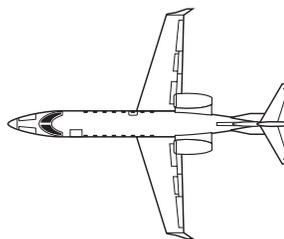


BOMBARDIER
LEARJET 45



GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.

BOMBARDIER LEARJET 45



The Bombardier Learjet® 45 flies faster and farther, with more passengers, than any other corporate aircraft in its class. Combining superior comfort and legendary Learjet performance, it offers easy handling characteristics, enhanced fuel efficiency, and outstanding reliability and maintainability. The Bombardier Learjet 45 is the only aircraft under 35,000 pounds (15,876 kg) to offer the latest systems software and architecture to minimize pilot and maintenance workload. It is also the only aircraft in this weight class certified by both the U.S. Federal Aviation Administration (FAA) and European Joint Aviation Authorities (JAA).

GENERAL

Capacity

Crew: 2
Passengers: Up to 9

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: 2,102 NM 2,419 SM 3,893 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): 4,350 ft (1,326 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: 23 min, 6 sec

Noise Level

EPNdB
Takeoff: 74.4
Approach: 93.4
Sideline: 85.2

DIMENSIONS

External

Length: 57.6 ft (17.56 m)
Wingspan: 47.78 ft (14.56 m)
Wing area:
(basic) 311.6 ft² (28.95 m²)
Height overall: 14.13 ft (4.31 m)

Internal

Cabin length: 19.75 ft (6.02 m)
(from cockpit divider to end of pressurized compartment)
Cabin maximum width:
(centerline) 5.12 ft (1.56 m)
Cabin width:
(floorline) 3.1 ft (0.94 m)
Cabin height: 4.92 ft (1.50 m)
Floor area:
(excluding cockpit) 62 ft² (5.76 m²)
Total volume: 410 ft³ (11.61 m³)
(from cockpit divider to end of pressurized compartment)

Weights

A. Maximum ramp weight: 20,750 lb (9,412 kg)
B. Maximum takeoff weight: 20,500 lb (9,299 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: 13,695 lb (6,212 kg)
F. Maximum fuel weight: 6,062 lb (2,750 kg)
Maximum payload (D-E): 2,305 lb (1,046 kg)
Payload – full fuel (A-E-F): 993 lb (450 kg)
Fuel with maximum payload: 4,750 lb (2,155 kg)