



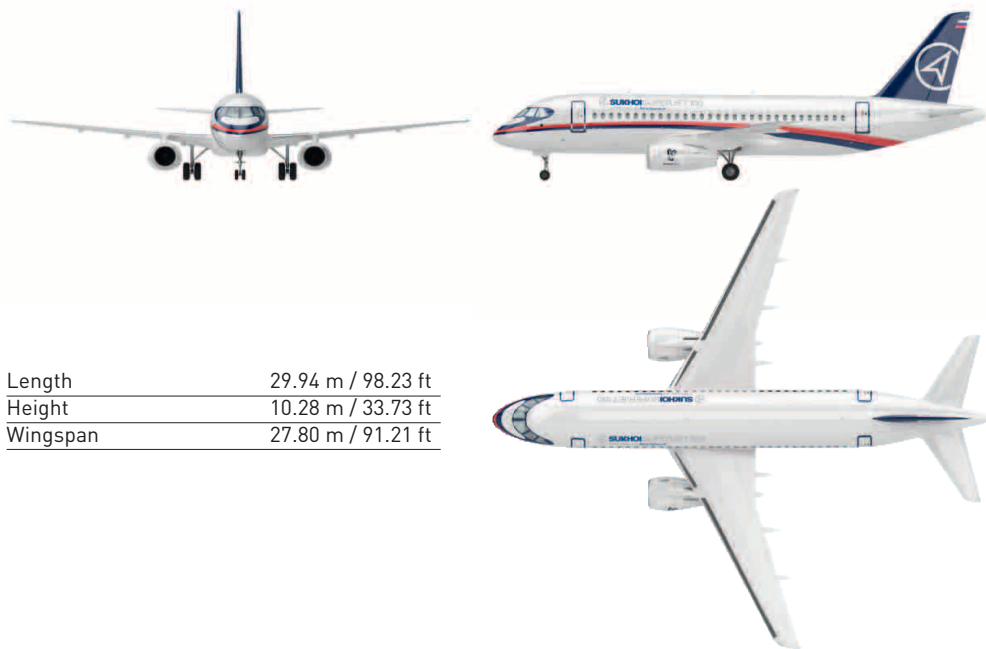
SUKHOI SUPERJET 100

In Partnership with Alenia Aermacchi

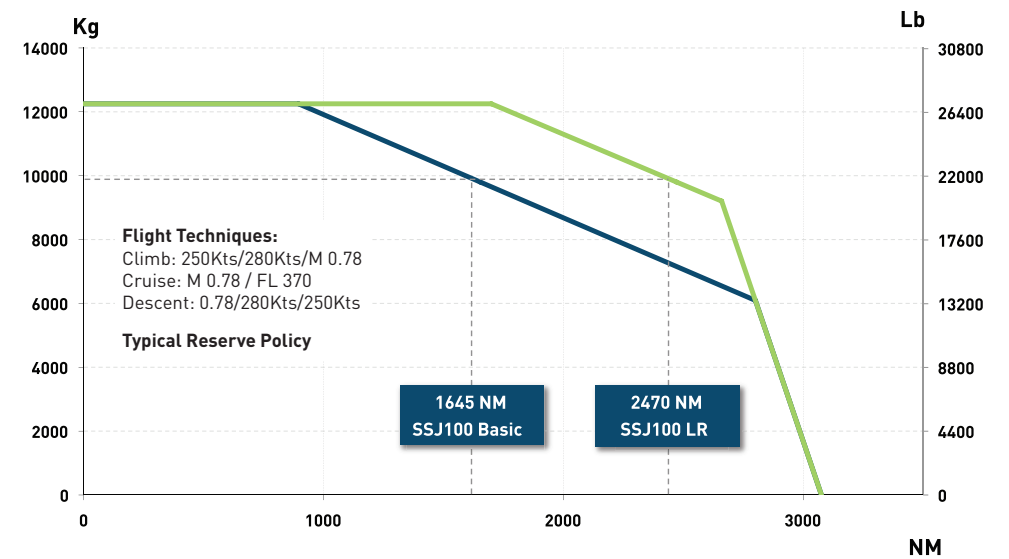
SUPERIORITY
THE NEW BENCHMARK



Three View Drawing



Payload – Range



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Weights

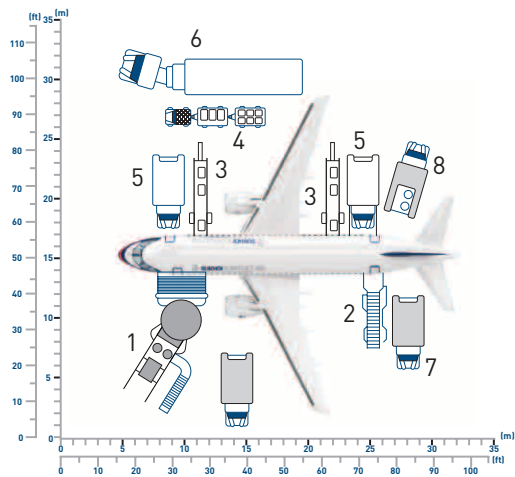
	SSJ100 Basic	SSJ100 LR
Passengers (Standard Single Class @ 32" seat pitch)	98	98
Abreast	2 + 3	2 + 3
Maximum Takeoff Weight (MTOW), kg / lb	45,880 / 101,150	49,450 / 109,019
Maximum Payload, kg / lb	12,245	12,245
Maximum Landing Weight (MLW), kg / lb	41,000 / 90,390	41,000 / 90,390
Maximum Zero Fuel Weight (MZFW), kg / lb	40,000 / 88,185	40,000 / 88,185
Maximum Fuel Weight, kg / lb	12,690 / 27,976	12,690 / 27,976

Performance

	SSJ100 LR	SSJ100
Engine	SaM, 146 - 1517	SaM, 146 - 1518
Thrust Class (APR SLS/ISA+15°C), lb	17,300	17,800
Take-off Thrust (NTO SLS/ISA), lb	15,400	16,100
Range, nm	1,645	2,470
Maximum Cruise Speed, Mach	0.81	0.81
Maximum Flight Level	400	400
Time to Climb to FL 300, min	12	12
Take-off Field Length @MTOW (ISA, SL), m / ft	1,731 / 5,679	2,052 / 6,732
Take-off Field Length @500NM (ISA, SL, 98 Pax), m / ft	1,390 / 4,558	1,390 / 4,558

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Separated passengers and baggage movement to reduce TAT



- 1 – Passenger loading bridge
- 2 – Passenger ramp
- 3 – Cargobelt loader
- 4 – Baggage cart
- 5 – Catering truck
- 6 – Fueling truck
- 7 – Potable water
- 8 – Waste water

Reduced main LG wheel track and base facilitates operations in small airports



Aft Cargo door height	Between 1.48 m and 1.68 m
Main LG wheel base	11.24 m
Main LG wheel track	5.74 m

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Baggage capabilities

	SSJ100	E190	CRJ900NG	CRJ 1000
OVH Bin Cross Section	0,207 m ² + 0,139 m ²	2 * 0,131 m ²	2* 0,104 m ²	2* 0,104 m ²
OVH Bin Volume (m ³ / ft ³)	5,62 m ³ / 198,4 ft ³	5,3 m ³ / 186,1 ft ³	4,29 m ³ / 151,5 ft ³	4,66 m ³ / 164,5 ft ³
Cargo Compartment Height (mm / in)	1,016 mm / 40 in	940 mm / 37 in	560 mm / 22 in	560mm / 22 in
Cargo Volume (m ³ / ft ³)	21,7 m ³ / 768,5 ft ³	21,9 m ³ / 772 ft ³	16,8 m ³ / 593,5 ft ³	17,5 m ³ / 619,3 ft ³
Volume Per Pax (m ³ / ft ³)	0,28 m ³ / 9,866 ft ³	0,27 m ³ / 9,776 ft ³	0,20 m ³ / 7,302 ft ³	0,22 m ³ / 7,997 ft ³

Flexible configuration

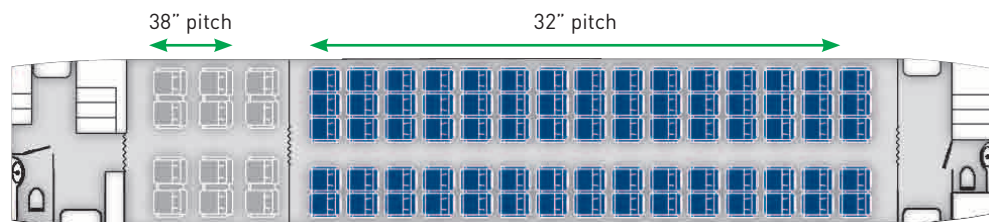
Dual Class
88 Pax
(8C/80Y @ 38"/32")



Standard Single Class
98 Pax
(98Y @ 32")



Cabin configuration – layout of passengers double class 87 seats @ 38", 32"

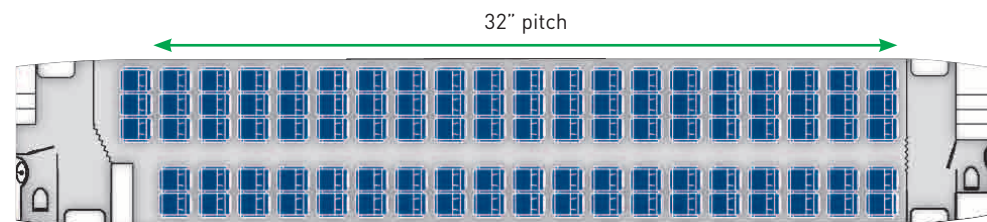


Interior Items		Q.ty
G1 -	FWD Galley (Wet & Powered)	1
G2 -	AFT (Wet & Powered)	1
G4 -	FWD (Dry & Powered)	1
L -	Lavatory	2
S -	Wardrobe / Stowage	2

(**) = Std Container location can accommodate ice drawer

Galley Details		G1	G2	G4(*)
Inserts	Half-Size Trolley	2	-	-
	Full-Size Trolley	-	3	3
	Standard Container(**)	2	4	6
	Oven (32 Portions)	-	2	1
	Beverage Maker	1	2	-
Miscellaneous Stowage		1	-	2

Cabin configuration – layout of passengers accommodation 98 seats @ 32"

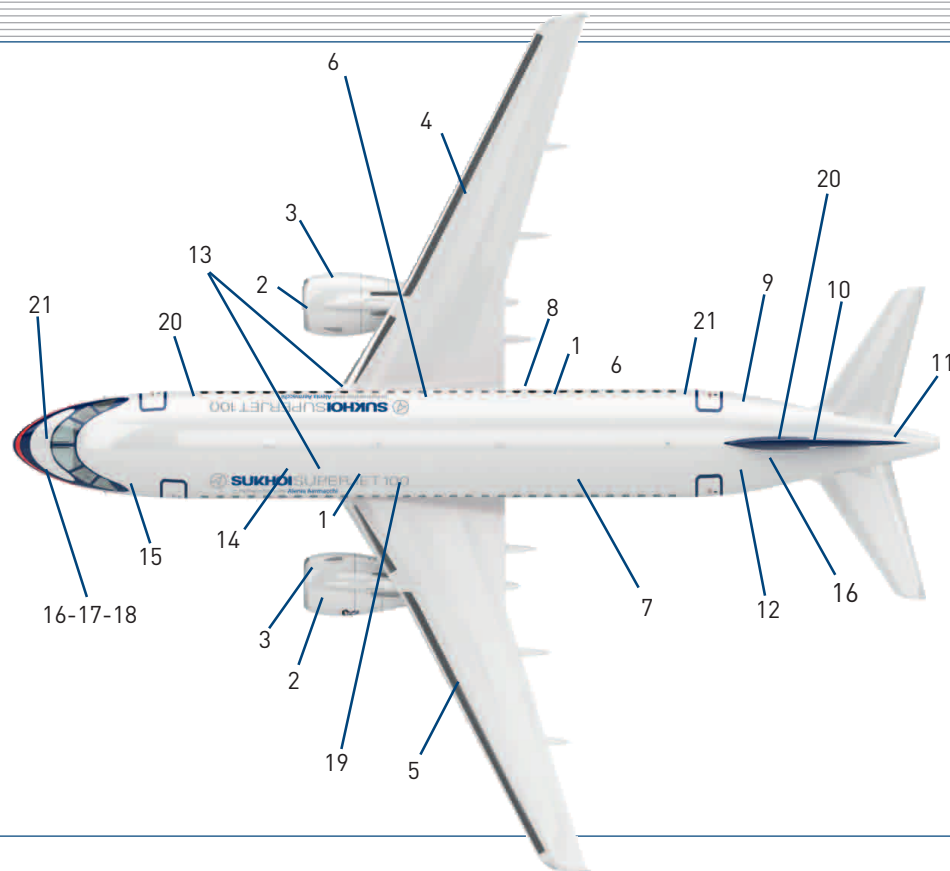


Interior Items		Q.ty
G1 -	FWD Galley (Wet & Powered)	1
G2 -	AFT (Wet & Powered)	1
L -	Lavatory	2
S -	Wardrobe / Stowage	1

(*) = Galleys' Inserts are BFE and 'ATLAS' Standard

Galley Details		G1	G2
Inserts	Half-Size Trolley	2	-
	Full-Size Trolley	-	3
	Standard Container(**)	2	4
	Oven (32 Portions)	-	2
	Beverage Maker	1	2
Miscellaneous Stowage		1	-

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Ground service connections

- | | | | |
|----|--|----|--|
| 1 | Ground HP air start connector | 11 | APU oil filling connector |
| 2 | IDG oil filling connector | 12 | Potable water service panel |
| 3 | Engine oil filling connector | 13 | Brake system hydraulic accumulators charging ports |
| 4 | Pressure fueling coupling | 14 | LP conditioned air connector |
| 5 | Pressure fueling coupling (optional) | 15 | Oxygen refill connector |
| 6 | Fueling control panel | 16 | Ground crew communication connectors |
| 7 | 1° hydraulic system service panel, hydraulic fluid drain connector and 1°, 2° and 3° bootstrap reservoirs top-up connector | 17 | Ground electrical power panel |
| 8 | 3° hydraulic system service panel and hydraulic fluid drain connector | 18 | FWD ground service panel |
| 9 | Waste service panel | 19 | Landing gear doors closing button |
| 10 | 2° hydraulic system service panel and hydraulic fluid drain connector | 20 | Water drain ports |
| | | 21 | Ground ports |

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