

Challenger 650

BOMBARDIER

We've spent over 50 years re-imagining private flight

A History
of Ingenuity.

Forever
Visionary.

Our 50 years of innovation have led us to see opportunities where others see limits. A rich history of ingenuity inspires us to relentlessly reinvent and refine every detail of our private aircraft. It's just who we are.





Challenger 650

Best-selling is a sure bet

Our best-selling large aircraft platform combines world-class interior design with the ultimate value proposition.

Widest-in-class cabin, worldwide reach, and the lowest direct operating costs make the Challenger 650 aircraft the winning choice.



Smooth ride The Challenger 650 aircraft's wing was designed to provide you with a smooth ride from takeoff to touchdown.



#1 in deliveries The best-selling large business jet platform of all time with over 1,000 deliveries and counting.



Widest-in-class cabin Larger seats, the highest sleeping capacity in its class and the space to move around freely. Others simply don't measure up.



Fastest connectivity Available Ka-band high-speed internet connectivity will keep you connected at all times.



Lowest direct operating costs Low parts costs, long maintenance intervals and superior fuel efficiency make the Challenger 650 the aircraft of choice among corporate flight departments and charter operators.



Highest reliability With an industry-leading dispatch reliability of over 99.9 percent, the Challenger 650 platform was designed to deliver on safety and peace of mind.



Unrivalled reputation

An industry icon

The Challenger 650 aircraft has captured the hearts and minds of the business aviation industry, making it the best-selling large business jet platform of all time. Its widest in-class cabin has been carefully curated to deliver the best of business and pleasure, while stylish furnishings and modern accents create an ambiance of timeless elegance perfectly suited to journeys near or far.





It's all in the details

Aesthetics meet ergonomics with large windows, angled touch screens and meticulously selected finishes.



Room for all

The Challenger 650 is the only aircraft in its class with available seating for up to 12 passengers. With all seats filled, a wider cabin means that there's still plenty of room for comfort.



Unlimited baggage access

Safely access what you require, as required. With access to the baggage compartment at all times, your personal items are always within reach.



Technology works best when it goes unnoticed

Designed to be effortless

The cabin of the Challenger 650 aircraft seamlessly integrates advanced technology with intuitive functionality. The result is an intuitive cabin experience for business or pleasure.





FLIGHT INFO 02:17 pm

Estimated time of Arrival 02:56 pm

Flight time 2.50 h Time to destination 0.39 h

1119 mi 279 mi

Local times 02:17 pm +2h 04:17 pm



Always connected

Experience the fastest in-flight internet connectivity worldwide* with available Ka-band on the Challenger 650 aircraft. From video conferencing and live streaming to online gaming, whether for work or play - you're always connected.



Pause work; hit play

Our intuitive cabin entertainment system allows you to stream videos and movies from your personal devices to the largest high definition monitors in the segment.



Immersive sound

Enjoy an unparalleled audio experience with crystal-clear audio through high-fidelity integrated sidewall speakers - exclusive in its class.



CHALLENGER
650

BOMBARDIER

A consummate performer

Business within reach

Fly 4,000 nm, fully-equipped. The Challenger 650 aircraft links the world's financial capitals such as New York and London or Dubai and Singapore.

Land in London City

Steep approach certified, the Challenger 650 aircraft can access London City Airport as well as operate in and out of challenging airports, such as Aspen and Lugano, so you can always get closer to your destination.



The ultimate value proposition

Cutting costs without cutting corners

The Challenger 650 aircraft has the lowest direct operating cost in its class through affordable maintenance programs and longer maintenance intervals than the competition.

The luxury of having it all

Premium features come standard on the Challenger 650 aircraft with more baseline equipment than the competition.



A smooth operator for today and tomorrow

Smooth ride

The Challenger 650 aircraft's wing design integrates Bombardier's signature smooth ride technology, helping you arrive at your destination refreshed and well-rested.

Best equipped cockpit in its class

The Bombardier Vision flight deck on the Challenger 650 aircraft is equipped to meet current and upcoming navigational requirements and offers the industry's most extensive baseline feature set including synthetic vision and MultiScan weather radar systems.

Proven reliability

With over 5 million flight hours, the Challenger 650 aircraft delivers class-leading reliability with more system redundancies than any of its competitors.

Challenger 650

Smooth ride

The Challenger 650 aircraft's wing was designed to provide you with a smooth ride from takeoff to touchdown.

#1 in deliveries

The best-selling large business jet platform of all time with over 1,000 deliveries and counting.

Lowest direct operating costs

Low parts costs, long maintenance intervals and superior fuel efficiency make the Challenger 650 the aircraft of choice among corporate flight departments and charter operators.

Widest-in-class cabin

Larger seats, the highest sleeping capacity in its class and the space to move around freely. Others simply don't measure up.

Fastest connectivity

Available Ka-band high-speed internet connectivity will keep you connected at all times.

Highest reliability

With an industry-leading dispatch reliability of over 99.9 percent, the Challenger 650 platform was designed to deliver on safety and peace of mind.





Technical specifications

GENERAL

CAPACITY

Passengers: Up to 12

ENGINES

GE CF34-3B MTO

Thrust: 9,220 lbf (41kN)

Flat rated to ISA + 15°C

CABIN TECHNOLOGY

- Ka-band internet available
- Blu-ray, HDMI and Wi-Fi

AVIONICS

- Collins Aerospace Advanced avionics suite with four large displays
- Dual Flight Management System with LPV and RNP approach capabilities
- Synthetic Vision System (SVS)
- MultiScan weather radar
- Dual Inertial Reference System (IRS)
- Dual SBAS/WAAS GPS

PERFORMANCE

RANGE

Maximum range ⁽¹⁾	4,000 nm	7,408 km
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SPEED

	MACH	
Top speed	0.85	
High speed cruise	0.82	
Typical cruise speed	0.80	

AIRFIELD PERFORMANCE

Takeoff distance (SL, ISA, MTOW)	5,640 ft	1,720 m
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Landing distance (SL, ISA, typical)	2,402 ft	732 m
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OPERATING ALTITUDE

Maximum operating altitude	41,000 ft	12,497 m
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Initial cruise altitude (MTOW)	37,000 ft	11,278 m
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DIMENSIONS

INTERIOR

Cabin height	6 ft 0 in	1.83 m
Cabin width	7 ft 11 in	2.41 m
Cabin length ⁽²⁾	25 ft 7 in	7.80 m

EXTERIOR

Length	68 ft 5 in	20.9 m
Wingspan	64 ft 4 in	19.6 m
Wing area	489 ft ²	45.4 m ²
Height	20 ft 8 in	6.3 m



New York



London



Singapore

(1) Theoretical range with NBAA IFR Reserves, ISA, LRC, 6 pax /2 crew. Actual range will be affected by speed, weather, selected options and other factors.

(2) From cockpit divider to aft most cabin without baggage compartment.

Standard interior configuration



ENTRANCE

- Sound-insulating entry door and cockpit closeout curtains
- Spacious galley with generous work surface, oven, microwave, sink and faucet, coffee/espresso machine, drainable ice drawer and available chilled storage
- Wardrobe for passengers' and crew members' personal items
- Wood and stone flooring available
- Sound-insulating sliding door separating entrance from main cabin

FURNISHINGS

- Flexible seating arrangements for up to 12 passengers
- Executive seating in club configuration
- 4-place divan with berthing capability
- Seats feature 180°-swivel, tracking, recline and berthing capability
- Quick-access seat storage compartments
- Concealed tables at each executive seating arrangement
- 4-place conference grouping including a height-adjustable single pedestal conference table available

CONNECTIVITY AND ENTERTAINMENT

- Industry-leading Ka-band high-speed internet connectivity available
- 24 in (61 cm) high definition forward and aft bulkhead monitors
- Wireless music streaming capability throughout the cabin
- Audio/Video on Demand available
- Plug-and-play entertainment experience with universal HDMI and USB ports
- Wireless control of cabin environment and entertainment via personal electronic devices

LAVATORY AND STORAGE

- Lavatory featuring large backlit mirror and vanity, sink and faucet
- Unrestricted and safe access to a 115 ft³ (3.2 m³) baggage compartment
- Wood and stone flooring available

The world is your hangar

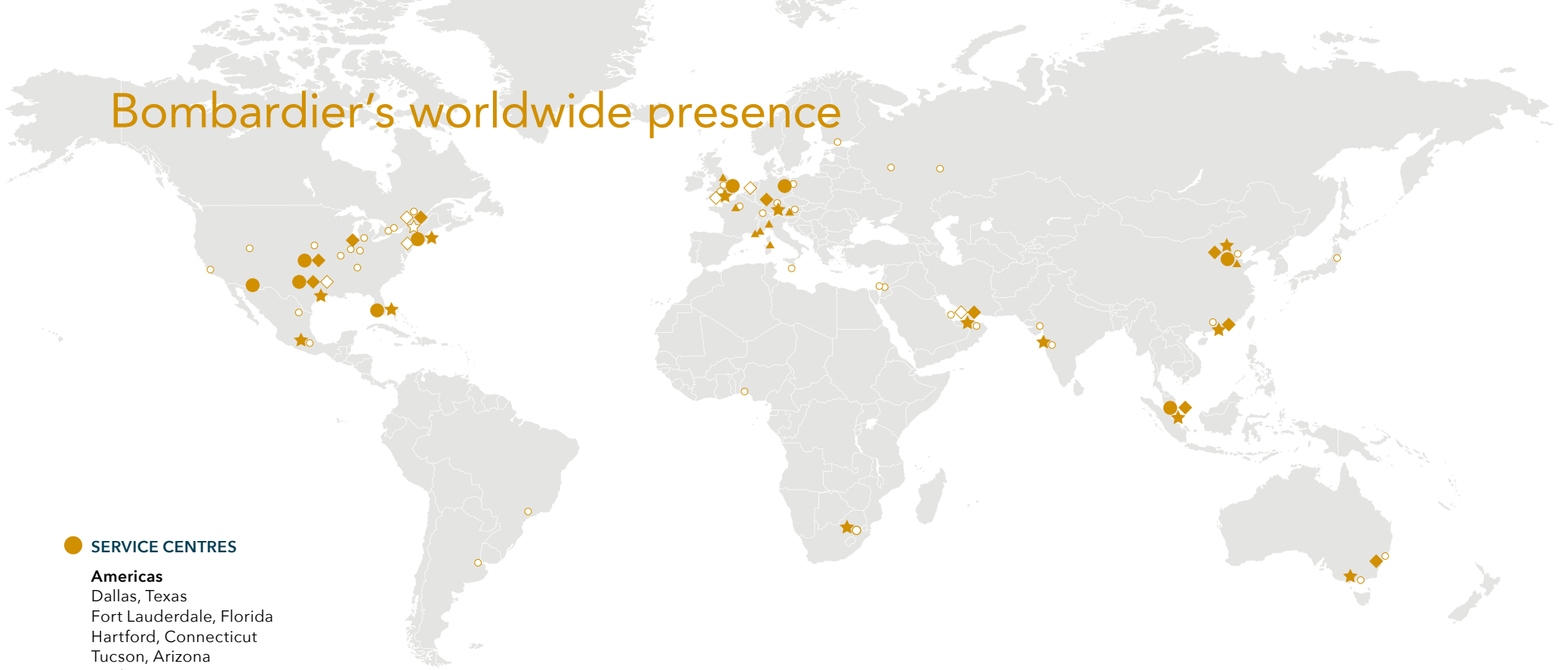
We work around the clock to keep you flying. Behind the scenes, a worldwide network of technicians and customer services representatives anticipate your every need – wherever, whenever.



Over 100 service locations and support teams to serve you, including a 24/7 Customer Response Centre • 13 Regional Support Offices worldwide • Increased global parts availability through 10 parts and component repair & overhaul facilities as well as an extensive CR&O capabilities network • Authorized flight and technical training facilities available worldwide • Over 50 maintenance facilities providing exceptional service around the world • Industry-leading cost protection with Smart Services • 30 Mobile Response Team trucks and 2 Mobile Response Team aircraft deployed



Bombardier's worldwide presence



● SERVICE CENTRES

Americas

Dallas, Texas
Fort Lauderdale, Florida
Hartford, Connecticut
Tucson, Arizona
Wichita, Kansas

Asia Pacific

Singapore, Singapore
Tianjin, China

Europe

Berlin, Germany
Biggin Hill, United Kingdom

▲ LINE MAINTENANCE STATIONS

Asia Pacific

Tianjin, China

Europe

Cannes, France
Linz, Austria
Luton, United Kingdom
Milan, Italy
Nice, France
Olbia, Italy
Paris, France

★ REGIONAL SUPPORT OFFICES

Americas

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Fort Lauderdale, Florida
Hartford, Connecticut
Toluca, Mexico

Asia Pacific

Beijing, China
Hong Kong, China
Mumbai, India
Singapore, Singapore
Melbourne, Australia

Europe

Biggin Hill, United Kingdom
Munich, Germany

Middle East / Africa

Dubai, United Arab Emirates
Johannesburg, South Africa

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◆ PARTS AND COMPONENT REPAIR & OVERHAUL FACILITIES

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Montreal, Quebec
Wichita, Kansas

Asia Pacific

Hong Kong, China
Singapore, Singapore
Sydney, Australia
Tianjin, China

Europe

Frankfurt, Germany

Middle East / Africa

Dubai, United Arab Emirates

**EXTENSIVE CR&O CAPABILITIES
NETWORK AROUND THE WORLD**



BOMBARDIER

BOMBARDIER





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