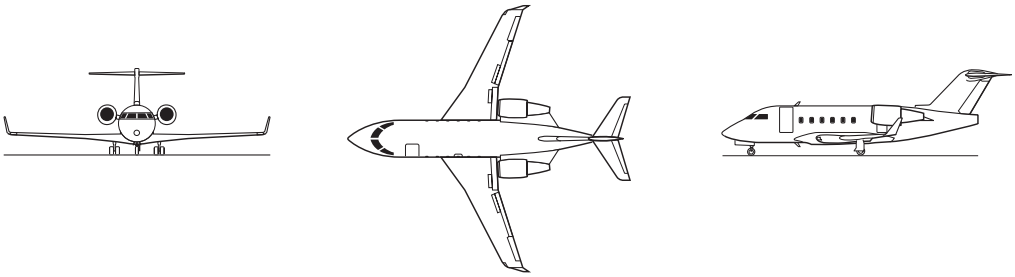
BOMBARDIER

CHALLENGER 604

GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.

BOMBARDIER

CHALLENGER 604



Certified for civil operation in 40 countries, the Bombardier Challenger* 604 has established a proven track record for dependability, reliability and outstanding value, making it the best-selling jet in its class. Offering the widest cabin of any true business jet available today, stand-up room of over six feet and a passive noise insulation system, it provides superior cabin comfort for its passengers. With a maximum cruise speed of Mach 0.82 (541 mph; 870 km/h) and an intercontinental range of over 4,000 nautical miles (7,408 km), the Bombardier Challenger 604 is well suited for any mission.*

GENERAL

Capacity

Crew:	2+1
Passengers:	9-19

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

- Collins Pro Line 4 six-tube EFIS with PrecisionPlus upgrade
- Two-screen EICAS
- Dual Litton LTN-101 inertial reference systems
- Collins WXP-4220 digital weather radar
- Collins nav/comms
- TCASII, EGPWS, Dual GPS

PERFORMANCE

Range

Maximum range at M 0.74:	4,027 NM	4,634 SM	7,458 km
Maximum range at M 0.80:	3,714 NM	4,274 SM	6,878 km

(NBAA IFR Reserves, ISA, with 5 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
Long-range cruise speed	0.74	425	489	787

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: (basic)	492 ft² (45.71 m²)
Height overall:	20.67 ft (6.30 m)

Internal

Cabin length: (from cockpit divider to end of pressurized compartment)	28.42 ft (8.66 m)
Cabin maximum width: (centerline)	8.17 ft (2.49 m)
Cabin width: (floorline)	7.17 ft (2.19 m)
Cabin height:	6.08 ft (1.85 m)
Floor area: (excluding cockpit)	202 ft² (18.77 m²)
Total volume: (from cockpit divider to end of pressurized compartment)	1,150 ft³ (32.56 m³)

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:	27,185 lb (12,331 kg)
F. Maximum fuel weight:	20,000 lb (9,072 kg)
Payload – full fuel (A-E-F):	1,115 lb (506 kg)
Maximum payload (D-E):	4,815 lb (2,184 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.AERO.BOMBARDIER.COM

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

©2003 BOMBARDIER INC. ALL RIGHTS RESERVED.
PRINTED IN CANADA (07/03)

*TRADEMARK(S) OF BOMBARDIER INC. OR ITS SUBSIDIARIES.

BOMBARDIER

Experience the Extraordinary