

# CS300

Building on the Bombardier\* Aerospace tradition of innovation, the CS300\* aircraft is optimized for the longer range, single-aisle, 120- to 145-seat market. The CSeries\* family of aircraft delivers the lowest operating cost in its class, 20% fuel burn advantage, exceptional operational flexibility, widebody comfort and an unmatched environmental scorecard.



**CSERIES**

**BOMBARDIER**

# CS300



## AVIONICS INFO

### ADVANCED FLIGHT DECK:

- Fly-by-Wire (FBW) with Envelope Protection
- Side Stick Controls
- Large LCD Displays
- CAT IIIa Autoland
- Weather Radar with Predictive Windshear
- Automatic Dependent Surveillance-Broadcast (ADS-B) Out
- Controller Pilot Data Link Communication (CPDLC) Ready

### OPTIONAL FEATURES:

- Single / Dual Head-Up Guidance System (HGS)
- Electronic Flight Bag (EFB)

## ENGINE

Type	2 Pratt & Whitney PurePower™ PW1000G** engines		
Thrust	CS300	21,000 lb.	93.4 kN
	CS300 XT	23,300 lb.	103.6 kN
	CS300 ER	23,300 lb.	103.6 kN
Flat Rating	ISA + 15.0 C		

## PERFORMANCE

### RANGE (225 LB. / 102 KG PER PAX., MTOW, NORMAL CRUISE)

	2,200 NM	2,532 SM	4,074 km
CS300 (130 pax. @ 32" pitch)			
CS300 XT (130 pax. @ 32" pitch)	2,200 NM	2,532 SM	4,074 km
CS300 ER (130 pax. @ 32" pitch)	2,950 NM	3,395 SM	5,463 km

### SPEED (FL370, ISA)

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

### TAKEOFF FIELD LENGTH (SL, ISA, MTOW, MAX. THRUST)

	6,240 ft.	1,902 m
CS300		
CS300 XT	5,450 ft.	1,661 m
CS300 ER	6,200 ft.	1,890 m

### LANDING FIELD LENGTH (SL, MLW)

CS300 / CS300 XT / CS300 ER	4,750 ft.	1,448 m
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## CEILING

Maximum Operating Altitude	41,000 ft.	12,497 m
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## NOISE LEVEL (CS300 ER)

Margin to Chapter 4	20 EPNdB
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## EMISSIONS (MARGINS TO CAEP6)

NO <sub>x</sub> - CS300	56 %
NO <sub>x</sub> - CS300 XT / ER	58 %
Smoke	80 %
UHC (Unburned Hydrocarbons)	85 %
CO	80 %

## GENERAL

Flight Crew	2
Cabin Crew	3 to 5
Passengers	Standard Configuration - 130 pax Maximum Capacity - 145 pax

## EXTERNAL DIMENSIONS

Length	124 ft.10 in.	38.0 m
Wingspan	115 ft. 1 in.	35.1 m
Wing Area (net)	1,209 ft. <sup>2</sup>	112.3 m <sup>2</sup>
Height	37 ft. 9 in.	11.5 m
Fuselage Maximum Diameter	12 ft. 2 in	3.7 m

## INTERNAL DIMENSIONS

Cabin Length	84 ft.11 in.	25.9 m
Cabin Maximum Width (Centerline)	10 ft. 9 in.	3.28 m
Cabin Width (Floor Level)	10 ft. 1 in.	3.06 m
Cabin Aisle Height	7 ft. 0 in.	2.13 m
Cabin Aisle Width	20.0 in.	0.51 m
Seat Width (Aisle and Window)	18.5 in.	0.47 m
Seat Width (Middle)	19.0 in.	0.48 m
Overhead Bin Volume per Pax	2.4 ft. <sup>3</sup>	0.07 m <sup>3</sup>
Cargo Volume	1,058 ft. <sup>3</sup>	30.0 m <sup>3</sup>
Floor Area	855 ft. <sup>2</sup>	79 m <sup>2</sup>

## DOORS & EXITS

PASSENGER DOOR	HEIGHT	WIDTH	HEIGHT TO SILL
LH FWD	6 ft. 2 in. / 1.88 m	2 ft. 8 in. / 0.81 m	10 ft. 1 in. / 3.06 m
LH AFT	6 ft. 0 in. / 1.83 m	2 ft. 6 in. / 0.76 m	10 ft. 1 in. / 3.06 m
CARGO DOOR	HEIGHT	WIDTH	HEIGHT TO SILL
FWD	2 ft. 8 in. / 0.81 m	3 ft. 8 in. / 1.12 m	6 ft. 2 in. / 1.88 m
AFT	2 ft. 8 in. / 0.81 m	3 ft. 8 in. / 1.12 m	6 ft. 2 in. / 1.88 m
SERVICE DOOR	HEIGHT	WIDTH	HEIGHT TO SILL
RH FWD	5 ft. 0 in. / 1.52 m	2 ft. 6 in. / 0.76 m	10 ft. 1 in. / 3.06 m
RH AFT	5 ft. 0 in. / 1.52 m	2 ft. 6 in. / 0.76 m	10 ft. 1 in. / 3.06 m
OVERWING EXITS	HEIGHT	WIDTH	
LH / RH	3 ft. 6 in. / 1.08 m	1 ft. 11 in. / 0.59 m	

## WEIGHTS

### MAXIMUM RAMP WEIGHT

CS300 / CS300 XT	132,800 lb.	60,238 kg
CS300 ER	140,600 lb.	63,776 kg

### MAXIMUM TAKEOFF WEIGHT

CS300 / CS300 XT	131,800 lb.	59,784 kg
CS300 ER	139,600 lb.	63,322 kg

### MAXIMUM LANDING WEIGHT

CS300 / CS300 XT / CS300 ER	122,000 lb.	55,339 kg
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### MAXIMUM PAYLOAD

CS300 / CS300 XT / CS300 ER	38,200 lb.	17,327 kg
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### CARGO WEIGHT

CS300 / CS300 XT / CS300 ER	10,580 lb.	4,799 kg
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