



CSERIES

Building on the Bombardier* Aerospace tradition of innovation, the CSeries* family of aircraft will revolutionize the lower end of the 100- to 149-seat commercial market.

BOMBARDIER

Bombardier CSERIES

The only family of aircraft designed to give you a quieter, greener, more comfortable, more reliable and more profitable network.

A game changer in its class.

- Optimized Family of Aircraft
- 15% Cash Operating Cost Advantage
- Unmatched Environmental Footprint Reduction
- Operational Flexibility
- Widebody Comfort
- Mature Reliability at Entry Into Service

Advanced Flight Deck

Fly-by-Wire (FBW) with Envelope Protection
Side Stick Controls
Large LCD Displays
Integrated Electronic Flight Bag (EFB)
CAT IIIA Autoland-Ready

Engines

Pratt & Whitney Geared Turbofan™ Max. Takeoff Thrust / Engine (MTOT)

CSeries 110* / 130*	21,000 lbf.	93.4 kN
CSeries 110ER* / 130XT* / 130ER*	23,300 lbf.	103.6 kN

Performance

Range (225 lb. per pax., MTOW, normal cruise)

CSeries 110 (110 pax. @ 32" pitch)	2,200 nm	4,074 km
CSeries 110ER (110 pax. @ 32" pitch)	2,950 nm	5,463 km
CSeries 130 (130 pax. @ 32" pitch)	2,200 nm	4,074 km
CSeries 130XT (130 pax. @ 32" pitch)	2,200 nm	4,074 km
CSeries 130ER (130 pax. @ 32" pitch)	2,950 nm	5,463 km

Speed (FL370, ISA)	Mach	kts	mph	km/h
Max. Cruise Speed (Mmo)	0.82	470	541	871
Normal Cruise Speed	0.78	447	515	829

Takeoff Field Length (SL, ISA, MTOW, MTOT)

CSeries 110 / 110ER	4,950 ft.	1,509 m
CSeries 130	6,240 ft.	1,872 m
CSeries 130XT	5,450 ft.	1,661 m
CSeries 130ER	6,200 ft.	1,890 m

Landing Field Length (SL, MLW)

CSeries 110 / 110ER	4,670 ft.	1,423 m
CSeries 130 / 130XT / 130ER	4,990 ft.	1,521 m

Ceiling

Max. Operating Altitude	41,000 ft.	12,497 m
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	CSeries 110	CSeries 110ER	CSeries 130	CSeries 130XT	CSeries 130ER
Emissions (margins to CAEP6)					
NOx	56%	58%	56%	58%	58%
Smoke	80%	80%	80%	80%	80%
UHC (Unburned Hydrocarbons)	85%	85%	85%	85%	85%
CO	80%	80%	80%	80%	80%

Noise Level (EPNdB)

Margin to Stage IV	----- 21 -----	----- 20 -----
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General

Flight Crew	2
Cabin Crew	2-5
Passengers	Up to 145

Dimensions

External

CSeries 110 Length	114 ft. 4 in.	34.8 m
CSeries 130 Length	124 ft. 10 in.	38.0 m
CSeries 110/130 Wing Span	115 ft. 1 in.	35.1 m
CSeries 110/130 Height	37 ft. 0 in.	11.3 m

Internal

Cabin Width	129.0 in.	327.7 cm
Seat Width (Aisle and Window)	18.5 in.	47.0 cm
Seat Width (Middle)	19.0 in.	48.3 cm
Cabin Aisle Width	20.0 in.	50.8 cm
Cabin Aisle Height	84.0 in.	213.4 cm
CSeries 110 Overhead Bin Volume Per Pax	2.5 ft. ³	0.07 m ³
CSeries 130 Overhead Bin Volume Per Pax	2.4 ft. ³	0.07 m ³
CSeries 110 Cargo Volume	819 cu.ft.	23.2 cu.m
CSeries 130 Cargo Volume	1,058 cu.ft.	30.0 cu.m

Doors & Exits

Passenger Door, Type C (LH fwd)		
Height	74.0 in.	188.0 cm
Width	34.0 in.	86.4 cm
Passenger Door, Type C (LH aft)		
Height	72.0 in.	182.9 cm
Width	30.0 in.	76.2 cm
Service Doors, Type C (RH fwd/aft)		
Height	60.0 in.	152.4 cm
Width	30.0 in.	76.2 cm
Overwing Exits, Type III (LH/RH)		
Height	40.6 in.	103.1 cm
Width	20.3 in.	51.6 cm
Cargo Door, Type C (fwd)		
Height	33.0 in.	83.8 cm
Width	50.2 in.	127.5 cm
Height to Sill	67.3 in.	170.9 cm
Cargo Door, Type C (aft)		
Height	33.0 in.	83.8 cm
Width	50.2 in.	127.5 cm
Height to Sill	71.5 in.	181.6 cm

Weights

		CSeries 110	CSeries 110ER	CSeries 130	CSeries 130XT	CSeries 130ER
MTOW	(lb.)	120,700	127,800	131,300	131,300	139,100
	(kg)	54,749	57,969	59,557	59,557	63,095
MLW	(lb.)	110,000	110,000	120,000	120,000	120,000
	(kg)	49,895	49,895	54,431	54,431	54,431
Max. Payload	(lb.)	30,800	30,800	36,500	36,500	36,500
	(kg)	13,971	13,971	16,556	16,556	16,556
Cargo Weight	(lb.)	8,190	8,190	10,580	10,580	10,580
	(kg)	3,715	3,715	4,799	4,799	4,799

Bombardier
Commercial Aircraft
P.O.Box 6087, Station Centre-Ville
Montréal, Québec, Canada
H3C 3G9

Phone: +1 (514) 855-9418
Fax: +1 (514) 855-7201
www.cseries.com

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Printed in Canada, May 2008