# STANATTI" SM-815 STILETTO



Powered by

F125XX

ADVANCED LIGHT FIGHTER



# Performance & Specifications

FLYAWAY COST: CONTACT STAVATTI AVAILABILITY: TBD

# **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 MK 18 Zero-Zero Ejection Seat

### **POWERPLANT**

One (1) Honeywell F125XX Afterburning Turbofan delivering 7,263 kgf st with Afterburner and 5,220 kgf 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.

Wing Area Wheelbase

18,288 m Landing, BFL @ SL-TLW

# **ARMAMENT**

Fixed: One fuselage mounted M61A2 20mm gatling cannon with 500 rds Expendable: Internal Weapons Bay and six external wing hardpoints for up to 3,223 kg of external stores

12 70 m

### **DIMENSIONS**

Length Overall

Service Ceiling Exceeds

Wingspan

Height Overall	2.74 m	Wheeltrack	3.25 m
WEIGHTS & CAPACITIES		LOADINGS	
Empty Weight Max Internal Fuel Max Payload Mid-Mission Weight (MMW) Max Take-Off Weight (MTOW)	3,858 kg 1,725 kg 3,495 kg 4,993 kg 9,078 kg	Wing Loading @ MMW (kg/sq m) Thrust-to-Weight @ MMW Wing Loading @ MTOW (kg/sq m) Thrust-to-Weight @ MTOW Positive Load Limit @ MTOW	305 1.45 555 0.80 9.0
PERFORMANCE			
Max Level Speed @ SL Max Level Speed @ FL350 Max Cruise Speed @ SL Max Cruise Speed @ FL350 Typical Cruise Speed @ SL Typical Cruise Speed @ FL350 Takeoff Speed; MTOW @ SL Stall Speed; MTOW @ SL Approach Speed; Landing Weight @ SL	1.23 Mach 2.19 Mach 0.90 Mach 0.90 Mach 0.80 Mach 0.80 Mach 328 km/hr 274 km/hr	Max Climb Rate @ SL; MTOW Max Climb Rate @ SL; MMW Dash Range @ 2.19 Mach Dash Radius @ 2.19 Mach Cruise Range @ 0.90 Mach Cruise Radius @ 0.90 Mach Ferry Range with External Tanks Takeoff, Ground Roll @ SL-TTW Takeoff, BFL @ SL-TTW	164 m/sec 303 m/sec 257 km 111 km 2,374 km 674 km 3,719 km 287 m 500 m
Stall Speed; Landing Weight @ SL	191 km/hr	Landing, Ground Roll @ SL-TLW	458 m







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16.35 sq m

4.78 m

683 m