

BOMBARDIER
LEARJET 45XR

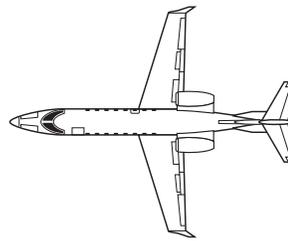


GENERAL SPECIFICATIONS. PERFORMANCE. DIMENSIONS.

BOMBARDIER LEARJET 45XR



The Bombardier* Learjet* 45 XR builds on the proven track record of the Bombardier Learjet 45, offering significantly improved payload-range capabilities, increased flexibility, unmatched time-to-climb performance – particularly under ISA plus conditions – faster high-speed cruise at all altitudes, and significantly reduced balanced field lengths at higher temperatures. Designed to operate with both full passenger load and full fuel, the Bombardier Learjet 45 XR will fly over 2,000 nautical miles (3,717 km) with eight passengers in one of the most comfortable cabins in the super-light business jet segment.



GENERAL

Capacity

Crew: 2
Passengers: Up to 9

Engines

Honeywell TFE731-20-BR
Thrust: 3,500 pounds (15.56 kN) thrust at takeoff
Flat-rating: ISA + 25°C (104°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)
Maximum range: 2,007 NM 2,310 SM 3,717 km
(IFR Reserves, ISA, with 8 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): 5,060 ft (1,542 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: 24 min, 54 sec

Noise Level

EPNdB
Takeoff: 74.5
Approach: 93.4
Sideline: 85.1

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: 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: 13,729 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): 1,959 lb (889 kg)
Fuel with maximum payload: 5,750 lb (2,608 kg)