

CRJ900 NextGen

Backed by popular demand, the 88-seat CRJ900* 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.



CRJ900
NextGen

BOMBARDIER

CRJ900 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 CF34-8C5 turbofans
Thrust	13,360 lb. / 59.4 kN at takeoff
	14,510 lb. / 64.5 kN thrust APR
Flat Rating	ISA + 15.0 C

PERFORMANCE

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

CRJ900 NextGen (88 pax. @ 31" pitch)	1,139 NM	1,311 SM	2,109 km
CRJ900 NextGen ER (88 pax. @ 31" pitch)	1,362 NM	1,567 SM	2,522 km
CRJ900 NextGen LR (88 pax. @ 31" pitch)	1,596 NM	1,836 SM	2,956 km

SPEED

Maximum Cruise Speed	0.83 Mach	476 kts	548 mph	882 km/h
Normal Cruise Speed	0.78 Mach	447 kts	515 mph	827 km/h

TAKEOFF FIELD LENGTH (ISA, SL)

CRJ900 NextGen	5,833 ft.	1,778 m
CRJ900 NextGen ER	6,108 ft.	1,862 m
CRJ900 NextGen LR	6,441 ft.	1,954 m

LANDING FIELD LENGTH (ISA, SL)

CRJ900 NextGen	5,257 ft.	1,602 m
CRJ900 NextGen ER	5,257 ft.	1,602 m
CRJ900 NextGen LR	5,349 ft.	1,630 m

CEILING

Maximum Operating Altitude	41,000 ft.	12,497 m
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NOISE LEVEL (CRJ900 NEXTGEN LR)

Flyover	83.9 EPNdB
Lateral	89.1 EPNdB
Approach	92.3 EPNdB
Margin to Chapter 4	6.3 EPNdB

EMISSIONS (MARGINS TO CAEP4)

NO _x	30.7 %
Smoke	60.8 %
UHC (Unburned Hydrocarbons)	97.6 %
CO	63.7 %

EXTERNAL DIMENSIONS

Length	118 ft. 11 in.	36.2 m
Wingspan	81 ft. 7 in.	24.9 m
Wing Area (net)	760 ft. ²	70.6 m ²
Height	24 ft. 7 in.	7.5 m
Fuselage Maximum Diameter	8 ft. 10 in.	2.7 m

GENERAL

Flight Crew	2
Cabin Crew	2 or 3
Passengers	88 (up to 90)

INTERNAL DIMENSIONS

Cabin Length	69 ft. 4 in.	21.13 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	2,974 ft. ³	84.21 m ³
Overhead Bin Volume per Pax	1.5 ft. ³	0.04 m ³
Cargo Volume	594 ft. ³	16.8 m ³
Floor Area	485.8 ft. ²	45.13 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 (2 DOORS)	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

CRJ900 NextGen	81,000 lb.	36,742 kg
CRJ900 NextGen ER	83,000 lb.	37,649 kg
CRJ900 NextGen LR	85,000 lb.	38,555 kg

MAXIMUM TAKEOFF WEIGHT

CRJ900 NextGen	80,500 lb.	36,514 kg
CRJ900 NextGen ER	82,500 lb.	37,421 kg
CRJ900 NextGen LR	84,500 lb.	38,330 kg

MAXIMUM LANDING WEIGHT

CRJ900 NextGen	73,500 lb.	33,340 kg
CRJ900 NextGen ER	73,500 lb.	33,340 kg
CRJ900 NextGen LR	75,100 lb.	34,065 kg

MAXIMUM ZERO FUEL WEIGHT

CRJ900 NextGen	70,000 lb.	31,751 kg
CRJ900 NextGen ER	70,000 lb.	31,751 kg
CRJ900 NextGen LR	70,600 lb.	32,032 kg

OPERATING WEIGHT EMPTY

	47,700 lb.	21,636 kg
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MAXIMUM PAYLOAD

CRJ900 NextGen	22,300 lb.	10,115 kg
CRJ900 NextGen ER	22,300 lb.	10,115 kg
CRJ900 NextGen LR	23,050 lb.	10,455 kg

CARGO WEIGHT

	6,075 lb.	2,756 kg
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