

*STAVATTI*  
*SM-920*



*SINGLE AISLE AIRLINER*

# SM-920 *Narrowbody Commercial Airliner*

# Performance & Specifications

BASE FLYWAY COST: CONTACT STAVATTI

AVAILABILITY: TBD

## TYPE

Next Generation Twin Engine Medium Range Single Aisle Narrowbody Commercial Airliner

## FLIGHT CREW

Flight Crew: 2 Flight Attendants: 3 to 6

## PASSENGER CONFIGURATIONS

204 Passengers in an All-Economy Class Arrangement with 32 in Seat Pitch  
 187 Passengers in a Business/Economy Two Class Arrangement (20/156 Passengers)  
 180 Passengers in a First/Economy Two Class Arrangement (12/156 Passengers)  
 162 Passengers in a Premium-Economy Class Arrangement with 38 in Seat Pitch

## POWERPLANTS

Two (2) CFM LEAP 1A32 Turbofans Delivering 32,900 lbs st; Total Aircraft sl st of 65,800 lbs

## STRUCTURE

Semi-monocoque aluminum lithium foam metal sandwich construction throughout with three titanium sine-wave spars in the cantilever wings and empennage. Titanium metal ceramics (cermets) used in high temperature regions.

## EXTERIOR DIMENSIONS

Wingspan 124 ft 0 in  
 Length 150 ft 0 in  
 Height 43 ft 4 in  
 Wing Area 1,500 sq ft

## INTERIOR DIMENSIONS

Cabin Length 118 ft 5 in  
 Cabin Width-Max 13 ft 8 in  
 Cabin Height-Max 7 ft 6 in  
 Cabin Floor Area 1,519 sq ft

## WEIGHTS & CAPACITIES

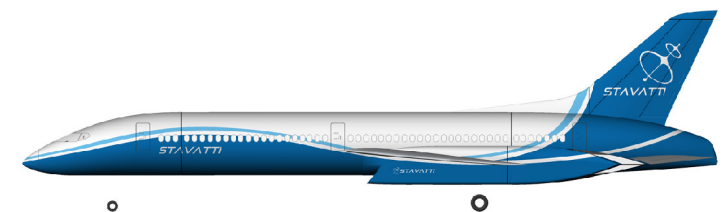
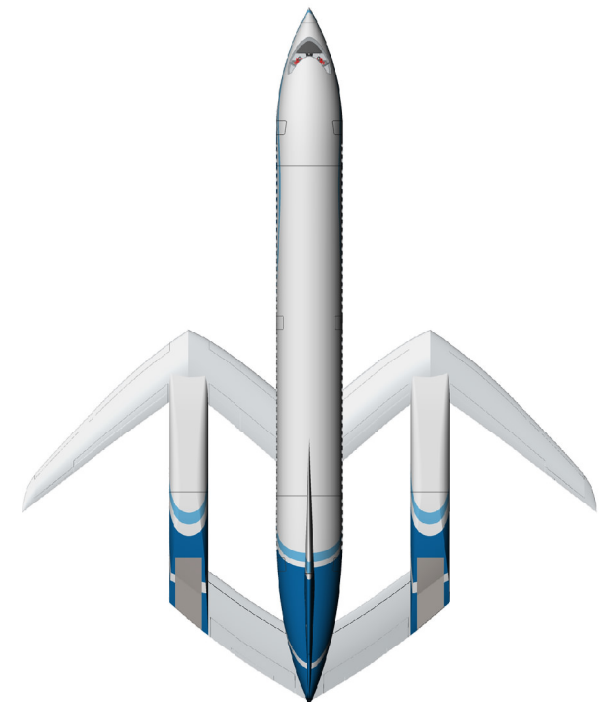
Empty Weight 100,500 lbs  
 Max Internal Fuel 45,000 lbs  
 Payload with Max Fuel 42,500 lbs  
 Useful Load 89,500 lbs  
 Max Take-Off Weight (MTOW) 190,000 lbs

## LOADINGS

Wing Loading @ MTOW (lbs/sq ft) 127  
 Thrust-to-Weight @ MTOW (lbs/st) 0.35  
 Limit Load Factor @ MTOW 2.50  
 Ultimate Load Factor@ MTOW 3.75

## PERFORMANCE\*

Max Level Speed @ FL400	0.95 Mach	Stall Speed; TLW, SL	106 KTAS
Max Level Speed @ FL350	0.95 Mach	Max Initial Rate-of Climb @ SL	10,019 ft/min
Max Level Speed @ FL300	0.95 Mach	Range @ 0.85 Mach/FL350	3,552 nm
Max Range Speed @ FL400	0.85 Mach	Range @ 0.90 Mach/FL400	3,389 nm
Max Range Speed @ FL350	0.85 Mach	Range @ 0.93 Mach/FL450	2,985 nm
Max Range Speed @ FL300	0.85 Mach	Service Ceiling	45,000 ft
Takeoff Speed; MTOW, SL	157 KTAS	Take-Off Distance over 50 ft Obstacle	5,520 ft
Approach Speed; TLW, SL	122 KTAS	Landing Distance over 50 ft Obstacle	2,208 ft



\*Performance at MTOW with ISA Conditions unless specified. Ranges are with 45 min IFR reserves.