# STAVATTI™ SM-28T

## TURBOFAN MACHETE

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# SM-28T TURBOFAN MACHETE

## Performance & Specifications

**FLYAWAY COST: $20.5 Million Basic Equipped** **AVAILABILITY: TBD**

**TYPE**

Two Seat Close Air Support (CAS), Anti-Armor/Maritime Strike (AA/MS) and Advanced Trainer Aircraft (AT)

**ACCOMMODATION**

Flight Crew of Two Seated in Tandem on Martin Baker MKUS.16L Zero-Zero Ejection Seats

**POWERPLANT**

One (1) General Electric Aircraft Engines Non-Afterburning F414 Derivative Turbofan Delivering 14,756 lb st.

**STRUCTURE**

Cantelever three spar semi-monocoque titanium foam metal sandwich wing, canard and empennage with modular four element semi-monocoque titanium and aluminum foam metal sandwich fuselage.

**ARMAMENT**

One Ventral Centerline Mounted General Dynamics Four Barrel GAU-13/A 30mm Gatling Cannon with 600 rds; Eight Underwing Stores Pylons with 14-in Suspension for a Maximum External Warload of 12,000 lbs.

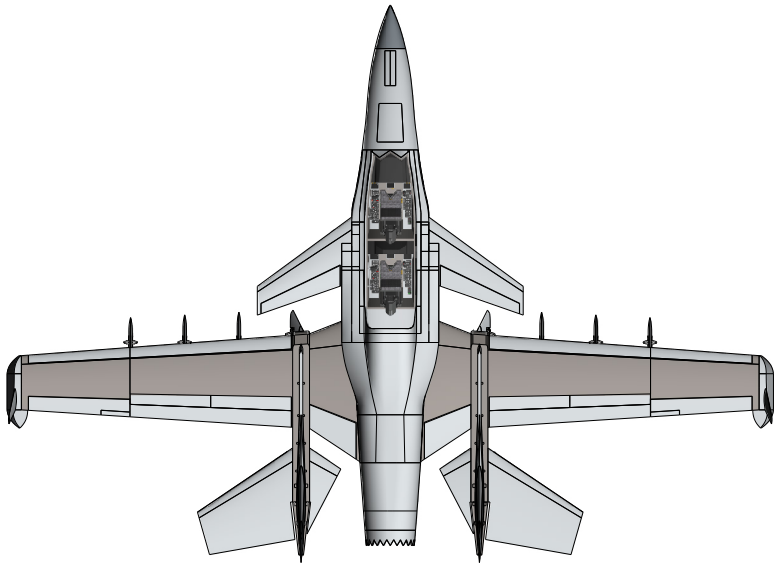
**DIMENSIONS**

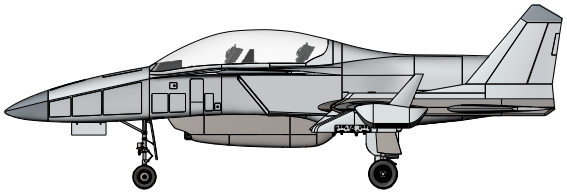
| | | | |
|---|---|---|---|
| Wingspan | 53 ft 0 in | Wing Area | 354 sq ft |
| Length Overall | 38 ft 6 in | Wheelbase | 16 ft 2 in |
| Height Overall | 12 ft 11 in | Wheeltrack | 12 ft 1 in |

| **WEIGHTS & CAPACITIES** | | **LOADINGS** | |
|---|---|---|---|
| Empty Weight | 16,400 lbs | Wing Loading @ TCW (lbs/sq ft) | 75.7 |
| Maximum Internal Fuel (IF) | 6,000 lbs | Thrust-to-Weight @ TCW | 0.55 |
| Max External Load/Warload | 12,000 lbs | Wing Loading @ MTOW (lbs/sq ft) | 101.7 |
| Typical Combat Weight (TCW) | 26,800 lbs | Thrust-to-Weight @ MTOW | 0.41 |
| Max Take-Off Weight (MTOW) | 36,000 lbs | Positive Load Limit @ MTOW | 7.5 |

**PERFORMANCE**

| | | | |
|---|---|---|---|
| Max Level Speed @ SL | 0.90 Mach | Max Range, 0.90 M/FL 150, Internal Fuel | 487 nm |
| Max Level Speed @ 15,000 ft | 0.90 Mach | Max Range, 0.90 M/FL 350, Internal Fuel | 1,067 nm |
| Max Level Speed @ 35,000 ft | 0.90 Mach | Cruise Range, 0.85 M/FL 150, Internal Fuel | 662 nm |
| Max Cruise Speed @ 15,000 ft | 0.85 Mach | Cruise Range, 0.85 M/FL 350, Internal Fuel | 1,394 nm |
| Max Cruise Speed @ 35,000 ft | 0.85 Mach | Cruise Range, 0.80 M/FL 150, Internal Fuel | 760 nm |
| Typical Cruise @ 25,000 ft | 0.80 Mach | Cruise Range, 0.80 M/FL 350, Internal Fuel | 1,537 nm |
| Typical Cruise @ 35,000 ft | 0.80 Mach | Ferry Range-2 x 150 USG Tanks | 3,830 nm |
| Typical Approach Speed @ SL | 94 KTAS | Takeoff Ground Roll, Takeoff Weight | 1,765 ft |
| Typical Landing Stall Speed @ SL | 79 KTAS | Landing Ground Roll, Landing Weight | 2,063 ft |
| Max Initial Rate-of Climb @ SL | 17,000 ft/min | Service Ceiling Exceeds | 55,000 ft |







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