STAVATTI" SM-315 STILETTO





Performance & Specifications

FLYAWAY COST: \$23 Million Typical Flyaway

AVAILABILITY: TBD

176 sq ft

TYPE

Light Fighter (LF), Air Defense Fighter (ADF) and Armed Reconnaissance (AR) Aircraft

ACCOMMODATION

Flight Crew of One Seated on a Martin Baker MK16E or MK18 Zero-Zero Ejection Seat

POWERPLANT

One (1) Motor Sich AI-322-30F Derivative Afterburning Turbofan delivering 11,023 lbs st with Afterburner and 6,613 lbs st at Military Power. The powerplant is fitted with variable geometry, thrust vectoring and reversing 2D nozzle.

STRUCTURE

Semi-monocoque aluminum lithium and aluminum honeycomb sandwich construction throughout. Titanium used in high fatigue areas and high temperature regions. Extensive use of Laser and Friction Stir Welding in all assemblies.

ARMAMENT

Fixed: One fuselage mounted M61A2 20mm gatling cannon with 500 rds Expendable: Internal Weapons Bay and six external wing hardpoints for up to 7,100 lbs of external stores

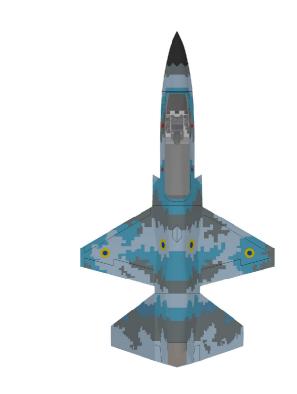
DIMENSIONS

Wingspan

Length Overall	41 ft 8 in	Wheelbase	15 ft 8 in
Height Overall	9 ft 0 in	Wheeltrack	10 ft 8 in
WEIGHTS & CAPACITIES		LOADINGS	
Empty Weight	8,500 lbs	Wing Loading @ MMW (lbs/sq ft) Thrust-to-Weight @ MMW Wing Loading @ MTOW (lbs/sq ft) Thrust-to-Weight @ MTOW Positive Load Limit @ MTOW	63.8
Max Internal Fuel	3,800 lbs		0.98
Max Payload	7,700 lbs		113.6
Mid-Mission Weight (MMW)	11,236 lbs		0.55
Max Take-Off Weight (MTOW)	20,000 lbs		9.0
PERFORMANCE			
Max Level Speed @ SL	1.23 Mach	Max Climb Rate @ SL; MTOW	18,998 ft/min
Max Level Speed @ FL350	1.60 Mach	Max Climb Rate @ SL; MMW	34,623 ft/min

24 ft 0 in Wing Area







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