

CRJ700 NextGen

Backed by popular demand, the 70-seat CRJ700* NextGen* aircraft is optimized for medium-haul regional routes. The CRJ* NextGen family of aircraft combines the lowest operating cost in its class with proven reliability, enhanced cabin comfort, fleet commonality and reduced environmental impact.



CRJ700
NextGen

BOMBARDIER

CRJ700 NextGen



AVIONICS INFO

- Rockwell Collins Pro Line 4 six-screen EFIS/EICAS
- Dual attitude heading reference systems (AHRS)
- Traffic alert & collision avoidance system (TCAS) and enhanced ground proximity warning system (EGPWS)
- Rockwell Collins digital weather radar

ENGINE

Number	2 GE CF34-8C5B1 turbofans
Thrust	12,670 lb. / 56.4 kN at takeoff 13,790 lb. / 61.3 kN thrust APR
Flat Rating	ISA + 15.0 C

PERFORMANCE

RANGE (225 LB. / 102 KG PER PAX., LRC, IFR WITH RESERVES)

CRJ700 NextGen (70 pax. @ 31" pitch)	1,302 NM	1,498 SM	2,411 km
CRJ700 NextGen ER (70 pax. @ 31" pitch)	1,590 NM	1,830 SM	2,945 km
CRJ700 NextGen LR (70 pax. @ 31" pitch)	1,840 NM	2,117 SM	3,408 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	827 km/h

TAKEOFF FIELD LENGTH (ISA, SL)

CRJ700 NextGen	5,271 ft.	1,606 m
CRJ700 NextGen ER	5,657 ft.	1,724 m
CRJ700 NextGen LR	6,072 ft.	1,851 m

LANDING FIELD LENGTH (ISA, SL)

CRJ700 NextGen	5,087 ft.	1,550 m
CRJ700 NextGen ER	5,087 ft.	1,550 m
CRJ700 NextGen LR	5,119 ft.	1,560 m

CEILING

Maximum Operating Altitude	41,000 ft.	12,497 m
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NOISE LEVEL (CRJ700 NEXTGEN ER)

Flyover	82.7 EPNdB
Lateral	89.4 EPNdB
Approach	92.6 EPNdB
Margin to Chapter 4	6.3 EPNdB

EMISSIONS (MARGINS TO CAEP4)

NO _x	32.4 %
Smoke	75.9 %
UHC (Unburned Hydrocarbons)	97.2 %
CO	60.5 %

EXTERNAL DIMENSIONS

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

GENERAL

Flight Crew	2
Cabin Crew	2 or 3
Passengers	70 (up to 78)

INTERNAL DIMENSIONS

Cabin Length	56 ft. 7 in.	17.25 m
Cabin Maximum Width (Centerline)	8 ft. 4 in.	2.55 m
Cabin Width (Floor Level)	7 ft. 1 in.	2.16 m
Cabin Aisle Height	6 ft. 2 in.	1.89 m
Cabin Volume	2,430 ft. ³	68.81 m ³
Overhead Bin Volume per Pax	1.5 ft. ³	0.04 m ³
Cargo Volume	547 ft. ³	15.5 m ³
Floor Area	414 ft. ²	36.87 m ²

DOORS & EXITS

PASSENGER DOOR	HEIGHT	WIDTH	HEIGHT TO SILL
LH FWD	5 ft. 10 in. / 1.78 m	3 ft. / 0.91 m	5 ft. 8 in. / 1.73 m
CARGO DOOR	HEIGHT	WIDTH	HEIGHT TO SILL
LH AFT	2 ft. 9 in. / 0.84 m	3 ft. 7 in. / 1.09 m	7 ft. 7 in. / 2.31 m
LH FWD (1 DOOR)	1 ft. 8 in. / 0.51 m	3 ft. 6 in. / 1.07 m	4 ft. 3 in. / 1.28 m
SERVICE DOOR	HEIGHT	WIDTH	HEIGHT TO SILL
RH FWD	4 ft. / 1.22 m	2 ft. / 0.61 m	5 ft. 8 in. / 1.73 m
OVERWING EXITS	HEIGHT	WIDTH	
LH / RH	3 ft. 7 in. / 1.09 m	1 ft. 8 in. / 0.51 m	

WEIGHTS

MAXIMUM RAMP WEIGHT

CRJ700 NextGen	73,000 lb.	33,113 kg
CRJ700 NextGen ER	75,250 lb.	34,133 kg
CRJ700 NextGen LR	77,500 lb.	35,153 kg

MAXIMUM TAKEOFF WEIGHT

CRJ700 NextGen	72,750 lb.	32,999 kg
CRJ700 NextGen ER	75,000 lb.	34,019 kg
CRJ700 NextGen LR	77,000 lb.	34,927 kg

MAXIMUM LANDING WEIGHT

CRJ700 NextGen	67,000 lb.	30,391 kg
CRJ700 NextGen ER	67,000 lb.	30,391 kg
CRJ700 NextGen LR	67,600 lb.	30,663 kg

MAXIMUM ZERO FUEL WEIGHT

CRJ700 NextGen	62,300 lb.	28,259 kg
CRJ700 NextGen ER	62,300 lb.	28,259 kg
CRJ700 NextGen LR	63,495 lb.	28,801 kg

OPERATING WEIGHT EMPTY

	43,800 lb.	19,867 kg
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MAXIMUM PAYLOAD

CRJ700 NextGen	18,500 lb.	8,391 kg
CRJ700 NextGen ER	18,500 lb.	8,391 kg
CRJ700 NextGen LR	19,695 lb.	8,934 kg

CARGO WEIGHT

	5,375 lb.	2,438 kg
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