

BOMBARDIER
LEARJET 45XR



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

- A functional cabin allows passengers to maximize their time in a spacious and comfortable environment
- The power to fly faster and farther – with more passengers – than any other aircraft in its class
- Enhanced Honeywell TFE731-20-BR engines deliver unmatched time-to-climb performance and faster high-speed cruise at all altitudes

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)

PERFORMANCE

Range

Maximum range:
2,087 NM 2,402 SM 3,865 km
(IFR Reserves, ISA, with 4 pax/2 crew)

Maximum range:
1,985 NM 2,284 SM 3,676 km
(IFR Reserves, ISA, with 8 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 MGTOW departure:
25 min

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 ft² (28.95 m²) (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: 3.1 ft (0.94 m) (floorline)
Cabin height: 4.92 ft (1.50 m)
Floor area: 62 ft² (5.76 m²) (excluding cockpit)
Cabin volume: 410 ft³ (11.61 m³) (from cockpit divider to end of pressurized compartment)

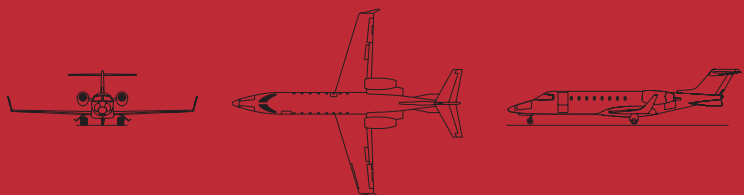
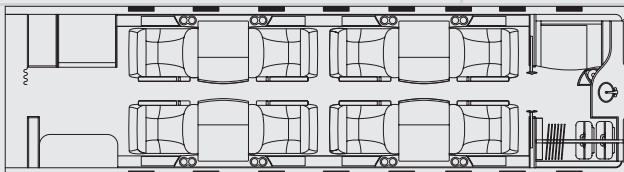
Weights

- 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: 13,890 lb (6,300 kg)
- F. Maximum fuel weight: 6,062 lb (2,750 kg)

Maximum payload (D-E):
2,110 lb (957 kg)

Payload – maximum fuel (A-E-F):
1,798 lb (816 kg)

Fuel with maximum payload:
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. 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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