

C Series



BOMBARDIER
the evolution of mobility

CS300

GENERAL

Flight Crew	Cabin Crew
2	3 to 5
Same type rating as CS100	

Passengers

Dual class	130 passengers (36/32 in. pitch)
Single class	140 passengers (32 in. pitch)
Maximum Capacity	160 passengers (28 in. pitch)

AVIONICS INFO

Advanced Flight Deck

- Advanced fly-by-wire with full envelope protection & speed stabilization
- Five large 15.1" LCD displays
- Side stick controls
- Cat IIIa Autoland
- Graphical flight management system
- Advanced multi-scan weather radar
- Required Navigation Performance Authorization Required (RNP AR)

Optional Features

- CAT IIIb Autoland
- Single or dual Head-Up Display system (HUD)
- Class 2 electronic flight bag
- Integrated flight information system
- SATCOM voice and data link
- Full-format printer with graphics capability
- Controller Pilot Data Link Communication (CPDLC)

ENGINE

2 Pratt & Whitney PurePower® PW1500G Engines

Thrust

PW1521G Engines	21,000 lbf.	93.4 kN
PW1524G Engines	23,300 lbf.	103.6 kN
PW1525G Engines [†]	23,300 lbf.	103.6 kN

[†] Provides up to 5% additional thrust for non-static conditions.

Flat Rating

ISA + 15.0°C

PERFORMANCE

Range (225 lb. / 102 kg per pax.)

3,300 NM	3,798 SM	6,112 km
----------	----------	----------

Speed

Maximum Cruise Speed:			
0.82 Mach	470 kts	541 mph	871 km/h
Normal Cruise Speed:			
0.78 Mach	447 kts	515 mph	829 km/h

Takeoff Field Length (ISA, SL, MTOW, Max. Thrust)

Base:	5,000 ft.	1,524 m
Max:	6,200 ft.	1,890 m

Landing Field Length¹ (ISA, SL, MLW)

Base:	4,800 ft.	1,463 m
Max:	4,950 ft.	1,509 m

CEILING

Maximum Operating Altitude

41,000 ft. / 12,497 m

NOISE LEVEL

Margin to Stage 4

Up to 20 EPNdB

EMISSIONS (MARGINS TO CAEP6)

NOx	Smoke
55%	50%
UHC (Unburned Hydrocarbons)	CO
75%	50%

EXTERNAL DIMENSIONS

Length	Wingspan
127 ft. 0 in. / 38.7 m	115 ft. 1 in. / 35.1 m
Wing Area (net)	Height
1,209 ft. ² / 112.3 m ²	37 ft. 8 in. / 11.5 m
Fuselage Max Diameter	
12 ft. 2 in. / 3.7 m	

INTERNAL DIMENSIONS

Cabin Length	Cabin Max Width (Centreline)
90 ft. 1 in. / 27.5 m	10 ft. 9 in. / 3.28 m
Cabin Width (Floor Level)	Cabin Aisle Height
10 ft. 2 in. / 3.10 m	6 ft. 11 in. / 2.11 m
Cabin Aisle Width	Seat Width (Aisle and Window)
20.0 in. / 0.51 m	18.5 in. / 0.47 m
Seat Width (Middle)	Overhead Bin Volume per Pax
19.0 in. / 0.48 m	2.5 ft. ³ / 0.07 m ³
Cargo Volume	Floor Area
1,118 ft. ³ / 31.6 m ³	903 ft. ² / 84 m ²

DOORS & EXITS

Passenger Door	LH FWD	LH AFT
Height	6 ft. 2 in. / 1.88 m	6 ft. 0 in. / 1.83 m
Width	2 ft. 8 in. / 0.81 m	2 ft. 6 in. / 0.76 m
Height to Sill	10 ft. 1 in. / 3.06 m	10 ft. 1 in. / 3.06 m
Cargo Door	FWD	AFT
Height	2 ft. 8 in. / 0.81 m	2 ft. 8 in. / 0.81 m
Width	3 ft. 8 in. / 1.12 m	3 ft. 8 in. / 1.12 m
Height to Sill	6 ft. 2 in. / 1.88 m	6 ft. 2 in. / 1.88 m
Service Door	RH FWD	RH AFT
Height	5 ft. 0 in. / 1.52 m	5 ft. 0 in. / 1.52 m
Width	2 ft. 6 in. / 0.76 m	2 ft. 6 in. / 0.76 m
Height to Sill	10 ft. 1 in. / 3.06 m	10 ft. 1 in. / 3.06 m
Overwing Exits	LH / RH	
Height	3 ft. 6 in. / 1.08 m	
Width	1 ft. 11 in. / 0.59 m	

WEIGHT

Maximum Ramp Weight	Maximum Takeoff Weight
Base 133,000 lb. / 60,328 kg	Base 132,000 lb. / 59,874 kg
Max 150,000 lb. / 68,039 kg	Max 149,000 lb. / 67,585 kg
Maximum Landing Weight	Maximum Payload
Base 124,500 lb. / 56,472 kg	Base 36,750 lb. / 16,670 kg
Max 129,500 lb. / 58,740 kg	Max 41,250 lb. / 18,711 kg
Cargo Weight	
10,700 lb. / 4,853 kg	



#FreedomNotLegacy

¹ Actual landing distance can be shorter when reduced payload and end of mission weights are considered.

Bombardier, C Series, CS300 and The Evolution of Mobility are trademarks of Bombardier Inc. or its subsidiaries.

PurePower® PW1500G, PW1521G, PW1524G and PW1525G Engines are trademarks of United Technologies Corp., Pratt & Whitney or its subsidiaries.

DISCLAIMER: The C Series aircraft are in the development phase. All data and specifications are estimates, subject to changes in family strategy, branding, capacity and performance during the development, manufacture and certification process. This document does not constitute an offer, commitment, representation, guarantee or warranty of any kind. The configuration and performance of the aircraft may differ from the image shown and, together with any related commitment, representations, guarantee or warranty, 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 requests for permission to disclose.

All rights reserved © 2016 Bombardier Inc. Printed in the UK, June 2016

Bombardier Commercial Aircraft

Email: bca.marketing@aero.bombardier.com
commercialaircraft.bombardier.com

BOMBARDIER
 the evolution of mobility