

CRJ550

GENERAL

Flight Crew	Cabin Crew
2	1 to 2
Same type rating across CRJ family	

Passengers
Triple Class 50 Passengers (42/34/30 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.)
1,000 NM 1,151 SM 1,852 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)
4,056 ft. 1,236 m

Landing Field Length (ISA, SL, MLW)
4,710 ft. 1,436 m

CEILING

Maximum Operating Altitude
41,000 ft. / 12,497 m

NOISE LEVEL**

Flyover	Lateral
78.6 EPNdB	89.7 EPNdB
Approach	Margin to Stage 4
92.4 EPNdB	10.3 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	2.8 ft. ³ / 0.08 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
66,000 lb. / 29,937 kg
Maximum Takeoff Weight
65,000 lb. / 29,484 kg
Maximum Landing Weight
61,000 lb. / 27,670 kg
Maximum Zero Fuel Weight
59,000 lb. / 26,762 kg
Maximum Payload
15,545 lb. / 7,051 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

** Target noise levels

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Printed in Canada, May 2019

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