

# STAVATTI™

## SM-47 SUPER MACHETE

### Air Defense Fighter (ADF)



# Purchase Agreement (PA)

**Purchase Agreement to Purchase the Stavatti SM-47 Super Machete**

**STAVATTI AEROSPACE LTD**

NIAGARA FALLS  
9400 Porter Road  
Niagara Falls, NY  
14304 USA

MAIL STOP  
P.O. Box 3010  
Niagara Falls, NY  
14304 USA

MN TEL: 651-238-5369  
NY TEL: 716-205-8396  
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<http://www.stavatti.com>

WYOMING  
30 N Gould St, Ste 2247  
Sheridan, WY  
82801 USA

MINNESOTA  
P.O. Box 211258  
Eagan, MN  
55121 USA

**Congratulations on your decision to purchase a new Stavatti SM-47 Super Machete Air Defense and Strike Fighter. The SM-47 is a single engine F414 afterburning turbofan powered two seat tandem (T) or single seat (S) supersonic fighter aircraft. A super-maneuverable aircraft with Forward Swept Wings, the SM-47 has a Mach 2.2 maximum level speed and a tactical radius on internal fuel of 800 nm. Armed with a 20mm cannon and 9 external hardpoints to carry 12,000 lbs, the SM-47 is a Stavatti replacement for F-16 ADFs, F/A-18A/Bs, Mirage 2000s and JAS 39 Gripens.**

This electronic order package includes the following documents necessary to submit an order:

- Purchase Agreement
- Terms and Conditions
- Deposit Payment Instructions
- Preliminary Specifications and Description (Exhibit A)

This step-by-step guide will help you easily place an order for the SM-47. In the event you have any questions, please contact us at 651-238-5369.

SM-47 Super Machete deliveries are projected to begin in or before 2028. Upon receipt of your order, we will send you a confirmation and specific serial number allocations. Your vehicle's delivery date will be assigned following receipt of FAA certification. Throughout the SM-47's development program we will communicate with you to provide updates and news features regarding this exciting new aircraft.

Thank you again for your decision to purchase a Stavatti SM-47. Welcome to the Stavatti family!

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### **SM-47 Super Machete Order Submittal Checklist**

All orders will be recorded on a first come, first serve basis. All Purchase Agreements will be time stamped upon receipt for order placement. To be validated and to retain the position, all orders must include a fully completed and signed Purchase Agreement and accompanying deposit arriving within 30 calendar days of the time stamp.

- ☐ Step 1 – Please read all documents thoroughly before continuing, including Purchase Agreement, Terms and Conditions page and Aircraft Specifications as outlined in Section 26. This is a legal binding contract and signature and initials affirm you understand the terms and conditions and accept them as stated.
- ☐ Step 2 – Complete section 2 of the Purchase Agreement by printing Purchaser Name, Physical Address, including zip code and provide a phone number and email address. The Purchaser name in Section 2 needs to match the Purchaser name in the Signature Section of the Purchase Agreement.
- ☐ Step 3 – Sign where it indicates signature of Purchaser and print or type name below. Purchase Agreement must be signed by an authorized person if using a company name or LLC. Please be sure to date the document accordingly.
- ☐ Step 4 – A deposit equal to 50% of the purchase price is due upon submittal of the order. You may send a check made out to Stavatti Aerospace Ltd via mail along with the Purchase Agreement, or you can elect to send a wire transfer. If you elect to send a wire transfer, please make sure that you note on the wire the purchaser's name. This information will help us match up the deposit with the Purchase Agreement when it arrives. Please see the enclosed wire transfer instructions.
- ☐ Step 5 – Submit this completed and executed Purchase Agreement by email to [aerospace@stavatti.com](mailto:aerospace@stavatti.com). The 50% deposit can then either be sent via wire transfer or by mail to the specified Stavatti address. You can send the Purchase Agreement by mail along with the deposit check via USPS to:

Stavatti Aerospace Ltd  
P.O. Box 3010  
Niagara Falls, NY 14304 USA

You may also submit your order and deposit in-person at any Stavatti business office or at any tradeshow or exhibit where Stavatti is exhibiting including The Paris Airshow and other events worldwide.

## SM-47 SUPER MACHETE PURCHASE AGREEMENT ("Agreement")

<b>1. SELLER</b>  <div style="text-align: center;">             Stavatti Aerospace Ltd.              9400 Porter Road              Niagara Falls, NY 14304 USA              TEL: 651-238-5369              email: chris.beskar@stavatti.com              email: aerospace@stavatti.com              http://www.stavatti.com           </div>	<b>2. PURCHASER</b>  <div style="text-align: center; margin-bottom: 10px;">             _____              (Purchaser Name)           </div> <div style="text-align: center; margin-bottom: 10px;">             _____              (Address)           </div> <div style="text-align: center; margin-bottom: 10px;">             _____              (City/State/Zip/Country)           </div> <div style="text-align: center; margin-bottom: 10px;">             _____              (Phone)           </div> <div style="text-align: center;">             _____              (email)           </div>
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### 3. AIRCRAFT

Purchaser agrees to purchase the following specified aircraft with the specified pricing and delivery date. The aircraft to be purchased are described in Specification and Technical Description Documents which are available as Exhibits to the Purchaser from the Seller. The Seller agrees to sell the Aircraft to Purchaser upon the terms and conditions set forth below and on page two. Purchaser understands that Seller may change the pricing and/or specifications of the Aircraft at any time. Should this occur, Purchaser agrees to accept the Aircraft with the changes or notify Seller within 20 calendar days of Purchaser's receipt of any change in pricing and/or specification that Purchaser demands a full refund of any deposits made towards the Aircraft purchase. Purchaser agrees acceptance of (1) the changes in pricing and/or specifications or (2) a refund of deposits made are its only two options and all other contractual remedies, if any, are specifically waived by Purchaser.

<b>4. SCHEDULED DELIVERY DATE</b>	<b>5. AGREEMENT NUMBER/ORDER NUMBER</b>
<b>6. PRICE (UNIT FLYAWAY COST)</b>  \$30,000,000.00	<b>7. NUMBER OF UNITS ORDERED</b>

### 8. PAYMENT TERMS

#### TERM

TOTAL PURCHASE PRICE (\$USD)  
 Initial Deposit (50% of Purchase Price)  
 Balance Due Upon Delivery

#### AMOUNT

**NOTE:** It is understood and agreed between Seller and Purchaser that all SM-47 Specification and Technical Description Documents considered hereto as Exhibits are preliminary in content and are subject to revision by Seller upon development of final data for the SM-47. Upon development of such final data for the Final Specification and Technical Description ("Final Specification"), the same shall supersede and replace said Specification and Technical Description Documents.

**NOTE:** Final Unit Cost (Unit Flyaway Cost) may be modified based upon vehicle options selected by customer prior to delivery. Additional FAA or DOT Aircraft Registration and Delivery Costs May Apply. Costs Do not include Taxes, Training, Spares or Manufacturer or Maintenance and Support.

**9. WARRANTY PROVISIONS:** EXCEPT FOR THE EXPRESS TERMS OF SELLER'S WRITTEN LIMITED AIRCRAFT WARRANTY WHICH ARE SET FORTH IN SPECIFICATION EXHIBITS AND AIRCRAFT DELIVERY ACCEPTANCE DOCUMENTATION, SELLER MAKES NO REPRESENTATIONS OR WARRANTIES EXPRESS OR IMPLIED WHICH EXTEND BEYOND THE FACE HEREOF OR THEREOF. THE WRITTEN LIMITED AIRCRAFT WARRANTY OF SELLER IS IN LIEU OF ANY OTHER WARRANTY, OBLIGATION, OR LIABILITY WHATSOEVER BY REASON OF THE MANUFACTURE, SALE, LEASE OR USE OF THE AIRCRAFT AND NO PERSON OR ENTITY IS AUTHORIZED TO MAKE ANY OTHER REPRESENTATIONS OR WARRANTIES OR TO ASSUME ANY ADDITIONAL OBLIGATIONS ON BEHALF OF SELLER REGARDING THE AIRCRAFT WARRANTY. THE REMEDIES OF REPAIR OR REPLACEMENT ARE THE ONLY REMEDIES AVAILABLE UNDER SELLER'S WRITTEN LIMITED AIRCRAFT WARRANTY. PURCHASER AGREES THAT IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS OR GOODWILL, LOSS OF USE, LOSS OF TIME, INCONVENIENCE, OR COMMERCIAL LOSS. THE ENGINE AND ENGINE ACCESSORIES AND AVIONICS ARE SEPARATELY WARRANTED BY THEIR MANUFACTURERS AND ARE EXPRESSLY EXCLUDED FROM THE LIMITED AIRCRAFT WARRANTY OF SELLER. THE LAWS OF SOME STATES DO NOT PERMIT CERTAIN LIMITATIONS ON WARRANTIES OR REMEDIES. IN THE EVENT SUCH A LAW APPLIES, THE FOREGOING EXCLUSIONS AND LIMITATIONS ARE AMENDED INsofar AS REQUIRED BY SAID LAW. NON-STAVATTI AIRCRAFT MANUFACTURED ARE WARRANTED BY THE WARRANTIES ASSOCIATED WITH THEIR SPECIFIC MANUFACTURER OR SOURCE OF ORIGIN.

## TERMS AND CONDITIONS

Seller has agreed to sell and Purchaser has agreed to purchase the Aircraft on the terms and conditions included on page one and as follows:

**10. GENERAL TERMS:** If any portion of this Agreement is invalid or unenforceable, this Agreement shall be considered divisible as to such provisions and the remainder of the Agreement valid and binding as though such provisions were not included herein.

**11. PAYMENT AND DELIVERY:** Purchaser agrees to inspect, flight test, and accept delivery of the Aircraft at a location to be determined by Seller within seven (7) days after the Scheduled Delivery date, and to pay Seller the balance due on the Aircraft and all other charges due under this Agreement. All payments shall be made in United States dollars and shall be made by cash, check, bank cashier's check, wire transfer or other agreed to legal tender. Purchaser agrees to pay for any national, state, or local taxes other than taxes on income applicable to this sale or transaction whether imposed at the time of delivery and sale or thereafter on either Purchaser or Seller; any import duties, import taxes, or other import/export charges imposed by the United States and/or foreign government. Purchaser agrees to pay State Sales Tax or, if applicable, to execute a State Sales Tax Exemption Certification prior to Aircraft delivery. If Purchaser does not properly pay sales taxes, import duties or other import/export charges and such payments are sought from Seller, then Purchaser shall be solely responsible for and agrees to indemnify Seller from all payments, penalties, and any and all other expenses, cost, attorney fees, etc., incurred by Seller.

**12. DEPOSIT:** Purchaser agrees to submit a deposit equal to a minimum of 50% the total purchase price of the aircraft with this Purchase Agreement or within 30 business days of the submission of this Purchase Agreement to the Seller. The deposit may be greater than 50%. All deposits will be credited to the total purchase price and reduce the balance due upon delivery.

**13. TITLE AND RISK OF LOSS:** Title to the Aircraft and risk of loss for the Aircraft transfer from Seller to Purchaser upon Purchaser's receipt of the Bill of Sale.

**14. DEFAULT:** If Purchaser fails to timely pay the balance due on the Aircraft, or any other charges under this Agreement when due, or if this Agreement is breached, canceled, or terminated by Purchaser for any cause whatsoever, or if Purchaser fails to accept delivery of the Aircraft within seven (7) days of the Scheduled Delivery Date then Seller shall retain, not as forfeiture, but as liquidated damages for default, all deposits previously made by Purchaser and this Agreement shall end.

**15. FORCE MAJEURE:** Seller shall not be liable to Purchaser for any delay in making delivery for any cause whatsoever; provided, however, if Seller should fail to make delivery within one hundred twenty (120) days after the Scheduled Delivery Date and such failure is not due to fire, flood, storm, strikes or other industrial disturbances, accident, war, riot, insurrection, delay in vendor deliveries, market conditions, or other causes beyond the control of the Seller, or, if for any reason, Seller should fail to make delivery within one hundred twenty (120) days after the Scheduled Delivery Date, then Purchaser, as its sole remedy, shall have the right to cancel this Agreement and receive a refund of all deposits, without interest, or agree to a later Scheduled Delivery Date.

**16. NOTICES:** Any notices given pursuant to this Agreement shall be sent by email, first class mail, certified mail, courier service or fax addressed, in case of notice to Seller, at the address shown in item 1 on page one, and in case of notice to Purchaser, to the name and address appearing in item 2, or such other address as the parties to receive the notice shall designate in writing.

**17. CONFLICT:** In the event of conflict, the terms and conditions of this Agreement take precedence over terms and conditions Expressed in Exhibits.

**18. AMENDMENTS AND REVISIONS:** All amendments to the Agreement must be agreed upon in writing and executed by Purchaser and Seller.

**19. CERTIFICATION:** The SM-47 will be FAA FAR Type Certified for day/night VFR operations. The SM-47 has been engineered to comply with relevant FAA Type Certification, MIL-STD and MILSPEC requirements, including MIL-HDBK-516B Airworthiness Certification Criteria and may be properly certified/qualified to meet acquisition requirements for service as a USAF/USN/USMC aircraft. The SM-47 will have a certified flight envelope cleared for a variety of traditional aircraft maneuvers. The SM-47 may be flight tested at the USAF AFFTC and qualified commercial test centers.

**20. SPECIFICATIONS:** The Purchaser intends to purchase the SM-47 Super Machete as described in the relevant Linecard, the relevant Standard Aircraft Characteristics Summary, Aircraft Technical Briefing & Performance Summary, the relevant Aircraft Configuration Statement and the performance and specifications as made available to the Purchaser by the Seller. In support of the purchasers desire to acquire an aircraft which meets or exceeds advertised specifications and performance characteristics, Stavatti Guarantees that the aircraft as delivered to the purchaser will meet or exceeds the performance characteristics stated within the Aircraft Technical Briefing & Performance Summary within a margin of  $\pm 10\%$  or an alternate set of performance characteristics as agreed to with the customer in subsequent performance summaries. If the aircraft does not meet the agreed to performance and characteristics within a margin of  $\pm 10\%$ , then upon the discretion of the purchaser, the Purchaser agrees to accept the Aircraft with the changes or notify Seller within 20 calendar days of Purchaser's receipt of any change in specification that Purchaser demands a full refund of any deposits made towards the Aircraft purchase. Purchaser agrees acceptance of (1) the changes in specifications or (2) a refund of deposits made are its only two options and all other contractual remedies, if any, are specifically waived by Purchaser. To achieve stated performance characteristics or to meet or otherwise address specific design mission requirements Stavatti reserves the right to alter, modify, reimagine or redesign the aircraft and its configuration or to select alternate or substitute airframe materials, structural configuration, powerplants, avionics, sensors and systems and to engineer the aircraft in such a manner as to result in a product that achieves characteristics mutually desired by the Purchaser and Stavatti. Preliminary Aircraft Specifications and Performance Characteristics are available for review in Stavatti provided Linecards and the Aircraft Technical Briefing & Performance Summary. The specifications for aircraft purchased from the Seller that are not of Stavatti Design, Manufacture or Stavatti

Model Number must be provided by or originate from the manufacturer, distributor or dealer of the non-Stavatti aircraft and Stavatti makes no representations or warranties regarding the legitimacy, accuracy or technical value of any and all non-Stavatti original specifications statements, documents or literature.

**20. DEVELOPMENT & DELIVERY TIMELINES:** The SM-47 Super Machete is a new-design aircraft that is currently under development by Stavatti. The SM-47 is not currently in production and is not available for immediate delivery at this time. Stavatti is now accepting purchase orders, including Purchase Agreements, Letters of Intent, procurement contracts and joint-venture development/production agreements from qualified purchasers and strategic partners. All initial production aircraft, including Low Rate Initial Production (LRIP) and Full Rate Production (FRP) aircraft will be produced in satisfaction of outstanding backlogs.

Upon securing adequate capital to fund SM-47 Demonstration and Validation (Dem/Val) as outlined in the SM-47 Dem/Val use of funds as identified in the SM-47 Business Plan and/or Private Placement Memorandum (PPM), Stavatti will begin the fast-track, "Skunk-Works" style Demonstration and Validation Program (Dem/Val) which focuses upon the assembly and production of SM-47 Prototype Air Vehicles (PAVs). The PAVs will enter into a flight test and demonstration phase that will result in additional customer purchase orders. Following Dem/Val, the aircraft will enter Full Scale Development (FSD) including the production of FAA conformal Production Representative Test Vehicles (PRTVs).

When completed, each PRTV will enter into a flight test and qualification program conducted at a designated flight test center. The purpose of the flight test and qualification program is to FAA Type Certify the aircraft (as appropriate) and Military Qualify the aircraft for acceptance into US DoD operational military service. Once qualified/certified, the SM-47 will enter LRIP. Under this expedited development schedule, PAV production is anticipated to require 12 to 24 months followed by 12 to 24 months of flight test and certification. LRIP will officially begin 36 to 48 months after Dem/Val program launch.

The purchaser herein recognizes that the SM-47 is not currently in production. Stavatti anticipates that the SM-47 will enter LRIP approximately 24 to 36 months from the date of Dem/Val completion. FSD is projected to begin within 90 days of the completion of Dem/Val. Stavatti considers all PAs to be valid for a period of 60 months (5 years) from the date of issue coinciding with an anticipated first delivery of SM-47 aircraft to purchasers within 24 to 48 months of initiation of SM-47 FSD.

**21. DELIVERY LOCATION:** 5 business days prior to time of delivery, Purchaser will have the opportunity to take delivery of the SM-47 at a designated Stavatti delivery center, or at the Stavatti Point of Assembly, free of charge. Alternatively the Purchaser may identify a delivery location of their choosing, including a designated airport, property, home or place of business free of charge within the continent of North America. Delivery of the SM-47 to locations outside North America, including Hawaii, may require additional shipping and delivery costs to be determined prior to delivery.

**22. EXPORT LIMITATIONS & ITAR:** In compliance with the Arms Export Controls Act (AECA) and the International Traffic in Arms Regulations (ITAR: CFR 120-130), Stavatti restricts the marketing and sale of the military aircraft and air weapon system to qualified U.S. allied purchasers. In support of current U.S. Arms Embargoes as issued by the U.S. State Department, Stavatti will not export military aircraft to any of the following nations:

*Belarus, Burma, Central African Republic, China (PR), Cuba, Cyprus, Democratic Republic of the Congo, Eritrea, Haiti, Iran, Kyrgyzstan, Lebanon, Libya, North Korea, Russia, Somalia, Sudan, Syria, Venezuela, and Zimbabwe*

Stavatti encourages parties interested in procuring military aircraft to visit the State Department-Directorate of Defense Trade Controls (DDTC) Website at: <http://www.pmddtc.state.gov> for a current Embargo Reference List.

**23. CONTROLLING LAW:** Purchaser and Seller expressly agree to exclude from this Agreement the United Nations Convention on Contracts for the International Sale of Goods, 1980, and any successor thereto. This Agreement shall be governed in all respects and shall be construed, and the legal relationships between the parties shall be determined, in accordance with the applicable commercial law of the State of New York, U.S.A.

**24. U.S. PATRIOT ACT:** The monetary requirements of the U.S. PATRIOT ACT require Stavatti to identify and review the connection between funds received and its customer, the Purchaser as specifically listed in the Purchase Agreement. In the event Stavatti receives funds from a source other than Purchaser, documentation in the form of a letter executed by or on behalf of Purchaser on Purchaser's letterhead is required that includes the date funds were remitted, the amount remitted, the check or wire number, the Purchase Agreement Number (found at the top, right corner of the Purchase Agreement), a statement that Purchaser authorizes the funds to be applied towards the Purchase Agreement, and a detailed explanation of the relationship between Purchaser and the source of the funds. Stavatti reserves the right to audit submissions for compliance purposes.

**25. COMPLETE BINDING CONTRACT UPON FINAL ACCEPTANCE BY SELLER:** This Agreement shall become a binding contract upon its final acceptance and execution by Seller. This Agreement is wholly integrated and is the sole agreement controlling this Aircraft purchase and sale and is exclusive of any other express, implied, verbal, or written representations, omissions, or agreements and is binding on Purchaser and Seller, their heirs, executors, administrators, successors or assigns. This Agreement may not be assigned by Purchaser without the express written consent of Seller, which can be given or denied at Seller's sole discretion.

**26. PROJECTED AIRCRAFT SPECIFICATIONS AND PERFORMANCE:** The purchaser intends to purchase the SM-47 as described in the relevant Linecard, the relevant Standard Aircraft Characteristics Summary, the relevant Aircraft Configuration Statement and the performance and specifications as supplied to the purchaser by Stavatti and/or Stavatti representatives. In support of the purchasers desire to acquire an aircraft which meets advertised specifications and performance characteristics, Stavatti Projects that the aircraft as delivered to the purchaser will meet the specifications and performance characteristics within a margin of  $\pm 10\%$ . If the aircraft does not meet the following specifications and characteristics within a margin of  $\pm 10\%$ , then upon the discretion of the purchaser, this PA may become null and void with Stavatti forfeiting the Purchase Agreement, Deposits and Advance Payments on the aircraft. Projected Aircraft Specifications and Performance Characteristics are summarized in the following data sheet:

# SM-47S Super Machete

Flyaway Cost: \$30 Million

Air Defense Fighter  
Light Weight Fighter  
Supersonic Strike  
Dissimilar Air Combat Training

## Accommodation

Crew Single (S) or Two Seat (T)  
Seating MK16 or MK18 Ejection Seats

## Powerplant

Number 1  
Type Afterburning Turbofan  
Model F414-EPE  
Manufacturer GEAE  
Afterburning Thrust (lbs) 26,600  
Military Thrust (lbs) 16,232  
Total Aircraft Thrust (lbs) 26,600  
Air Inlets Bifurcated Pitot Shock  
Nozzle VG Thrust Vectoring

## Dimensions

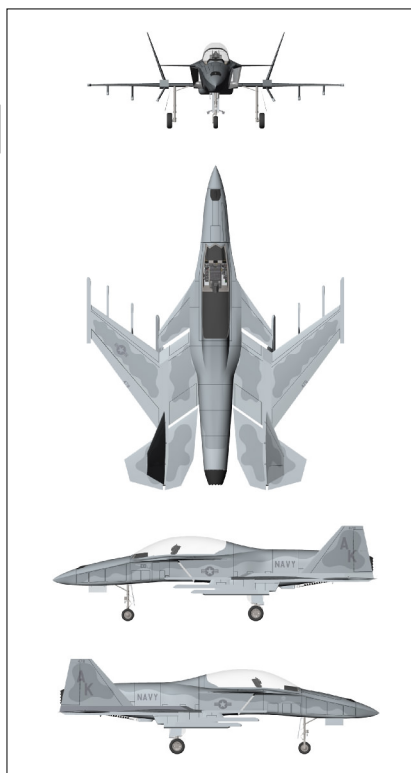
Max Length 42 ft 0 in  
Max Wingspan 33 ft 4 in  
Max Height 12 ft 4 in  
Wing Area 308 sq ft  
Wing Aspect Ratio 3.74  
Wing LE Sweep (o) -35

## Weights

Empty 16,000 lbs  
Max Internal Fuel (JP-8) 7,000 lbs  
Max External Warload 12,000 lbs  
Clean Takeoff (TTW) 23,000 lbs  
Typical Combat (TCW) 23,700 lbs  
Max Take-Off (MTOW) 36,000 lbs

## Loadings

Wing Loading-TCW 76.9 lbs/sq ft  
Wing Loading-MTOW 116.9 lbs/sq ft  
Thrust-to-Weight-TCW 1.12 to 1  
Thrust-to-Weight-MTOW 0.74 to 1  
Design Load Factor-TCW +13.7/-6.8  
Design Load Factor-MTOW +9.0/-4.5



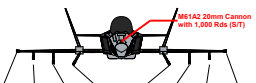
## Avionics & Electronic Warfare

Radar (opt) Vixen 500E or RACR  
HUD CED, HMD or Nighthawk  
Comm AN/ARC-210 Gen V  
IFF AN/APX-126  
Data Link TACR-16DL  
MMDP CMC FV-4000  
GPS/INS FALCN  
RF ECM (opt) AN/ARN-153(V)  
RWR (opt) AN/ALQ-211A(V)4  
MAWS (opt) AN/AAR-58  
SPJ (opt) AN/ALQ-214(V)4/5  
Chaff/Flare 12 x AN/ALE-47

## Armament

Fixed Internal 1 x 20mm M61A2  
Ammunition 1,000 rds  
External Hardpoints 8  
TCW Warload 3,200 lbs  
Max External Warload 12,000 lbs

## SM-47S/T WARLOAD & STORES STATIONS



STATION NUMBER	1	2	3	4	5	6	7	8
AIM-9 Sidewinder	X	X	X	X	X	X	X	X
AIM-120 AMRAAM	X	X	X	X	X	X	X	X
AGM-85 Maverick		X	X	X	X	X	X	X
GBU-38/58 SDB								
GBU-38 JDAM/Mk.82								
GBU-32 JDAM/Mk.83								
GBU-31 JDAM/Mk.84								
GBU-12 PAVEWAY II		X	X	X	X	X	X	X
GBU-24 PAVEWAY III								
CBU-97/105 SPW								
B61 Thermonuclear								
B83 Thermonuclear								
AGM-84E SLAM								
AGM-88C HARM		X	X			X	X	
AGM-154 JSOW								
AN/APX-99 TACS								
150 USG External Tank								
330 USG External Tank								

Rated Load @ 9.0g: 500 lbs, 1,000 lbs, 2,000 lbs, 2,500 lbs, 2,500 lbs, 2,500 lbs, 1,000 lbs, 500 lbs

## Performance

Max Level Speed @ SL	1.23 Mach	Approach Speed; Landing Configuration	133 KTAS
Max Level Speed @ FL150	1.64 Mach	Stall Speed; Landing Configuration	111 KTAS
Max Level Speed @ FL250	1.87 Mach	Max Climb Rate @ SL	47,700 ft/min
Max Level Speed @ FL350	2.27 Mach	Service Ceiling	55,000 ft
Max Level Speed @ FL450	2.00 Mach	Max Speed Range, Internal Fuel	230 nm
Supercruise Speed @ SL	1.00 Mach	Max Speed Radius, Internal Fuel	103 nm
Supercruise Speed @ FL150	1.00 Mach	Supercruise Range, Internal Fuel	945 nm
Supercruise Speed @ FL250	1.05 Mach	Supercruise Radius, Internal Fuel	462 nm
Supercruise Speed @ FL350	1.10 Mach	0.85 Mach Range, Internal Fuel	1,420 nm
Typical Cruise Speed @ SL	0.85 Mach	0.85 Mach Radius, Internal Fuel	694 nm
Typical Cruise Speed @ FL150	0.85 Mach	0.85 Mach Ferry Range, External Tanks	2,051 nm
Typical Cruise Speed @ FL250	0.85 Mach	Takeoff Ground Roll, Takeoff Weight	1,543 ft
Typical Cruise Speed @ FL350	0.85 Mach	Takeoff Over 50 ft Obstacle, Takeoff Weight	1,763 ft
Takeoff Speed; MTOW	172 KTAS	Landing Ground Roll, Landing Weight	2,073 ft
Stall Speed; MTOW	156 KTAS	Landing Over 50 ft Obstacle, Landing Weight	2,176 ft



# SM-47T Super Machete

Air Defense Fighter  
Supersonic Strike  
Dissimilar Air Combat Training  
Advanced Pilot Trainer

Flyaway Cost: \$30 Million

## Accommodation

Crew Two Seat Tandem  
Seating MK16 or MK18 Ejection Seats

## Powerplant

Number 1  
Type Afterburning Turbofan  
Model F414-EPE  
Manufacturer GEAE  
Afterburning Thrust (lbs) 26,600  
Military Thrust (lbs) 16,232  
Total Aircraft Thrust (lbs) 26,600  
Air Inlets Bifurcated Pitot Shock  
Nozzle VG Thrust Vectoring

## Dimensions

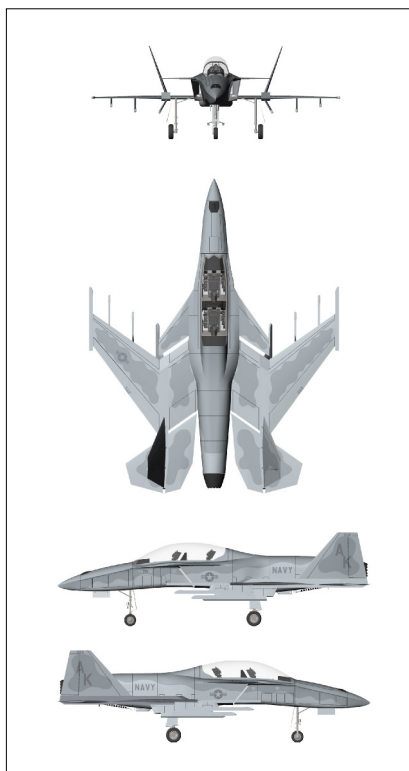
Max Length 42 ft 0 in  
Max Wingspan 33 ft 4 in  
Max Height 12 ft 4 in  
Wing Area 308 sq ft  
Wing Aspect Ratio 3.74  
Wing LE Sweep (o) -35

## Weights

Empty 16,770 lbs  
Max Internal Fuel (JP-8) 6,000 lbs  
Max External Warload 12,000 lbs  
Clean Takeoff (TTW) 24,000 lbs  
Typical Combat (TCW) 24,200 lbs  
Max Take-Off (MTOW) 36,000 lbs

## Loadings

Wing Loading-TCW 78.6 lbs/sq ft  
Wing Loading-MTOW 116.9 lbs/sq ft  
Thrust-to-Weight-TCW 1.10 to 1  
Thrust-to-Weight-MTOW 0.74 to 1  
Design Load Factor-TCW +13.7/-6.8  
Design Load Factor-MTOW +9.0/-4.5



## Avionics & Electronic Warfare

Radar (opt) RACR  
HUD CED, HMD or Nighthawk  
Comm AN/ARC-210 Gen V  
IFF AN/APX-126  
Data Link TACR-16DL  
MMDP CMC FV-4000  
GPS/INS FALCN  
RF ECM (opt) AN/ARN-153(V)  
RWR (opt) AN/ALQ-211A(V)4  
MAWS (opt) AN/AAR-58  
SPJ (opt) AN/ALQ-214(V)4/5  
Chaff/Flare 12 x AN/ALE-47

## Armament

Fixed Internal 1 x 20mm M61A2  
Ammunition 1,000 rds  
External Hardpoints 8  
TCW Warload 3,200 lbs  
Max External Warload 12,000 lbs

## SM-47S/T WARLOAD & STORES STATIONS

STATION NUMBER	1	2	3	4	5	6	7	8
AIM-9 Sidewinder	X	X	X	X	X	X	X	X
AIM-120 AMRAAM	X	X	X	X	X	X	X	X
AGM-65 Maverick		X	X	X	X	X	X	X
GBU-38/B SDB								
GBU-38 JDAM/Mk.82								
GBU-32 JDAM/Mk.83								
GBU-31 JDAM/Mk.84								
GBU-12 PAVEWAY II		X	X	X	X	X	X	X
GBU-24 PAVEWAY III								
CBU-97/105 SPW								
B61 Thermonuclear								
B63 Thermonuclear								
AGM-84E SLAM								
AGM-88C HARM		X	X			X	X	
AGM-154 JSOW								
AN/APX-95 TACTS								
160 USG External Tank								
330 USG External Tank								

Rated Load @ 9.0-g: 500 lbs, 1,000 lbs, 2,000 lbs, 2,500 lbs, 2,500 lbs, 2,500 lbs, 1,000 lbs, 500 lbs

## Performance

Max Level Speed @ SL	1.23 Mach	Approach Speed; Landing Configuration	136 KTAS
Max Level Speed @ FL150	1.64 Mach	Stall Speed; Landing Configuration	113 KTAS
Max Level Speed @ FL250	1.87 Mach	Max Climb Rate @ SL	47,700 ft/min
Max Level Speed @ FL350	2.27 Mach	Service Ceiling	55,000 ft
Max Level Speed @ FL450	2.00 Mach	Max Speed Range, Internal Fuel	230 nm
Supercruise Speed @ SL	1.00 Mach	Max Speed Radius, Internal Fuel	103 nm
Supercruise Speed @ FL150	1.00 Mach	Supercruise Range, Internal Fuel	945 nm
Supercruise Speed @ FL250	1.05 Mach	Supercruise Radius, Internal Fuel	462 nm
Supercruise Speed @ FL350	1.10 Mach	0.85 Mach Range, Internal Fuel	1,420 nm
Typical Cruise Speed @ SL	0.85 Mach	0.85 Mach Radius, Internal Fuel	694 nm
Typical Cruise Speed @ FL150	0.85 Mach	0.85 Mach Ferry Range, External Tanks	2,051 nm
Typical Cruise Speed @ FL250	0.85 Mach	Takeoff Ground Roll, Takeoff Weight	1,543 ft
Typical Cruise Speed @ FL350	0.85 Mach	Takeoff Over 50 ft Obstacle, Takeoff Weight	1,763 ft
Takeoff Speed; MTOW	172 KTAS	Landing Ground Roll, Landing Weight	2,073 ft
Stall Speed; MTOW	156 KTAS	Landing Over 50 ft Obstacle, Landing Weight	2,176 ft

**ACCEPTABLE FORMS OF PAYMENT**

Acceptable forms of payment to Stavatti for the purchase of aircraft include, but are not limited to, wire transfer of funds, certified check or United States Dollars (\$USD). Wire Transfers should reflect Purchaser Name as Originator. Payments an Deposits by wire transfer may be sent to:

**CONTACT STAVATTI FOR BANK WIRE INSTRUCTIONS**

Reference your Purchaser Name on the wire transfer to ensure proper application of your funds. Identify the financial institution and associated information from which funds have been wired or attach a copy of your financial institution's wire instructions.

**Payments made by Check:**

Payment by Check Issued to Stavatti Aerospace Ltd should be in U.S. Dollars drawn on a Member Bank of the United States Federal Reserve System. Checks should reflect the Purchaser name as specified in Item 2 of this Agreement. Please make Checks payable to "Stavatti Aerospace Ltd" and send them to:

**STAVATTI AEROSPACE LTD**  
P.O. Box 3010  
Niagara Falls, NY 14304

**27. ADDITIONAL CONTRACT TERMS:** PURCHASER AND SELLER ACKNOWLEDGE AND AGREE BY EXECUTION OF THIS AGREEMENT THAT THE TERMS AND CONDITIONS ON PAGE TWO ARE EXPRESSLY MADE A PART OF THIS AGREEMENT. THE SIGNATORIES TO THIS AGREEMENT VERIFY THAT THEY HAVE READ THE COMPLETE AGREEMENT, INCLUDING THE TERMS AND CONDITIONS; UNDERSTAND ITS CONTENTS; AND HAVE FULL AUTHORITY TO BIND AND HEREBY DO BIND THEMSELVES AND/OR THEIR RESPECTIVE PARTIES.

**ONCE ACCEPTED AN APPROVED BY STAVATTI AND THE PURCHASER, THIS PURCHASE AGREEMENT SERVES TO SECURE AN ORDER FOR THE NUMBER OF AIRCRAFT AT A FLYAWAY COST AS SPECIFIED WITHIN THIS AGREEMENT.**

**PURCHASER****STAVATTI AEROSPACE LTD**


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 (Date)

**E-MAILING INSTRUCTIONS:** Please return an executed electronic copy of this agreement by email to [aerospace@stavatti.com](mailto:aerospace@stavatti.com). Electronic copies are considered to be equivalent to physical hard-copies.