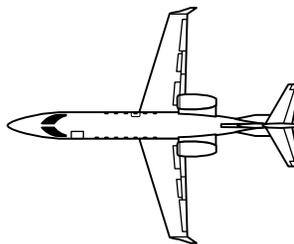


BOMBARDIER
LEARJET 40



GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.

BOMBARDIER LEARJET 40



The Learjet 40 – derived from the high-performance Learjet 45 – combines superior comfort, low direct operating costs, unequalled payload/range capabilities, and legendary Learjet performance and speed to deliver best-in-class value. Capable of flying full payload and full fuel, it features cruise speeds up to Mach 0.81 (534 mph; 859 km/h) and an operating altitude of 51,000 feet (15,545 m). With a maximum range of 1,857 nautical miles (3,439 km) with four passengers and two crew, the Bombardier Learjet 40 offers a level of comfort, technology and sophistication never before seen in the light business jet segment.

GENERAL

Capacity

Crew: 2

Passengers: Up to 7

Engines

Honeywell TFE731-20-AR

Thrust: 3,500 pounds (15.56 kN) thrust at takeoff

Flat-rating: ISA + 16°C (88°F)

Avionics

- Honeywell Primus 1000 four-tube EFIS
- Engine Instrument/Crew Advisory System (EICAS)
- Honeywell Primus 660 weather radar
- Dual Primus II nav/comm systems

PERFORMANCE

Range

Maximum range: 1,857 NM 2,137 SM 3,439 km
(IFR Reserves, ISA, with 4 pax/2 crew)

Speed

	Mach	kts.	mph	km/h
High-speed cruise	0.81	464	534	859
Typical cruise speed	0.79	457	526	846
Long-range cruise speed	0.75	430	495	796

Airfield Performance

Balanced field length (SL, ISA, MGTOW): 4,285 ft (1,306 m)

Landing distance (SL, ISA, MLW): 2,660 ft (811 m)

Ceiling

Maximum operating altitude: 51,000 ft (15,545 m)

Climb to cruise altitude of 43,000 ft (13,106 m) after MGTOW departure: 22 min, 42 sec

Noise Level

EPNdB

Takeoff: 74.4

Approach: 93.4

Sideline: 85.2

DIMENSIONS

External

Length: 55.5 ft (16.92 m)

Wingspan: 47.78 ft (14.56 m)

Wing area: 311.6 ft² (28.95 m²)
(basic)

Height overall: 14.13 ft (4.31 m)

Internal

Cabin length: 17.7 ft (5.40 m)
(from cockpit divider to end of pressurized compartment)

Cabin maximum width: 5.12 ft (1.56 m)
(centerline)

Cabin width: 3.1 ft (0.94 m)
(floorline)

Cabin height: 4.92 ft (1.50 m)

Floor area: 55.7 ft² (5.17 m²)
(excluding cockpit)

Total volume: 363 ft³ (10.28 m³)
(from cockpit divider to end of pressurized compartment)

Weights

A. Maximum ramp weight: 20,600 lb (9,344 kg)

B. Maximum takeoff weight: 20,350 lb (9,231 kg)

C. Maximum landing weight: 19,200 lb (8,709 kg)

D. Maximum zero fuel weight: 16,000 lb (7,257 kg)

E. Typical basic operating weight: 13,428 lb (6,091 kg)

F. Maximum fuel weight: 5,375 lb (2,438 kg)

Maximum payload (D-E): 2,572 lb (1,166 kg)

Payload – full fuel (A-E-F): 1,797 lb (815 kg)

Fuel with maximum payload: 4,600 lb (2,087 kg)