



world leader



CRJ Series

BOMBARDIER

CRJ900

GENERAL

Flight Crew	Cabin Crew
2	2 to 3
Same type rating across CRJ family	
Passengers	
Dual Class	81 Passengers (38/31 in. pitch)
Single Class	88 Passengers (31 in. pitch)
Maximum Capacity	90 Passengers (31 in. pitch)

AVIONICS INFO*

- Rockwell Collins Pro Line 4 with six-screen EFIS/EICAS
- Traffic alert & collision avoidance system (TCAS) v7.1
- Capabilities: Coupled VNAV, SBAS/WAAS, LPV, RNP 0.3, Link 2000+, ADS-B Out

ENGINE

2 GE CF34-8C5 turbofans

Thrust

13,360 lbf. / 59.4 kN at takeoff
14,510 lbf. / 64.5 kN thrust APR

Flat Rating

ISA + 15.0°C

PERFORMANCE

Range (225 lb. / 102 kg per pax.)	1,550 NM	1,784 SM	2,871 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)**	Base		
	5,775 ft.	1,760 m	
	Max	6,360 ft. / 1,939 m	
Landing Field Length (ISA, SL, MTOW)***	Base		
	5,260 ft.	1,603 m	
	Max	5,355 ft. / 1,632 m	

CEILING

Maximum Operating Altitude

41,000 ft. / 12,497 m

NOISE LEVEL

Flyover	Lateral
82.2 EPNdB	89.2 EPNdB
Approach	Margin to Stage 4
92.4 EPNdB	7.5 EPNdB

EMISSIONS (MARGINS TO CAEP6)

NOx	Smoke
26.6%	60.8%
UHC (Unburned Hydrocarbons)	CO
97.6%	63.7%

EXTERNAL DIMENSIONS

Length	Wingspan
118 ft. 11 in. / 36.2 m	81 ft. 7 in. / 24.9 m
Wing Area (net)	Height
765 ft. ² / 71.1 m ²	24 ft. 7 in. / 7.5 m
Fuselage Max Diameter	
8 ft. 10 in. / 2.7 m	

INTERNAL DIMENSIONS

Cabin Length	Cabin Max Width (Centreline)
69 ft. 4 in. / 21.13 m	8 ft. 4 in. / 2.55 m
Cabin Width (Floor Level)	Cabin Aisle Height
7 ft. 1 in. / 2.16 m	6 ft. 2 in. / 1.89 m
Cabin Volume	Overhead Bin Volume per Pax
2,974 ft. ³ / 84.21 m ³	1.9 ft. ³ / 0.05 m ³
Cargo Volume	Floor Area
594 ft. ³ / 16.8 m ³	486 ft. ² / 45.1 m ²

DOORS & EXITS

Passenger Door	LH FWD	
Height	5 ft. 10 in. / 1.78 m	
Width	3 ft. / 0.91 m	
Height to Sill	5 ft. 8 in. / 1.73 m	
Cargo Door	LH AFT	LH FWD (2 Doors)
Height	2 ft. 9 in. / 0.84 m	1 ft. 8 in. / 0.51 m
Width	3 ft. 7 in. / 1.09 m	3 ft. 6 in. / 1.07 m
Height to Sill	7 ft. 7 in. / 2.31 m	4 ft. 3 in. / 1.28 m
Service Door	RH FWD	
Height	4 ft. / 1.22 m	
Width	2 ft. / 0.61 m	
Height to Sill	5 ft. 8 in. / 1.73 m	
Overwing Exits	LH / RH	
Height	3 ft. 7 in. / 1.09 m	
Width	1 ft. 8 in. / 0.51 m	

WEIGHT

Maximum Ramp Weight	
Base	80,750 lb. / 36,628 kg
Max	85,000 lb. / 38,555 kg
Maximum Takeoff Weight	
Base	80,500 lb. / 36,514 kg
Max	84,500 lb. / 38,330 kg
Maximum Landing Weight	
Base	73,500 lb. / 33,340 kg
Max	75,100 lb. / 34,065 kg
Maximum Zero Fuel Weight	
Base	70,000 lb. / 31,751 kg
Max	70,750 lb. / 32,092 kg
Maximum Payload	
Base	21,840 lb. / 9,907 kg
Max	22,590 lb. / 10,247 kg
Cargo Weight	
	6,075 lb. / 2,756 kg



Scan to be taken to the CRJ Series section on the new BCA website



* Some features optional
** Normal Takeoff Thrust (NTO) + 2%
*** With reduced Vref.

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Bombardier Commercial Aircraft
Email:
bca.marketing@aero.bombardier.com
commercialaircraft.bombardier.com

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