



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 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:

1,975 NM    2,273 SM    3,658 km  
(NBAA IFR 100 NM reserves, ISA, with 4 pax/2 crew)

Maximum range:

1,833 NM    2,109 SM    3,395 km  
(NBAA IFR 100 NM 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:  
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 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: 3.2 ft (0.98 m)  
(floorline)

Cabin height: 4.92 ft (1.50 m)

Floor area: 66 ft² (6.13 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)

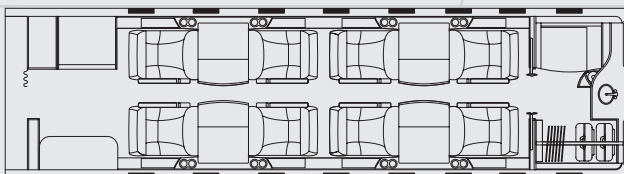
E. Typical basic operating weight:  
14,094 lb (6,393 kg)

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

Maximum payload (D-E):  
1,906 lb (865 kg)

Payload – maximum fuel (A-E-F):  
1,594 lb (723 kg)

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



Bombardier Aerospace, Business Aircraft, 400 Côte-Vertu Road West, Dorval, Québec, Canada H4S 1Y9  
In North America call 800-268-0030 • Elsewhere call 514-855-7698 • [www.businessaircraft.bombardier.com](http://www.businessaircraft.bombardier.com)

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.

©2008 Bombardier Inc. All rights reserved. \* Registered Trademark(s) or Trademark(s) of Bombardier Inc. or its subsidiaries. Printed in Canada (07/08).

