world leader

CRJ Series
### General

**Flight Crew**
- 2
**Cabin Crew**
- 2 to 3

Same type rating across CRJ family

**Passengers**
- Dual Class: 81 Passengers (38/31 in. pitch)
- Single Class: 88 Passengers (31 in. pitch)
- Maximum Capacity: 90 Passengers (31 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

### Avionics Info*

- **NOISE LEVEL**
  - **Flyover**
    - 82.2 EPNdB
  - **Approach**
    - 92.4 EPNdB
  - **Margin to Stage 4**
    - 7.5 EPNdB

- **EMISSIONS (MARGINS TO CAEP6)**
  - **NOx**
    - 26.6%
  - **Smoke**
    - 60.8%
  - **CO**
    - 63.7%
  - **UHC (Unburned Hydrocarbons)**
    - 97.6%

### 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.)**
  - 1,550 NM / 1,784 SM / 2,871 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)
  - 5,820 ft. / 1,770 m

**Landing Field Length**
- (ISA, SL, MTOW)
  - 5,360 ft. / 1,630 m

### Ceiling

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

### Noise Level

- **Flyover**
  - 82.2 EPNdB
- **Approach**
  - 92.4 EPNdB
- **Margin to Stage 4**
  - 7.5 EPNdB

### Emissions (Margins to CAEP6)

- **NOx**
  - 26.6%
- **Smoke**
  - 60.8%
- **CO**
  - 63.7%
- **UHC (Unburned Hydrocarbons)**
  - 97.6%

### External Dimensions

- **Length**
  - 118 ft. 11 in. / 36.2 m
- **Wing Area (net)**
  - 765 ft.² / 711 m²
- **Fuselage Max Diameter**
  - 8 ft. 10 in. / 2.7 m

### Internal Dimensions

- **Cabin Length**
  - 69 ft. 4 in. / 21.13 m
- **Cabin Width (Floor Level)**
  - 7 ft. 1 in. / 2.16 m
- **Cabin Volume**
  - 2,974 ft.³ / 84.21 m³
- **Cargo Volume**
  - 594 ft.³ / 16.8 m³

### Doors & Exits

- **Passenger Door**
  - LH FWD
- **Cabin Max Width** (Centriline)
  - 8 ft. 4 in. / 2.55 m
- **Cabin Aisle Height**
  - 6 ft. 2 in. / 1.89 m
- **Overhead Bin Volume per Pax**
  - 1.9 ft.³ / 0.05 m³
- **Floor Area**
  - 486 ft.² / 45.1 m²

### Weight

- **Maximum Ramp Weight**
  - Base 80,750 lb. / 36,628 kg
  - Max 85,000 lb. / 38,555 kg
- **Maximum Takeoff Weight**
  - Base 80,500 lb. / 36,514 kg
  - Max 84,500 lb. / 38,330 kg
- **Maximum Landing Weight**
  - Base 73,500 lb. / 33,340 kg
  - Max 75,100 lb. / 34,065 kg
- **Maximum Zero Fuel Weight**
  - Base 70,000 lb. / 31,751 kg
  - Max 70,750 lb. / 32,092 kg
- **Maximum Payload**
  - Base 21,840 lb. / 9,907 kg
  - Max 22,590 lb. / 10,247 kg
- **Cargo Weight**
  - 6,075 lb. / 2,756 kg

* Some features optional

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