



Bombardier



Bombardier Challenger 650



# Bombardier Challenger 650



## 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 hardware 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
- Available Head-Up Display (HUD) and Enhanced Vision System (EVS)

## PERFORMANCE

### RANGE

Maximum range<sup>(1)</sup> 4,000 nm 7,408 km

### SPEED

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

### AIRFIELD PERFORMANCE

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

### OPERATING ALTITUDE

Maximum operating altitude 41,000 ft 12,497 m

## DIMENSIONS

### INTERIOR

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

### EXTERIOR

Length 68 ft 5 in 20.9 m  
 Wingspan 64 ft 4 in 19.6 m  
 Height 20 ft 8 in 6.3 m



### 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.

For more information, please visit [bombardier.com](http://bombardier.com)

The information in this document is proprietary to Bombardier Inc. or its subsidiaries. All specifications and data are approximate, may change without notice and subject to certain operating rules, assumptions and other conditions. The interior images shown are for information purposes only and may represent some optional configurations. This document does not constitute an offer, commitment, representation, guarantee or warranty of any kind and the configuration and performance of any aircraft shall be determined in a final purchase agreement. This document must not be reproduced or distributed in whole or in part to or by a third party. Bombardier shall be notified in writing of all the requests for permission to disclose. (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. MultiScan is a registered trademark of Collins Aerospace. Bombardier, Challenger, Challenger 650 and Exceptional by design are registered or unregistered trademarks of Bombardier Inc. or its subsidiaries. © 2024 Bombardier Inc. All rights reserved. Printed in Canada (04/24).

