



**SUKHOI** SUPERJET 100

In Partnership with Alenia Aermacchi

**SUPERIORITY**  
**THE NEW BENCHMARK**  
**SSJ100/95**



# SUKHOI SUPERJET 100 (SSJ100/95)

## Capacity

Flight Crew	2
Minimum Cabin Crew	2
Passengers	98 (up to 108)

## Engines

Type	2 PowerJet SaM146 turbofans
Thrust	15,400 (68.5 KN) to 16,100 (71.6 KN) at NTO 17,500 (77.9 KN) to 17,800 (79.2 KN) with APR
Flat Rating	86° F (ISA +15° C)

## Avionics

- Thales avionics suite based on Integrated Modular Avionics (IMA)
- Full digital Fly-By-Wire (FBW) flight control system with envelope protection
- Side-stick controls
- User-friendly dark-and-quiet cockpit design with five large LCD screens
- Aircraft Communications Addressing and Reporting System (ACARS)
- Avionics Full-Duplex Switched Ethernet (AFDX)
- Reduced Vertical Separation Minimum (RVSM)
- Instrument Landing System (ILS) CAT IIIA
- Second generation Terrain and Traffic Collision Avoidance System (T2CAS)
- Optional Weather Radar with Predictive Windshear System (WXR/PWS)
- Optional dual Electronic Flight Bags (EFBs)

## Range<sup>1</sup>

SSJ100/95B (98 pax @ 32" pitch)	1,645 nm	3,048 km
SSJ100/95LR (98 pax @ 32" pitch)	2,470 nm	4,578 km

<sup>1</sup> Pax with bags @ 220 lb (100 kg), LRC, ISA, zero wind, typical reserve policy.

## Speed

Maximum cruise speed	0.81 Mach	534 mph	860 kmh
Typical cruise speed	0.78 Mach	515 mph	830 kmh

## Airfield Performance

### SSJ100/95B

Takeoff field length (MTOW)	5,679 ft	1,731 m
Landing field length (MLW)	5,348 ft	1,630 m

### SSJ100/95LR

Takeoff field length (MTOW)	6,732 ft	2,052 m
Landing field length (MLW)	5,348 ft	1,630 m

## Ceiling

Maximum operating altitude	40,000 ft	12,192 m
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## Noise Level

Flyover	80.6 EPNdB
Lateral	89.7 EPNdB
Approach	91.7 EPNdB
Margin to ICAO Stage IV	13.2 EPNdB

## Configurations

### Standard Dual Class

87 pax  
(12C/75Y @ 38"/31" pitch)



### Standard Single Class

98 pax  
(98Y @ 32" pitch)



## External Dimensions

Overall length	98 ft 2 in	29.94 m
Tail height	33 ft 8 in	10.28 m
Wingspan	91 ft 2 in	27.80 m

## Internal Dimensions

Cabin length	67 ft 11 in	20.42 m
Cabin aisle height	6 ft 11 in	2.12 m
Cabin width (floor level)	9 ft 11 in	3.00 m
Cabin width (centerline)	10 ft 7 in	3.24 m
Cabin aisle width	20.0 in	0.51 m
Seat width	18.1 in	0.46 m
Overhead bin volume per pax	2.1 ft³	0.06 m³
Cargo volume per pax	7.8 ft³	0.22 m³

## Doors

### Passenger Door (LH, fwd)

Height	6 ft 0 in	1.83 m
Width	2 ft 9 in	0.86 m

### Passenger Door (LH, aft) & Service Doors (RH, fwd; RH, aft)

Height	5 ft 4 in	1.65 m
Width	2 ft 5 in	0.76 m

### Cargo Doors (RH, fwd; RH, aft)

Height	2 ft 11 in	0.89 m
Width	4 ft 0 in	1.22 m

## Weights

### Maximum Takeoff Weight (MTOW)

SSJ100/95B	101,150 lb	45,880 kg
SSJ100/95LR	109,019 lb	49,450 kg

### Maximum Landing Weight (MLW)

SSJ100/95B	90,390 lb	41,000 kg
SSJ100/95LR	90,390 lb	41,000 kg

### Maximum Zero Fuel Weight (MZFW)

SSJ100/95B	88,185 lb	40,000 kg
SSJ100/95LR	88,185 lb	40,000 kg

### Maximum Fuel Capacity

SSJ100/95B	4,175 US gal	15,805 l
SSJ100/95LR	4,175 US gal	15,805 l

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