

CRJ700

GENERAL

Flight Crew	Cabin Crew
2	2 to 3
Same type rating across CRJ family	
Passengers	
Dual Class	66 Passengers (39/31 in. pitch)
Single Class	74 Passengers (31 in. pitch)
Maximum Capacity	78 Passengers (31/30 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 CF34-8C5B1 turbofans

Thrust

12,670 lbf. / 56.4 kN at takeoff
13,790 lbf. / 61.3 kN thrust APR

Flat Rating

ISA + 15.0°C

PERFORMANCE

Range (225 lb. / 102 kg per pax.)	1,400 NM	1,611 SM	2,593 km
Speed	Maximum Cruise Speed:		
0.825 Mach	473 kts	544 mph	876 km/h
Normal Cruise Speed:			
0.78 Mach	447 kts	515 mph	829 km/h
Takeoff Field Length (ISA, SL, MTOW)	5,265 ft.		1,605 m
Landing Field Length (ISA, SL, MLW)	5,040 ft.		1,540 m

CEILING

Maximum Operating Altitude

41,000 ft. / 12,497 m

NOISE LEVEL

Flyover	Lateral
82.0 EPNdB	89.6 EPNdB
Approach	Margin to Stage 4
92.6 EPNdB	6.8 EPNdB

EMISSIONS (MARGINS TO CAEP6)

NOx	Smoke
28.8%	75.9%
UHC (Unburned Hydrocarbons)	CO
97.2%	60.5%

EXTERNAL DIMENSIONS

Length	Wingspan
106 ft. 1 in. / 32.3 m	76 ft. 3 in. / 23.2 m
Wing Area (net)	Height
760 ft. ² / 70.6 m ²	24 ft. 10 in. / 7.6 m
Fuselage Max Diameter	
8 ft. 10 in. / 2.7 m	

INTERNAL DIMENSIONS

Cabin Length	Cabin Max Width (Centreline)
56 ft. 7 in. / 17.25 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.
2,430 ft. ³ / 68.81 m ³	1.9 ft. ³ / 0.05 m ³
Cargo Volume	Floor Area
547 ft. ³ / 15.5 m ³	414 ft. ² / 38.5 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 (1 Door)
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	73,000 lb. / 33,113 kg
	Max	75,250 lb. / 34,133 kg
Maximum Takeoff Weight	Base	72,750 lb. / 32,999 kg
	Max	75,000 lb. / 34,019 kg
Maximum Landing Weight		67,000 lb. / 30,391 kg
Maximum Zero Fuel Weight		62,300 lb. / 28,259 kg
Maximum Payload		18,055 lb. / 8,190 kg
Cargo Weight		5,375 lb. / 2,438 kg



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



* Some features optional

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