STANTING STATE STA

Powered by F125X



STAVATTI AEROSPACE • 9400 Porter Road, Niagara Falls, NY 14304 USA • TEL: (651) 238-5369 • email: stiletto@stavatti.com • http://www.stavatti.com



Performance & Specifications

FLYAWAY COST: \$18 Million Typical Flyaway

AVAILABILITY: TBD

176 sq ft

15 ft 8 in

0.60

TYPE

Advanced Pilot Trainer (APT), Supersonic Trainer (ST) and Light Fighter (LF)

ACCOMMODATION

Flight Crew of Two Seated in Tandem on Martin Baker MK16E or MK18 Zero-Zero Ejection Seats

POWERPLANT

One (1) Honeywell F125X Derivative Afterburning Turbofan delivering 12,250 lbs st with Afterburner and 8,120 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

41 ft 8 in

DIMENSIONS

Wingspan Length Overall

Height Overall	9 ft 0 in	Wheeltrack	10 ft 8 in
WEIGHTS & CAPACITIES		LOADINGS	
Empty Weight	8,700 lbs	Wing Loading @ MMW (lbs/sq ft)	65.3
Max Internal Fuel	3,800 lbs	Thrust-to-Weight @ MMW	1.07
Max Payload	8 000 lbs	Wing Loading @ MTOW (lbs/sq.ft)	116 5

Wing Area

Wheelbase

11,500 lbs Thrust-to-Weight @ MTOW

20,500 lbs Positive Load Limit @ MTOW

PERFORMANCE

Mid-Mission Weight (MMW)

Max Take-Off Weight (MTOW)

Service Ceiling Exceeds 50,000 ft Landing, BFL @ SL-TLW 2,218 ft	Approach Speed; Landing Weight @ SL 127 Ktas Takeoff, BFL @ SL-TTW 2,045 Stall Speed; Landing Weight @ SL 106 Ktas Landing, Ground Roll @ SL-TLW 1,490	Stall Speed; Landing Weight @ SL	106 Ktas	Landing, Ground Roll @ SL-TLW	39,554 ft/mir 220 nm 103 nm 1,327 nm 452 nm 1,982 nm 1,370 ft 2,045 ft 1,490 ft
--	--	----------------------------------	----------	-------------------------------	---





