



BOMBARDIER  
**LEARJET 45XR**





The Bombardier Learjet 45 XR super-light jet completely outperforms the competition with its exceptional fuel efficiency, improved takeoff distances in hot conditions and at high altitudes, superior time-to-climb and faster cruise speeds.

- A functional cabin allows passengers to maximize their time in a spacious and comfortable environment in the only super-light class jet offering a true double-club configuration
- The power to fly faster than any competitor in the super-light jet category, and offer class-leading low operating costs
- Enhanced Honeywell TFE731-20-BR engines deliver exceptional time-to-climb performance and faster cruise speeds

## GENERAL

### Capacity

Crew: 2  
Passengers: Up to 8 + 1

### Engines

Honeywell TFE731-20-BR  
Thrust: 3,500 lb (15.56 kN)  
Flat rated to: ISA + 25°C (104°F)

### Avionics

- Honeywell Primus 1000 four-tube EFIS
- Engine Instrument/Crew Alerting System (EICAS)
- Honeywell Primus 660 weather radar
- Dual Primus II nav/comm systems
- Traffic Collision Avoidance System (TCAS 2000)
- Enhanced Ground Proximity Warning System (EGPWS) with Windshear Alert
- Emergency Locator Transmitter (ELT)
- Flight Management System (FMS)

### Entertainment

- Cabin Audio System
- Forward 12.1" Monitor with DVD
- Moving Map System

## PERFORMANCE

### Range

Maximum range:  
1,971 NM    2,268 SM    3,650 km  
(NBAA IFR 100 NM reserves, ISA, with 4 pax/2 crew)

**Speed**    Mach    kt    mph    km/h  
High-speed    0.81    465    535    860

Typical cruise speed    0.81    465    535    860

Long-range speed    0.75    432    497    800

### Airfield Performance

Takeoff distance (SL, ISA, MTOW):  
5,040 ft (1,536 m)

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

### Operating Altitude

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

Climb to cruise altitude of 43,000 ft (13,106 m) after MTOW departure:  
24 min, 36 sec

### Noise Level (EPNdB)

Flyover (thrust cutback): 75.5

Approach: 93.4

Lateral: 85.1

## DIMENSIONS

### Exterior

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)

### Interior

Cabin length: 19.75 ft (6.02 m) (from cockpit divider to end of pressurized compartment)

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

Cabin width: 3.2 ft (0.98 m) (floorline)

Cabin height: 4.92 ft (1.50 m)

Floor area: 66 ft<sup>2</sup> (6.13 m<sup>2</sup>) (excluding cockpit)

Cabin 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:  
21,750 lb (9,866 kg)

B. Maximum takeoff weight:  
21,500 lb (9,752 kg)

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

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

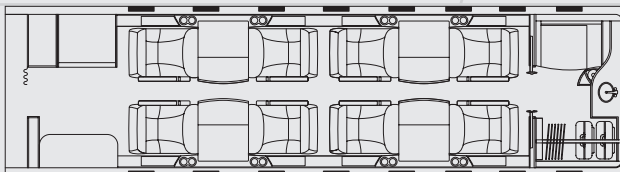
E. Typical basic operating weight:  
14,125 lb (6,407 kg)

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

Maximum payload (D-E):  
1,875 lb (850 kg)

Payload – maximum fuel (A-E-F):  
1,563 lb (709 kg)

Fuel with maximum payload (A-D):  
5,750 lb (2,608 kg)



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Performance is based on maximum takeoff/landing weight, sea level, standard day (ISA) conditions, unless otherwise noted. All data in this document is approximate, for discussion purposes only and may be subject to certain conditions. All internal dimensions are based on an aircraft without a completed interior. This document does not constitute an offer, commitment, representation or warranty of any kind. All data is subject to change without prior notice. The interior images shown are for information purposes only and may represent some optional configurations. The final configuration and performance of the aircraft shall be as per the contractually agreed upon purchase agreement.

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