

BOMBARDIER  
**LEARJET 45**

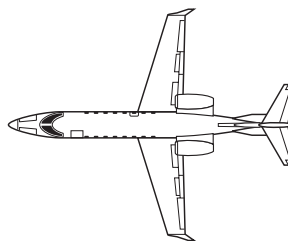


GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.

# 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: 2,098 NM 2,415 SM 3,885 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: 74.5

Approach: 93.4

Sideline: 85.2

## DIMENSIONS

### External

Length: 57.6 ft (17.56 m)

Wingspan: 47.78 ft (14.56 m)

Wing area: 311.6 ft<sup>2</sup> (28.95 m<sup>2</sup>)  
(basic)

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: 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: 62 ft<sup>2</sup> (5.76 m<sup>2</sup>)  
(excluding cockpit)

Total volume: 410 ft<sup>3</sup> (11.61 m<sup>3</sup>)  
(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: 13,729 lb (6,227 kg)

F. Maximum fuel weight: 6,062 lb (2,750 kg)

Maximum payload (D-E): 2,271 lb (1,030 kg)

Payload – full fuel (A-E-F): 959 lb (435 kg)

Fuel with maximum payload: 4,750 lb (2,155 kg)

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

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