world leader

CRJ Series
CRJ1000

**GENERAL**

- **Flight Crew**: 2
- **Cabin Crew**: 2 to 3
- **Passengers**: Dual Class - 97 Passengers (38/31 in. pitch), Single Class - 100 Passengers (31 in. pitch), Maximum Capacity - 104 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

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**ENGINE**

- 2 GE CF34-8C5A1 turbofans
- **Thrust**: 13,630 lbf. / 60.6 kN at takeoff
- **Flat Rating**: ISA + 15.0°C

**PERFORMANCE**

- **Range**: (225 lb. / 102 kg per pax.) 1,650 NM, 1,900 SM, 3,056 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)**: 6,670 ft. / 2,030 m
- **Landing Field Length (ISA, SL, MLW)**: 5,740 ft. / 1,750 m

**EXTERNAL DIMENSIONS**

- **Length**: 128 ft. 5 in. / 39.1 m
- **Wing Area (net)**: 835 ft.² / 77.4 m²
- **Fuselage Max Diameter**: 8 ft. 10 in. / 2.7 m

**INTERNAL DIMENSIONS**

- **Cabin Length**: 77 ft. 6 in. / 23.60 m
- **Cabin Width (Floor Level)**: 7 ft. 1 in. / 2.16 m
- **Cabin Volume**: 3,320 ft.³ / 94.01 m³
- **Cabin Max Width (Centreline)**: 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
- **Cargo Volume**: 683 ft.³ / 19.4 m³
- **Floor Area**: 541 ft.² / 50.3 m²

**CEILING**

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

**NOISE LEVEL**

- **Flyover**: 84.7 EPNdB
- **Approach**: 93.3 EPNdB
- **Lateral**: 89.4 EPNdB
- **Margin to Stage 4**: 4.7 EPNdB

**EMISSIONS (MARGINS TO CAEP6)**

- NOx: 25.6%
- UHC (Unburned Hydrocarbons): 97.7%
- Smoke: 52.8%
- CO: 64.8%

**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
  - Width: 3 ft. 7 in. / 1.09 m
  - Height to Sill: 2 ft. 7 in. / 0.84 m
- **Service Door**: RH FWD
  - Height: 4 ft. / 1.22 m
  - Width: 2 ft. / 0.61 m
  - Height to Sill: 2 ft. 6 in. / 0.76 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**: Base 86,468 lb. / 39,222 kg, Max 92,300 lb. / 41,867 kg
- **Maximum Takeoff Weight**: Base 85,968 lb. / 38,995 kg, Max 91,800 lb. / 41,640 kg
- **Maximum Landing Weight**: 81,500 lb. / 36,968 kg
- **Maximum Zero Fuel Weight**: 77,500 lb. / 35,154 kg
- **Maximum Payload**: 26,380 lb. / 11,966 kg
- **Cargo Weight**: 7,180 lb. / 3,257 kg

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