

CRJ Series



CRJ900

GENERAL

Flight Crew	Cabin Crew
2	2 to 3
Same type rating across CRJ family	
Passengers	
Up to 90	

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.)	CRJ900	CRJ900 ER	CRJ900 LR
1,070 NM	1,231 SM	1,982 km	
1,317 NM	1,516 SM	2,439 km	
1,553 NM	1,787 SM	2,876 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)**	CRJ900	CRJ900 ER	CRJ900 LR
5,775 ft.	1,760 m	6,060 ft.	1,847 m
6,360 ft.	1,939 m		

Landing Field Length (ISA, SL, MTOW)**	CRJ900	CRJ900 ER	CRJ900 LR
5,260 ft.	1,603 m	5,260 ft.	1,603 m
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	1.5 ft. ³ / 0.04 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	CRJ900	CRJ900 ER	CRJ900 LR
80,750 lb. / 36,628 kg	82,750 lb. / 37,735 kg	85,000 lb. / 38,555 kg	
Maximum Takeoff Weight	CRJ900	CRJ900 ER	CRJ900 LR
80,500 lb. / 36,514 kg	82,500 lb. / 37,421 kg	84,500 lb. / 38,330 kg	
Maximum Landing Weight	CRJ900	CRJ900 ER	CRJ900 LR
73,500 lb. / 33,340 kg	73,500 lb. / 33,340 kg	75,100 lb. / 34,065 kg	
Maximum Zero Fuel Weight	CRJ900	CRJ900 ER	CRJ900 LR
70,000 lb. / 31,751 kg	70,000 lb. / 31,751 kg	70,750 lb. / 32,092 kg	
Maximum Payload	CRJ900	CRJ900 ER	CRJ900 LR
21,840 lb. / 9,907 kg	21,840 lb. / 9,907 kg	22,590 lb. / 10,247 kg	
Cargo Weight	6,075 lb. / 2,756 kg		



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

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