world leader

CRJ Series
**CRJ1000**

### GENERAL

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**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

### Passenger
- Dual Class: 97 passengers (38/31 in. pitch)
- Single Class: 100 passengers (31 in. pitch)
- Maximum Capacity: 104 passengers (31 in. pitch)

### Engine
- 2 GE CF34-8C5A1 turbofans
- Thrust:
  - Takeoff: 13,630 lbf / 60.6 kN
  - APR: 14,510 lbf / 64.5 kN
- Flat Rating: ISA + 15.0°C

### Performance
- Range (225 lb / 102 kg pax):
  - Base: 1,650 NM
  - Max: 1,900 SM
  - Max: 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

### Ceiling
- Maximum Operating Altitude: 41,000 ft / 12,497 m

### NOISE LEVEL
- Flyover:
  - EPNdB: 84.7
- Approach:
  - EPNdB: 93.3
- Margin to Stage 4:
  - EPNdB: 4.7

### Emissions (Margins to CAEP6)
- NOx: 25.6%
- UHC (Unburned Hydrocarbons): 97.7%
- Smoke: 52.8%
- CO: 64.8%

### External Dimensions
- Length: 128 ft 5 in. / 39.1 m
- Wing Area (net): 833 ft² / 77.4 m²
- Fuselage Max Diameter: 8 ft 10 in. / 2.7 m
- Wingspan: 85 ft 11 in. / 26.2 m
- Height: 24 ft 6 in. / 7.5 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 ft³ / 94.01 m³
- Cargo Volume:
  - 683 ft³ / 19.4 m³
- Cabin Max Width (Centreline):
  - 8 ft 4 in. / 2.55 m
- Cabin Aisle Width:
  - 6 ft 2 in. / 1.89 m
- Overhead Bin Volume per Pax:
  - 1.9 ft³ / 0.05 m³
- Floor Area:
  - 541 ft² / 50.3 m²

### DOORS & EXITS
- Passenger Door:
  - LH FWD
- Cargo Door:
  - LH AFT
  - LH FWD (2 Doors)
- Service Door:
  - RH FWD
- Overwing Exit:
  - LH / RH

### 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

* Some features optional

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