STAVATTI®

STAVATTI AEROSPACE BRIEFING

ABOUT STAVATTI

STAVATTI

Stavatti Aerospace Ltd is a new aircraft manufacturer focused upon the design, production and support of next generation military and civil aircraft.

SM-150
Sportplane

SM-28 Machete
Close Air Support

SM-31 Stiletto
Trainer & Light Fighter

SM-920
Commercial Airliner

SM-47 Super Machete
Air Defense Fighter

SM-100
STOL Intermodal Transport

SM-36 Stalma
Multi-Role Fighter

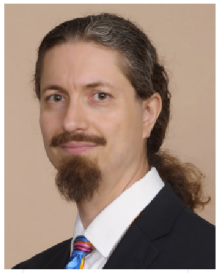
SM-39 Razor
Air Dominance Fighter

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

LEADERSHIP TEAM

STAVATTI



Chris Beskar
President & CEO

Bill McEwen
COO

Charles W. Moore Jr.
Plankowner

Richard E. Guild
Director of
Military Aerospace

John R. Simon
CEO Niagara &
Director

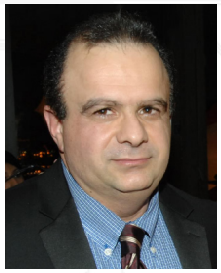
Robert C. Sugarman
Chief Scientist
& Director

David Wilcock
Director

Norm Edwards
CFO & Director
of Finance

Wendell Maddox
Senior VP

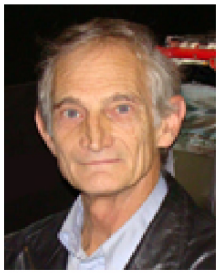
Jeffrey A. Gongoll
Secretary &
Director



Methodios Vallidis
Director

John Lu
VP of Business
Asia

Michael J. Green
Director of
Next Gen Aerospace



Stuart E. Cart
Chief Innovation
Officer

Dimitriy Giebeler
Executive VP

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SITES & FACILITIES

STAVATTI

- **Stavatti Corporation (“Stavatti”) was founded in Eagan, Minnesota on 20 July 1994.**

- **Stavatti Aerospace Ltd was organized as a Wyoming C corporation on 11 December 2019.**

- **Stavatti acquired the former USARC facility (SNAPPER) at the Niagara Falls International Airport (KIAG) on 30 October 2020. Totalling 180,113 sq ft on 19.52 acres, this facility now serves as Stavatti headquarters, prototype development and aircraft upgrade center.**

2M PLANT

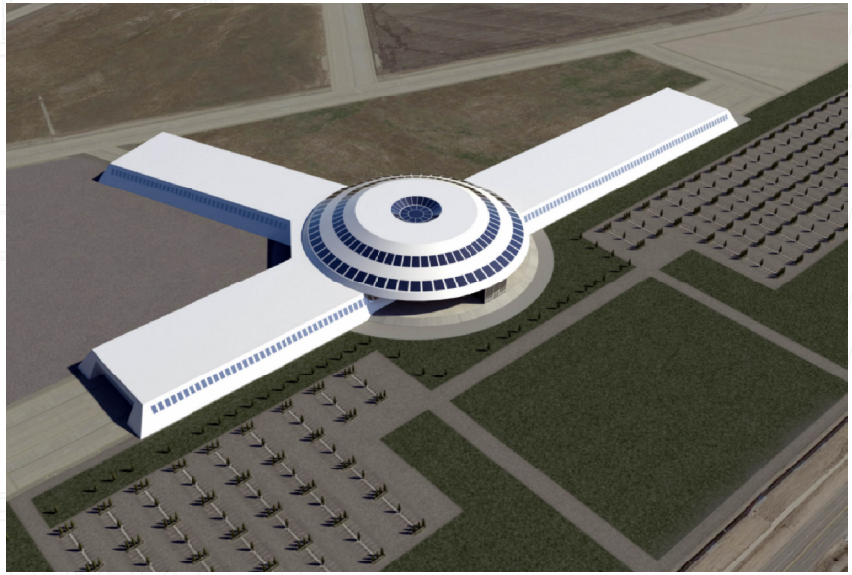
STAVATTI

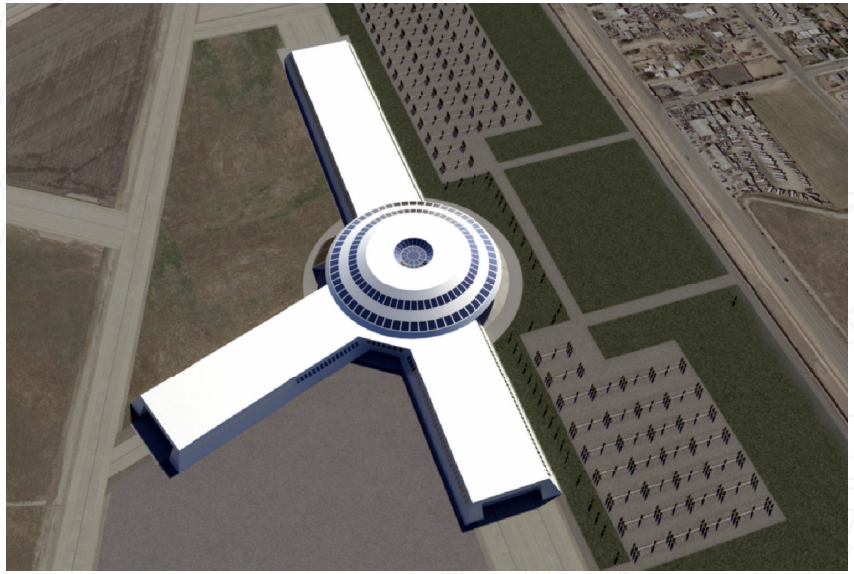
- **Stavatti's 2M Plant will provide over 2 Million sq ft of combined office and aircraft manufacturing and assembly floor for mass production.**

- **The 2M Plant is designed to manufacture multiple Stavatti aircraft models simultaneously under one roof including the iconic SM-920 Commercial Airliner.**

- **The 2M Plant will employ 15,000 or more qualified, skilled aerospace workers.**

- **Ground-Breaking on the iconic 2M Plant is planned for 2027-2029.**





CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-26 SLEEK

STAVATTI

The SM-26 Sleek is a High Performance Sportpane that delivers fighter handling, agility and style to general aviation. Produced in both turbopiston, turboprop, electric and VTOL variants, the SM-26 will be one of the world's fastest FAR 23 certified piston aircraft. Available as a civil sportplane, a MOSAIC light Sport Aircraft, a military trainer, a light attack COIN solution and an unpiloted combat aircraft, the SM-26 is a 66% scale replica of its CAS cousin, the SM-27 Machete.

SM-26 Sleek
Turbo Piston/Turboprop
High Performance Sportplane

300 KTAS
1,150 lb Useful Load
1,500 nm Range

$850,000 Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $331

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-26 SPECIFICATIONS

STAVATTI

SM-26 SLEEK SPECIFICATIONS

Aircraft: SM-26 Sleek Sportplane
Unit Flyaway Cost: $850,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Two Seat Tandem
Seating	Crashworthy Sport Seats

Powerplant

Number	1
Type	660 cu in Turbocharged V8
Model	E660 J/G-T Eagle V8
Manufacturer	Higgs Diesel Engines
Max HP	800
Prop RPM	1,992
Prop Type	CS Scimitar
Prop Diameter	96 in
Number of Blades	5

Dimensions

Max Wingspan	36 ft 0 in
Max Length	25 ft 8 in
Max Height	8 ft 6 in
Wing Area	156.6 sq ft
Wing Aspect Ratio	8.4
Wing LE Sweep	4.25°

Weights

Empty	2,340 lbs
Max Internal Fuel	670 lbs
Max Baggage	130 lbs
Useful Load	1,160 lbs
Typical Landing (TLW)	2883 lbs
Max Take-Off (MTOW)	3,500 lbs

Loadings

Wing Loading (MTOW)	22.3 lbs/sq ft
Power Loading (MTOW)	4.3 lbs/hp
Design Load Factor (MTOW)	+6.50
Ultimate Load Factor (MTOW)	+9.75

Internal Dimensions

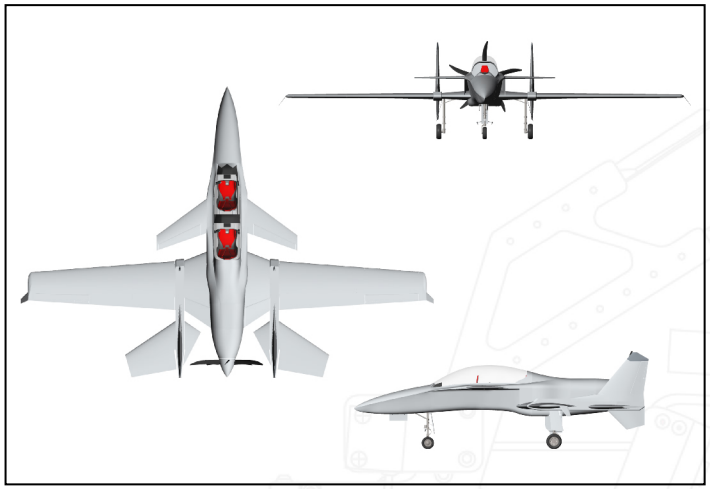
Cabin Length	114.0 in
Cabin Width-Max	27.0 in
Cabin Height-Max	44.0 in

Avionics & Displays

HUD	Canopy Embedded Display (CED)
HDD	SD224 LED Primary Display
COMM/GPS	Dual WASS GPS/COMM/NAV
IFF	ADS-B Out & In Transponder
Autopilot	All-Axis Digital Autopilot
FCS	Digital Power-By-Wire
Audio Panel	Digital Bluetooth® Audio Panel
ELT/ULB	406 MHZ ELT & ULB

Performance

Max Level Speed @ SL	272 Ktas
Max Level Speed @ FL150	294 Ktas
Max Level Speed @ FL200	301 Ktas
Max Level Speed @ FL350	273 Ktas
Max Level Speed @ FL400	225 Ktas
Max Cruise Speed @ SL	225 Ktas
Max Cruise Speed @ FL150	250 Ktas
Max Cruise Speed @ FL200	275 Ktas
Max Cruise Speed @ FL350	250 Ktas
Max Cruise Speed @ FL400	225 Ktas
Takeoff Speed; MTOW	73 KTAS
Stall Speed; MTOW	66 KTAS
Max Climb Rate @ SL	4,382 ft/min
Service Ceiling	46,000 ft
Max Speed Range @ SL	689 nm
Max Speed Range @ FL400	1,502 nm
Max Cruise Range @ SL	776 nm
Max Cruise Range @ FL200	1,066 nm
Max Cruise Range @ FL400	1,502 nm
Takeoff Ground Roll, TTW	480 ft
Takeoff over 50 ft, TTW	982 ft
Landing Ground Roll, TLW	564 ft
Landing over 50 ft, TLW	1,551 ft



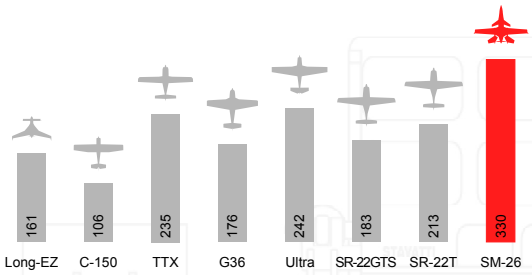
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

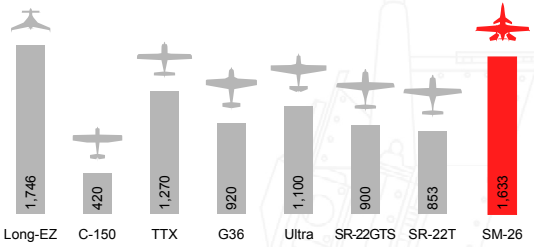
SM-26 COMPARISON

STAVATTI®

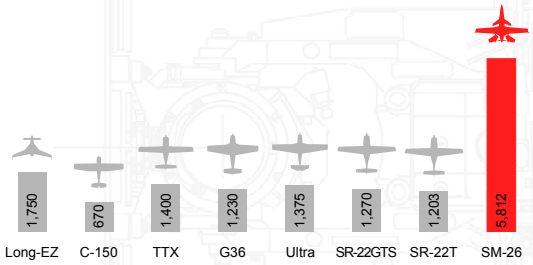
Maximum Level Speed (KTAS)
Aircraft at Optimum Altitude for Maximum Speed



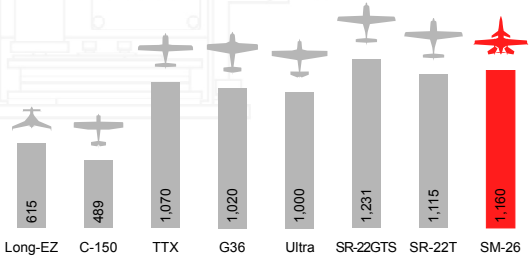
Maximum Range (nm)
With Maximum Internal Fuel



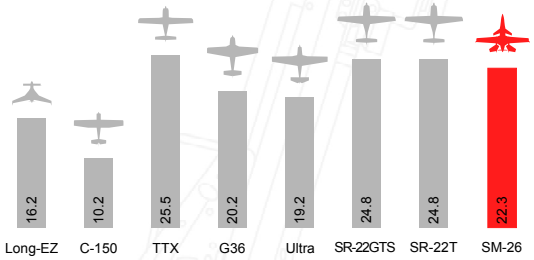
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



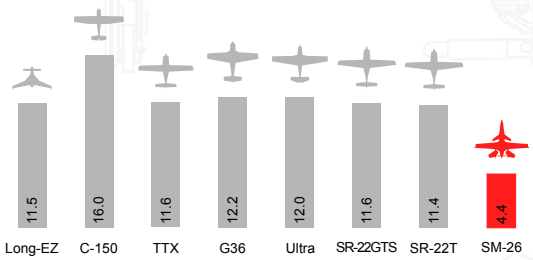
Maximum Useful load (lbs)
Aircraft at MTOW



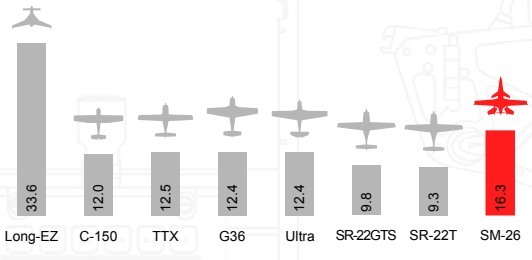
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



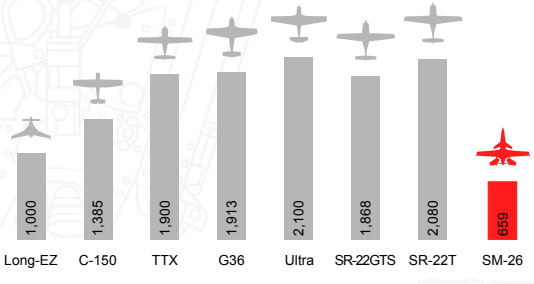
Maximum Power Loading (lbs/hp)
Aircraft at MTOW



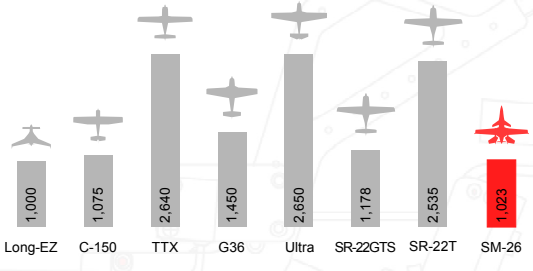
Nautical Miles Per Gallon (nmpg)
Maximum Range as Attained with Maximum Internal Fuel



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

SM-26LS SPECIFICATIONS

STAVATTI

SM-26LS SLEEK SPECIFICATIONS

Aircraft: SM-26LS MOSAIC Light Sportplane
Unit Flyaway Cost: $400,000
Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Two Seat Tandem
Seating	Crashworthy Sport Seats

Powerplant

Number	1
Type	330 cu in Turbocharged V4
Model	E330 J/G-T Hawk V4
Manufacturer	Higgs Diesel Engines
Max HP	800
Prop RPM	1,992
Prop Type	CS Scimitar
Prop Diameter	81 in
Number of Blades	5

Dimensions

Max Wingspan	36 ft 0 in
Max Length	25 ft 8 in
Max Height	8 ft 6 in
Wing Area	156.6 sq ft
Wing Aspect Ratio	8.4
Wing LE Sweep	4.25°

Weights

Empty	2,000 lbs
Max Internal Fuel	650 lbs
Max Baggage	130 lbs
Useful Load	1,200 lbs
Typical Landing (TLW)	2,594 lbs
Max Take-Off (MTOW)	3,200 lbs

Loadings

Wing Loading (MTOW)	20.4 lbs/sq ft
Power Loading (MTOW)	8.0 lbs/hp
Design Load Factor (MTOW)	+6.50
Ultimate Load Factor (MTOW)	+9.75

Internal Dimensions

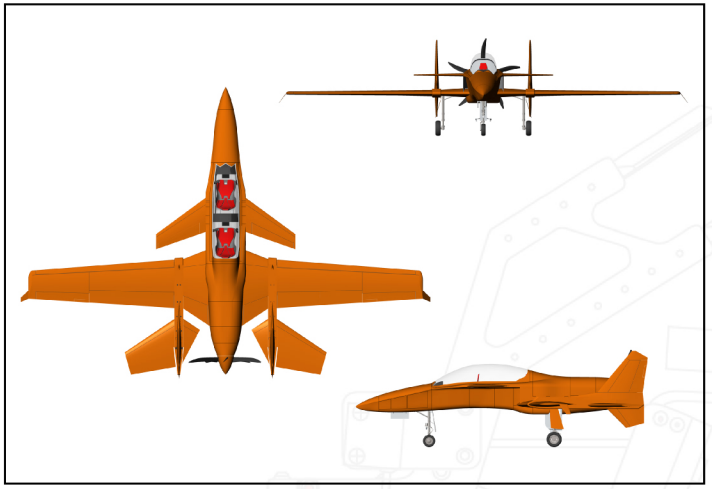
Cabin Length	114.0 in
Cabin Width-Max	27.0 in
Cabin Height-Max	44.0 in

Avionics & Displays

HUD	Canopy Embedded Display (CED)
HDD	SD224 LED Primary Display
COMM/GPS	Dual WASS GPS/COMM/NAV
IFF	ADS-B Out & In Transponder
Autopilot	All-Axis Digital Autopilot
FCS	Digital Power-By-Wire
Audio Panel	Digital Bluetooth® Audio Panel
ELT/ULB	406 MHZ ELT & ULB

Performance

Max Level Speed @ SL	224 Ktas
Max Level Speed @ FL150	253 Ktas
Max Level Speed @ FL200	264 Ktas
Max Level Speed @ FL300	240 Ktas
Max Level Speed @ FL350	208 Ktas
Max Cruise Speed @ SL	175 Ktas
Max Cruise Speed @ FL150	200 Ktas
Max Cruise Speed @ FL200	225 Ktas
Max Cruise Speed @ FL300	225 Ktas
Max Cruise Speed @ FL350	208 Ktas
Takeoff Speed; MTOW	60 KTAS
Stall Speed; MTOW	49 KTAS
Max Climb Rate @ SL	2,062 ft/min
Service Ceiling	40,000 ft
Max Speed Range @ SL	850 nm
Max Speed Range @ FL350	1,500 nm
Max Cruise Range @ SL	968 nm
Max Cruise Range @ FL200	1,263 nm
Max Cruise Range @ FL350	1,500 nm
Takeoff Ground Roll, TTW	615 ft
Takeoff over 50 ft, TTW	1,213 ft
Landing Ground Roll, TLW	506 ft
Landing over 50 ft, TLW	1,491 ft



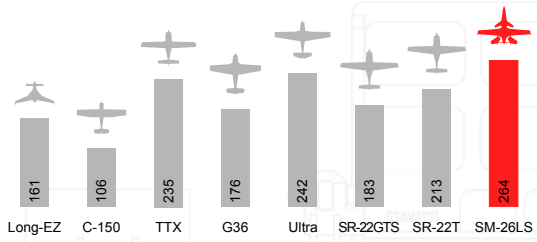
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

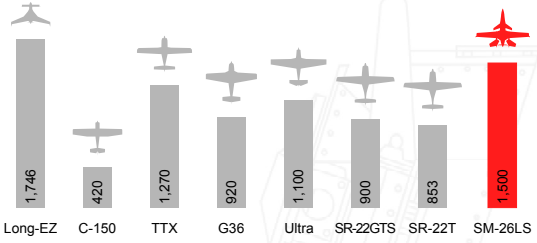
SM-26LS COMPARISON

STAVATTI®

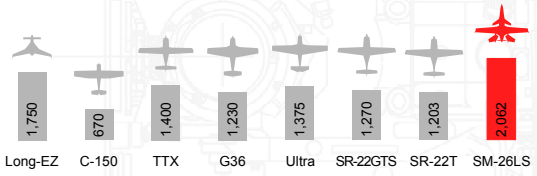
Maximum Level Speed (KTAS)
Aircraft at Optimum Altitude for Maximum Speed



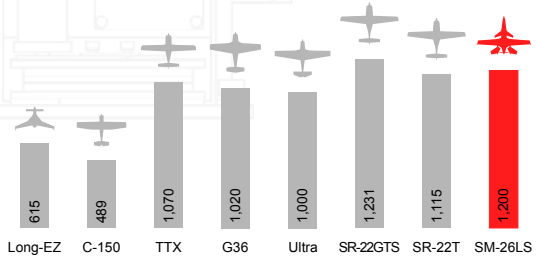
Maximum Range (nm)
With Maximum Internal Fuel



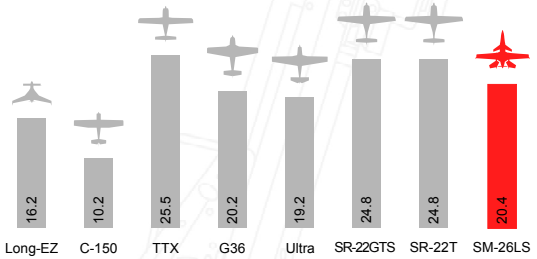
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



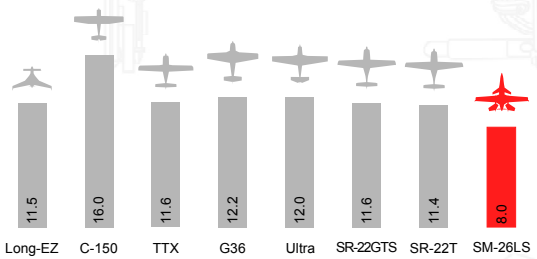
Maximum Useful load (lbs)
Aircraft at MTOW



Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW

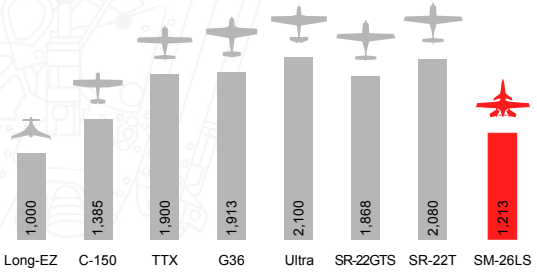


Maximum Power Loading (lbs/hp)
Aircraft at MTOW

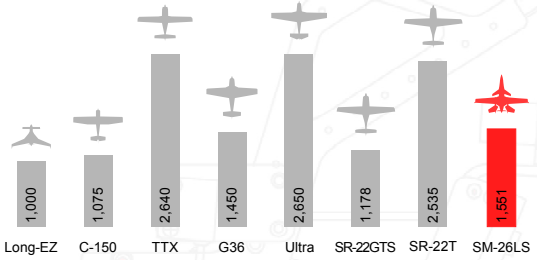


Nautical Miles Per Gallon (nmpg)
Maximum Range as Attained with Maximum Internal Fuel

Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

SM-26U SPECIFICATIONS

STAVATTI

SM-26U DRONE SPECIFICATIONS

Aircraft: SM-26U Unpiloted Combat Aircraft (UCA)
Unit Flyaway Cost: $3,000,000
Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Remote	Securely Remotely Piloted
Autonomy	Stavatti Synthetic Intelligence

Armament

External Hardpoints	8
Max External Warload	3,300 lbs

Powerplant

Number	1
Type	660 cu in Turbocharged V8
Model	E660 J/G-T Eagle V8
Manufacturer	Higgs Diesel Engines
Max HP	800
Prop RPM	1,992
Prop Type	CS Scimitar
Prop Diameter	96 in
Number of Blades	5

Avionics & Sensors

RADAR	Lynx® Multi-mode Radar
E/O	Multi-Spectral Targeting System
GPS/INS	H-764 or FALCN
Comm	AN/ARC-210 Gen V
SATCOM	Dual SATCOM
Data Link	LOS/BLOS Advanced Data Link
ATL	Automatic Takeoff and Landing
RF ECM (opt)	AN/AAQ-45 DAIRCM
Chaff/Flare	AN/ALE-47

Dimensions

Max Wingspan	36 ft 0 in
Max Length	25 ft 8 in
Max Height	8 ft 6 in
Wing Area	156.6 sq ft
Wing Aspect Ratio	8.4
Wing LE Sweep	4.25°

Performance

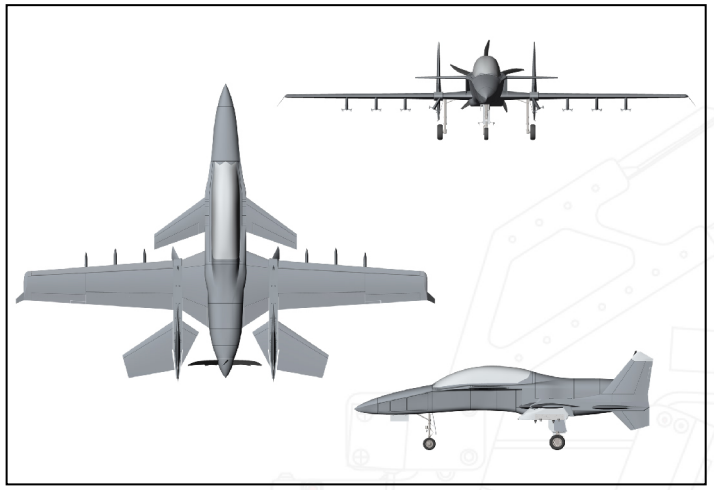
Max Level Speed @ SL	266 Ktas
Max Level Speed @ FL50	279 Ktas
Max Level Speed @ FL100	292 Ktas
Max Level Speed @ FL200	332 Ktas
Max Level Speed @ FL300	286 Ktas
Max Cruise Speed @ SL	250 Ktas
Max Cruise Speed @ FL100	274 Ktas
Max Cruise Speed @ FL200	302 Ktas
Typical Cruise Speed @ FL100	191 Ktas
Typical Cruise Speed @ FL200	200 Ktas
Takeoff Speed; MTOW	86 KTAS
Stall Speed; MTOW	78 KTAS
Max Climb Rate @ SL	2,380 ft/min
Service Ceiling	44,000 ft
Max Speed Range @ SL	661 nm
Max Speed Range @ FL300	993 nm
Eco Cruise Range @ SL	748 nm
Eco Cruise Range @ FL100	753 nm
Tactical Radius, Hi-Hi-Hi	500 nm
Takeoff Ground Roll, MTOW	1,903 ft
Takeoff over 50 ft, MTOW	2,793 ft
Landing Ground Roll, TLW	569 ft
Landing over 50 ft, TLW	1,556 ft

Weights

Empty	2,700 lbs
Max Internal Fuel	900 lbs
Max External Warload	3,300 lbs
Useful Load	4,300 lbs
Typical Landing (TLW)	2,935 lbs
Max Take-Off (MTOW)	7,000 lbs

Loadings

Wing Loading (MTOW)	44.7 lbs/sq ft
Power Loading (MTOW)	8.8 lbs/hp
Design Load Factor (MTOW)	+6.50
Ultimate Load Factor (MTOW)	+9.75



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-27 MACHETE

STAVATTI

The SM-27 Machete is a Next Generation Turboprop Attack and Close Air Support (CAS) aircraft. Heavily armored and with a 30mm cannon, the Machete series will provide a dedicated Close Air Support (CAS) aircraft, replacing A-1s, OV-10s, AT-6Bs, Super Tucanos and A-10s. Satisfying the need for a Future Close Air Support Aircraft, the SM-27 will have a maximum level speed of 400 KTAS, a tactical radius of over 870 nm and an external warload of over 8,000 lbs.

SM-27 Machete
Turboprop
Attack/Close Air Support

400 KTAS
8,000 lb Warload
870 nm Radius

$20 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $3,117

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-27 SPECIFICATIONS

STAVATTI

SM-27 MACHETE SPECIFICATIONS

Aircraft: SM-27S/T Machete
Unit Flyaway Cost: $20,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

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

Powerplant

Number	1
Type	Turboprop
Model	NT4000 Derivative
Manufacturer	NeoThrust™
Max SHP	4,000
Prop Type	Countra-Rotating
Prop Diameter	120 in
Number of Blades	8/6

Dimensions

Max Wingspan	53 ft 0 in
Max Length	38 ft 6 in
Max Height	12 ft 11 in
Wing Area	354
Wing Aspect Ratio	8.4
Wing LE Sweep	4.25°

Weights

Empty	15,000 lbs
Max Internal Fuel (JP-8)	5,000 lbs
Max External Warload	8,000 lbs
Typical Combat (TCW)	25,300 lbs
Max Take-Off (MTOW)	30,000 lbs

Loadings

Wing Loading-TCW	71.4 lbs/sq ft
Wing Loading-MTOW	84.2 lbs/sq ft
Power Loading-TCW	6.3 lbs/shp
Power Loading-MTOW	7.5 lbs/shp
Design Load Factor-TCW	+8.8/-4.4
Design Load Factor-MTOW	+7.5/-3.7

Armament

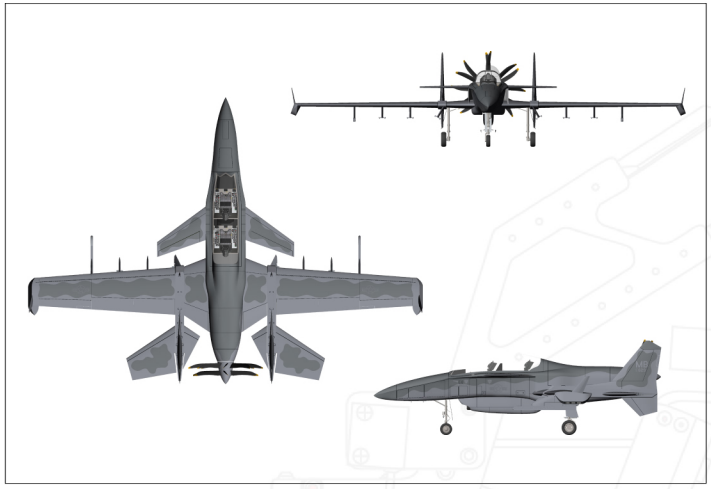
Fixed Internal	1 x 30mm GAU-8/A
Ammunition	1,000 rds
External Hardpoints	8
Max External Warload	8,000 lbs

Avionics & Electronic Warfare

Radar (opt)	Vixen 500E or RACR
EO/IR (opt)	MX-10D or MX-15D
HUD	CED, HMD or LiteHUD
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM (opt)	AN/ALQ-211A(V)4
MAWS (opt)	AN/AAR-58
SPJ (opt)	AN/ALQ-214(V)4/5
Chaff/Flare	14 x AN/ALE-47

Performance

Max Level Speed @ SL	351 Ktas
Max Level Speed @ FL200	401 Ktas
Typical Cruise Speed @ SL	270 Ktas
Typical Cruise Speed @ FL350	300 Ktas
Typical Cruise Speed @ FL400	300 Ktas
Takeoff Speed; MTOW	118 Ktas
Stall Speed; MTOW	108 Ktas
Approach Speed; TLW	84 Ktas
Stall Speed; TLW	76 Ktas
Max Climb Rate @ SL	4,275 ft/min
Service Ceiling	45,000 ft
Max Speed Range, IF	2,089 nm
Max Speed Radius, IF	1,034 nm
Typical Cruise Range, IF	2,534 nm
Typical Cruise Radius, IF	1,214 nm
Typical Cruise Ferry Range	3,803 nm
Takeoff Ground Roll, TTW	1,995 ft
Landing Ground Roll, TLW	480 ft



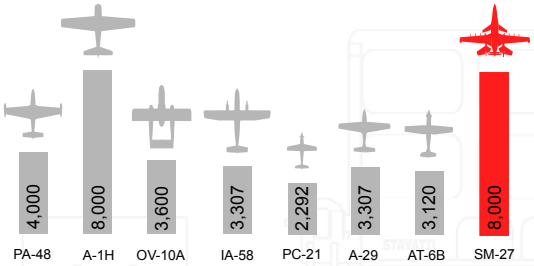
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

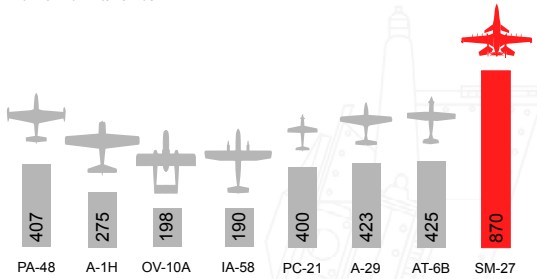
SM-27 COMPARISON

STAVATTI®

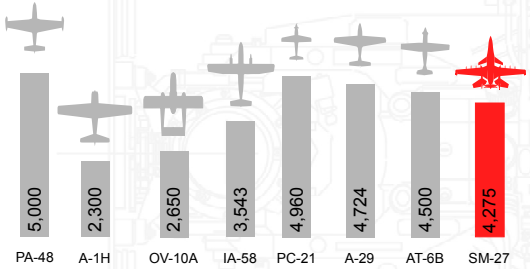
Maximum Warload (lbs)
With Maximum Internal Fuel



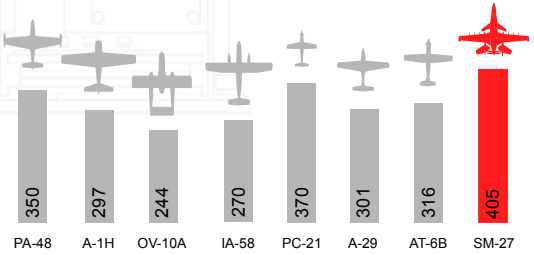
Tactical Radius (nm)
With Maximum Internal Fuel



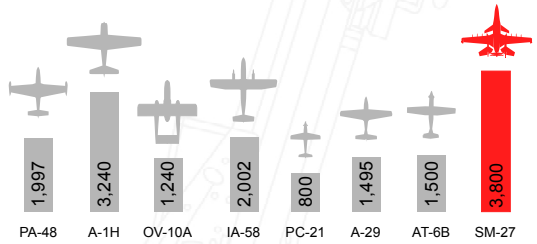
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



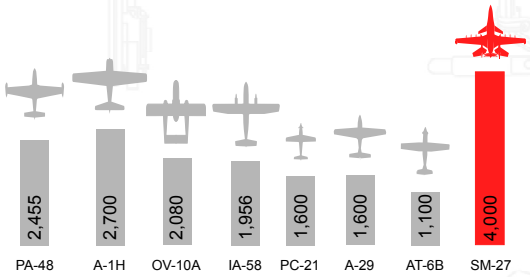
Maximum Level Speed (KTAS)
Aircraft in Clean Configuration



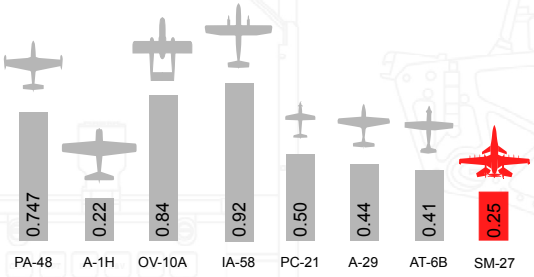
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



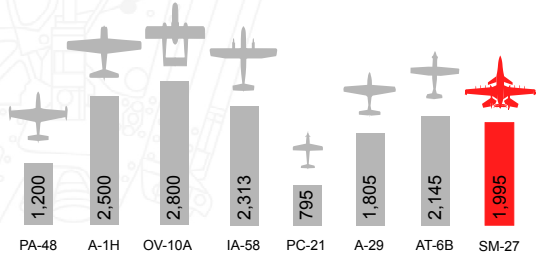
Maximum Power (SHP)
Maximum Sea Level Power



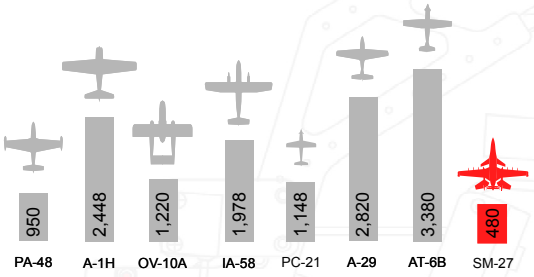
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



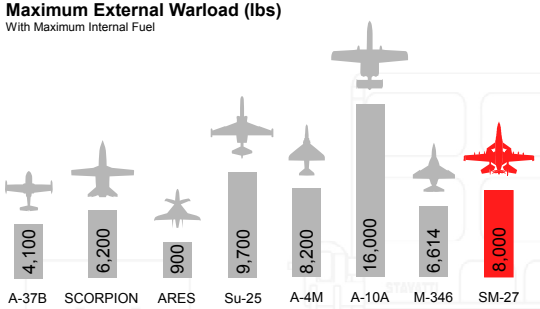
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

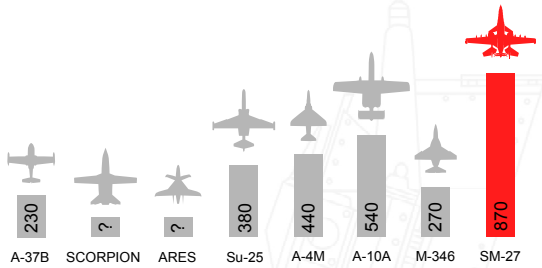
SM-27 COMPARISON

STAVATTI®

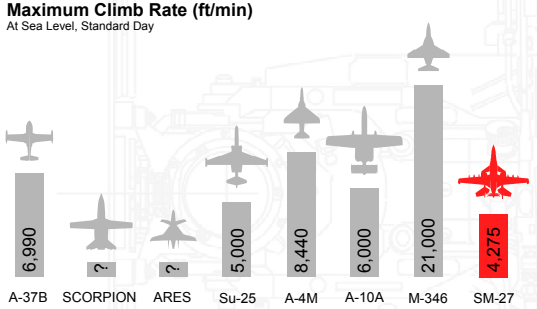
Maximum External Warload (lbs)
With Maximum Internal Fuel



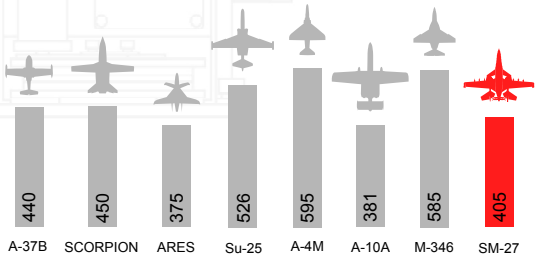
Tactical Radius (nm)
With Maximum Internal Fuel



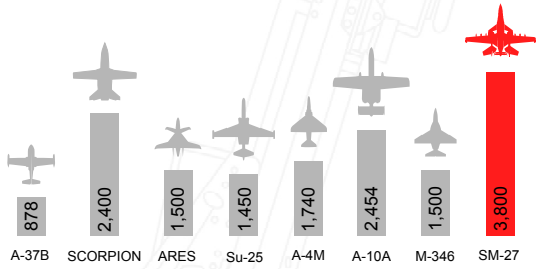
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



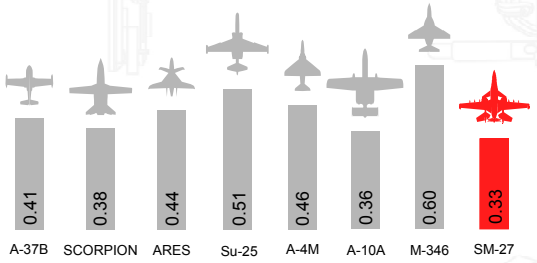
Maximum Level Speed (KTAS)
Aircraft in Clean Configuration



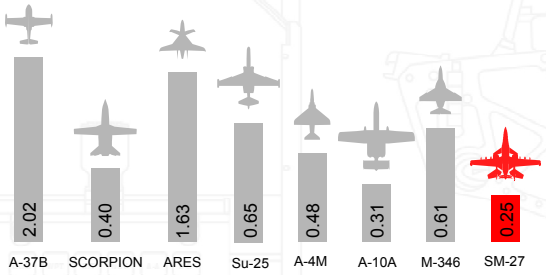
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



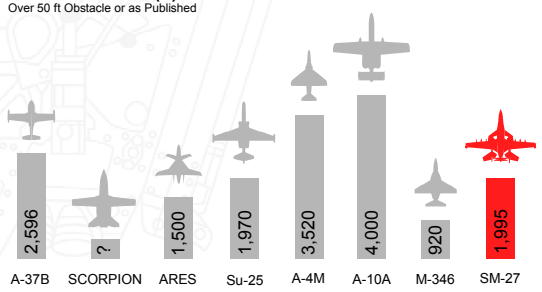
Thrust-to-Weight (t/w)
Maximum Sea Level Thrust/MTOW



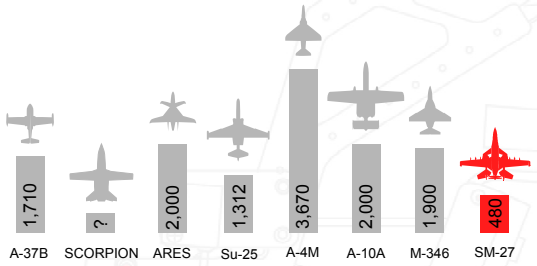
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-28 MACHETE

STAVATTI

The SM-28 is a single engine non-afterburning turbofan powered Close Air Support (CAS), Attack, Anti-Tank and Lead-In Trainer Aircraft. Armed with a 30mm cannon and able to carry 12,000 lbs of stores, the SM-28 has a maximum speed of over 0.90 Mach and a tactical radius of over 700 nm on internal fuel. Heavily armored, the SM-28 can replace the A-10 Warthog and all other subsonic CAS aircraft with greater effectiveness, efficiency and survivability.

SM-28 Machete
Turbofan
Attack/Close Air Support

0.85+ Mach
12,000 lb Warload
700 nm Radius

$25 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $4,000

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-28 SPECIFICATIONS

STAVATTI

SM-28 MACHETE SPECIFICATIONS

Aircraft: SM-27S/T Machete
Unit Flyaway Cost: $25,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

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

Powerplant

Number	1
Type	Non-Afterburning Turbofan
Model	E750 Derivative
Manufacturer	NeoThrust™
Max Thrust (lbs)	14,756
Air Inlets	Bifurcated Pitot Shock
Nozzle	Fixed With Chevrons

Dimensions

Max Wingspan	53 ft 0 in
Max Length	38 ft 6 in
Max Height	12 ft 11 in
Wing Area	354
Wing Aspect Ratio	8.4
Wing LE Sweep	4.25°

Weights

Empty	16,000 lbs
Max Internal Fuel (JP-8)	6,000 lbs
Max External Warload	12,000 lbs
Clean Takeoff (TPW)	24,860 lbs
Typical Combat (TCW)	26,800 lbs
Max Take-Off (MTOW)	36,000 lbs

Loadings

Wing Loading-TCW	75.7 lbs/sq ft
Wing Loading-MTOW	101.7 lbs/sq ft
Thrust-to-Weight-TCW	0.55 to 1
Thrust-to-Weight-MTOW	0.41 to 1
Design Load Factor-TCW	+10.0/-5.0
Design Load Factor-MTOW	+7.5/-3.7

Armament

Fixed Internal	1 x 30mm GAU-8/A
Ammunition	1,000 rds
External Hardpoints	8
Max External Warload	8,000 lbs

Avionics & Electronic Warfare

Radar (opt)	Vixen 500E or RACR
EO/IR (opt)	MX-10D or MX-15D
HUD	CED, HMD or LiteHUD
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM (opt)	AN/ALQ-211A(V)4
MAWS (opt)	AN/AAR-58
SPJ (opt)	AN/ALQ-214(V)4/5
Chaff/Flare	14 x AN/ALE-47

Performance

Max Level Speed @ SL	0.90 Mach
Max Level Speed @ FL350	0.90 Mach
Typical Cruise Speed @ SL	0.80 Mach
Typical Cruise Speed @ FL100	0.80 Mach
Typical Cruise Speed @ FL350	0.80 Mach
Takeoff Speed; MTOW	130 Ktas
Stall Speed; MTOW	118 Ktas
Approach Speed; TLW	95 Ktas
Stall Speed; TLW	79 Ktas
Max Climb Rate @ SL	17,000 ft/min
Service Ceiling	55,000 ft
Max Speed Range, IF	1,067 nm
Max Speed Radius, IF	518 nm
0.85 Mach Range, IF	1,394 nm
0.85 Mach Radius, IF	677 nm
0.85 Mach Ferry Range	3,830 nm
Takeoff Ground Roll, TTW	1,765 ftt
Landing Ground Roll, TLW	2,063 ft

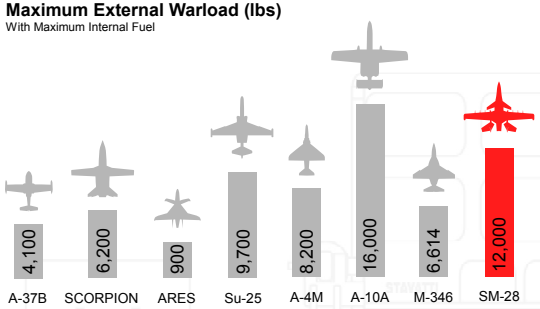
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

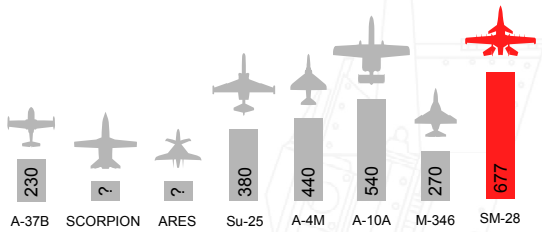
SM-28 COMPARISON

STAVATTI®

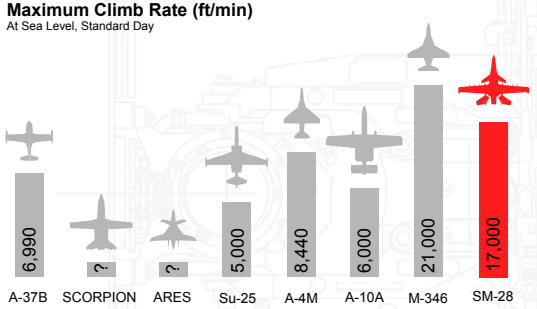
Maximum External Warload (lbs)
With Maximum Internal Fuel



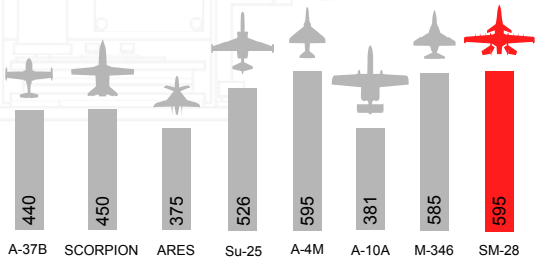
Tactical Radius (nm)
With Maximum Internal Fuel



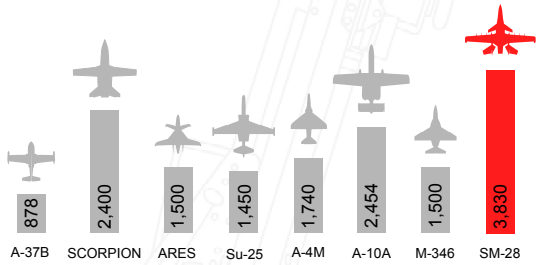
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



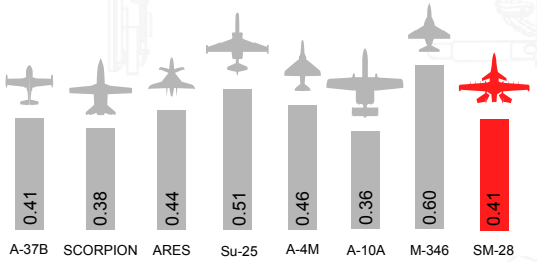
Maximum Level Speed (KTAS)
Aircraft in Clean Configuration



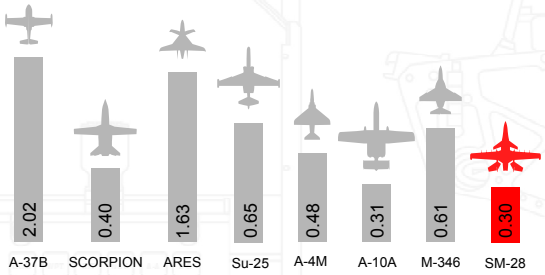
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



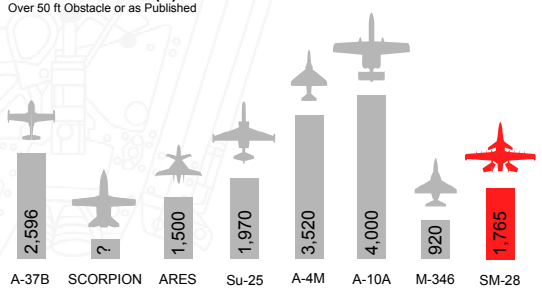
Thrust-to-Weight (t/w)
Maximum Sea Level Thrust/MTOW



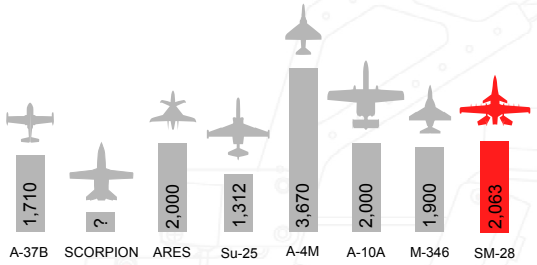
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-29 SUPER FULCRUM

STAVATTI

The SM-29 Super Fulcrum is a Transformational Upgrade of existing MiG-29s by Stavatti. The upgrade includes the installation of new F414 powerplants, APG-79 AESA Radar, advanced IFF/NAV/COMM comprehensive electronic countermeasures (ECM), upgraded cockpit with Large Area Active Displays, upgraded landing gear, Stavatti proprietary Conformal Fuel Tanks (CFTs), NATO pylons and airframe life extension. Unit cost per upgrade is approximately $30 Million per aircraft or Stavatti can provide a fully upgraded remanufactured aircraft for $35 Million

SM-29E Super Fulcrum
Afterburning Turbofans
Multi-Role Fighter

Mach 2.5+
14,980 lb Warload
485 nm Radius

$30 Million Unit Upgrade Cost

Cost Per Flight Hour (CPFH): $6,017

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-29 SPECIFICATIONS

STAVATTI

SM-29 SUPER FULCRUM SPECIFICATIONS

Aircraft: SM-29E Super Fulcrum
Unit Upgrade Cost: $30,000,000

Upgrade Of: MiG-29, MiG-29S/SE/SM/M/SMT/G
Upgrade Provider: Stavatti Aerospace Ltd

Accommodation

Crew	Single Seat
Seating	K-36DM Ejection Seat

Powerplant

Number	2
Type	Afterburning Turbofan
Model	F414 EPE
Manufacturer	GEAE
Afterburning Thrust	26,300 lbs
Military Thrust	16,800 lbs
Total Thrust	52,600 lbs
Air Inlets	Multi-Segment Ramp
Nozzle	LO Variable Geometry

Dimensions

Max Wingspan	37 ft 3.25 in
Max Length	53 ft 5 in
Max Height	15 ft 6.25 in
Wing Area	409 sq ft

Weights

Empty Operating	24,960 lbs
Max Internal Fuel (IF)	12,060 lbs
Max Warload	14,980 lbs
Takeoff Weight (TTW)	39,030 lbs
Combat Weight (TCW)	33,000 lbs
Max Weight (MTOW)	52,000 lbs

Loadings

Wing Loading-TCW	95.43 lbs/sq ft
Thrust/Weight-TCW	1.35 to 1
Wing Loading-MTOW	127.14 lbs/sq ft
Thrust/Weight-MTOW	1.01 to 1
Limit Load Factor-TCW	+10.0 g
Limit Load Factor-MTOW	+7.50 g

Armament

Fixed Internal	1 x Gsh-301 30mm Cannon
Ammunition	150 rds
External Hardpoints	7
Max External Warload	14,980 lbs

Avionics & Electronic Warfare

Radar	AN/APG-79 AESA
IRST	IRST21
Databus	MIL-STD-1553-B
HMDS	Gen III HMDS or JHMCS
HUD	Sparrowhawk or LiteHUD
HDD	20 x 8 in LAAD
Comm	AN/ARC-210(V) Gen V
IFF	AN/APX-126/125(V)/113(V)
Data Link	TACR-16DL
MMDP	FV-4000
GPS/INS	FALCN
RF ECM	AN/ALQ-211A(V)4 (Optional)
RWR	AN/ALQ-211A(V)4 (Optional)
MAWS	AN/AAR-58 (Optional)
SPJ	AN/ALQ-214 (Optional)
Chaff/Flare	BVP-30-26M & AN/ALE-47

Performance

Max Level Speed-SL	1.22 Mach
Max Level Speed-FL360	2.55 Mach
Stall Speed, TTW-SL	120 Ktas
Stall Speed, TLW-SL	102 Ktas
Takeoff Speed, TTW-SL	132 Ktas
Takeoff Speed, MTOW-SL	152 Ktas
Approach Speed, TLW-SL	123 Ktas
Service Ceiling	62,000 ft
Max ROC, TCW-SL	83,400 ft/min
Tactical Radius, IF	485 nm
Max Range, IF	1,292 nm
Ferry Range (No IFR)	2,096 nm
Take-off Run, TTW	749 ft
Landing Run, TLW	1,972 ft

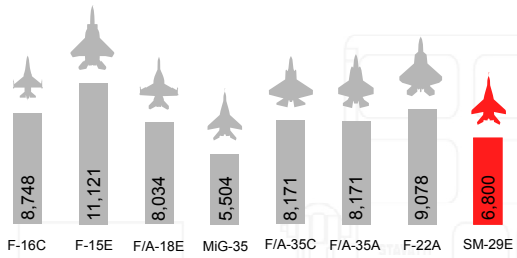
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

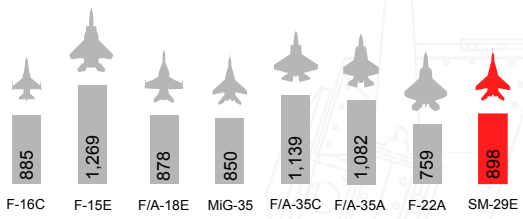
SM-29E COMPARISON

STAVATTI®

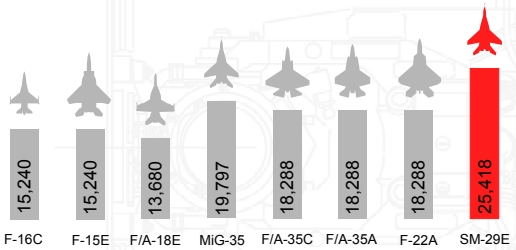
Maximum Warload (kg)
With Partial Internal Fuel



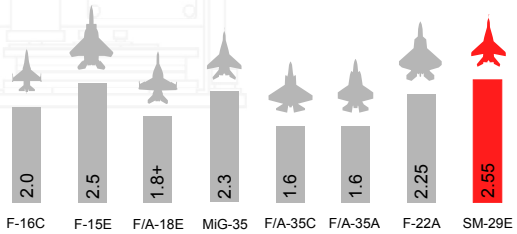
Tactical Radius (km)
With Maximum Internal Fuel



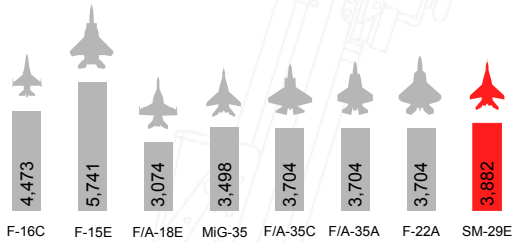
Maximum Climb Rate (m/min)
Typical Combat Weight @ Sea Level, Standard Day



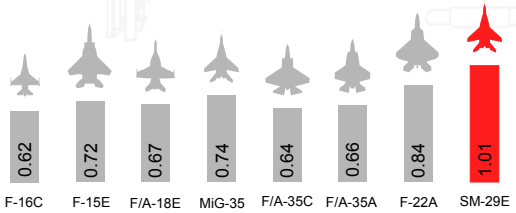
Maximum Level Speed (Mach Number)
Aircraft in Clean Configuration @ Altitude



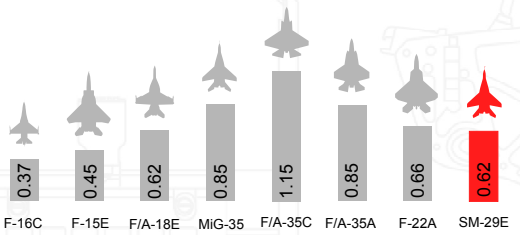
Ferry Range (km)
With Maximum Internal + Maximum External Fuel



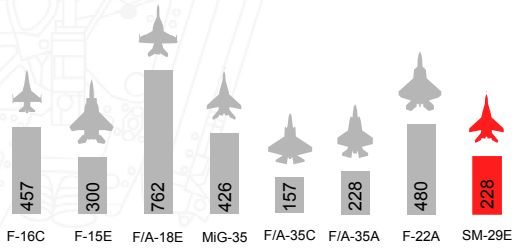
Thrust to Weight Ratio
MTOW @ Maximum Power



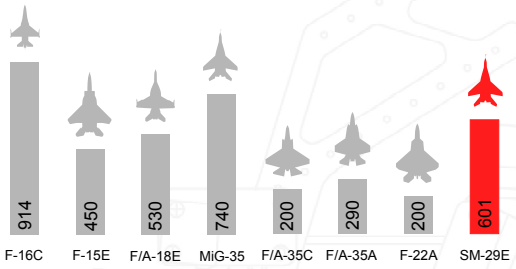
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (m)
BFL Over 15.24m Obstacle



Landing Distance (m)
BFL Over 15.24m Obstacle



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-31 STILETTO

STAVATTI

The SM-31 Stiletto is an advanced, 5th generation supersonic trainer and light fighter. Produced in single seat (SM-31S) and two seat (SM-31T) configurations, the SM-31 is a stealthy, single engine aircraft with an internal weapons bay. The SM-31 will replace F-5, T-38, T-50, Boeing T-7A and MiG-21 aircraft worldwide.

SM-31 Stiletto
Afterburning Turbofan
Trainer and Light Fighter

1.5+ Mach
7,250 lb Warload
1,300+ nm Range

$23 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $4,398

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-31T SPECIFICATIONS

STAVATTI

SM-31T STILETTO SPECIFICATIONS

Aircraft: SM-31T Stiletto
Unit Flyaway Cost: $23,000,000
Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Two Seat
Seating	MK16 or MK18 Ejection Seats

Powerplant

Number	1
Type	Afterburning Turbofan
Model	E450-NT-125
Manufacturer	NeoThrust™
Afterburning Thrust (lbs)	12,500
Military Thrust (lbs)	10,590
Air Inlets	Bifurcated Pitot Shock
Nozzle	VG Thrust Vectoring

Dimensions

Max Wingspan	24 ft 0 in
Max Length	41 ft 8 in
Max Height	9 ft 0 in
Wing Area	176 sq ft
Wing Aspect Ratio	3.27
Wing LE Sweep	30°

Weights

Empty	8,700 lbs
Max Internal Fuel (JP-8)	4,000 lbs
Typical Takeoff (TTW)	13,750 lbs
Mid-Mission Weight (MMW)	11,750 lbs
Max Take-Off (MTOW)	21,000 lbs

Loadings

Wing Loading-MMW	68.8 lbs/sq ft
Wing Loading-MTOW	119.3 lbs/sq ft
Thrust-to-Weight-MMW	1.06 to 1
Thrust-to-Weight-MTOW	0.59 to 1
Design Load Factor-MTOW	+9.0
Ultimate Load Factor-MTOW	+13.5

Armament

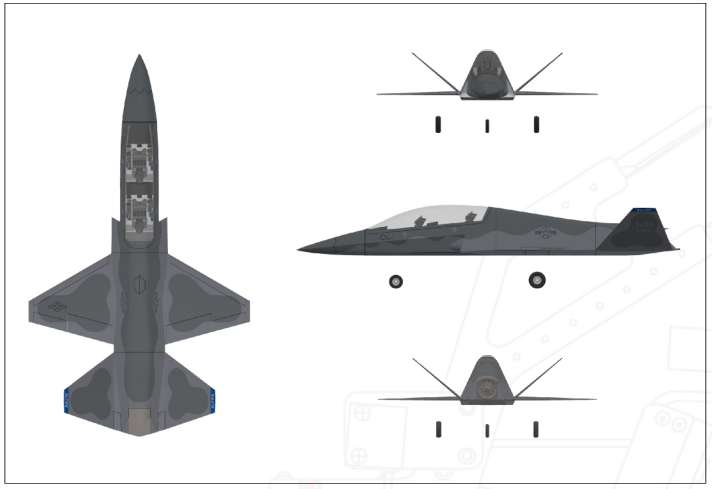
Fixed Internal	1 x 20mm M61A2
Ammunition	500 rds
Stores Stations (Internal & External)	8
Max Warload	7,250 lbs

Avionics & Electronic Warfare

Radar (opt)	PhantomStrike AESA
IRST	EOTS
HUD	CED, HMD or LiteHUD
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM (opt)	AN/ALQ-211A(V)4
MAWS (opt)	AN/AAR-58
SPJ (opt)	AN/ALQ-214(V)4/5
Chaff/Flare	AN/ALE-47

Performance

Max Level Speed @ SL	1.03 Mach
Max Level Speed @ FL400	1.30 Mach
Max Cruise Speed @ SL	0.90 Mach
Max Cruise Speed @ FL350	0.90 Mach
Typical Cruise Speed @ FL350	0.80 Mach
Takeoff Speed; MTOW	182 Ktas
Stall Speed; MTOW	165 Ktas
Approach Speed; TLW	121 Ktas
Stall Speed; TLW	105 Ktas
Max Climb Rate @ SL	40,918 ft/min
Service Ceiling Exceeds	55,000 ft
1.00 Mach Range, IF	391 nm
1.30 Mach Range, IF	198 nm
0.85 Mach Range, IF	1,280 nm
Air Superiority Radius, IF	352 nm
Ferry Range	1,983 nm
Takeoff Ground Roll, TTW	1,301 ft
Landing Ground Roll, TLW	2,224 ft



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-31S SPECIFICATIONS

STAVATTI

SM-31S STILETTO SPECIFICATIONS

Aircraft: SM-31S Stiletto
Unit Flyaway Cost: $23,000,000
Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Single Seat
Seating	MK16 or MK18 Ejection Seats

Powerplant

Number	1
Type	Afterburning Turbofan
Model	N450-NT-160
Manufacturer	NeoThrust™
Afterburning Thrust (lbs)	16,000
Military Thrust (lbs)	13,763
Air Inlets	Bifurcated Pitot Shock
Nozzle	VG Thrust Vectoring

Dimensions

Max Wingspan	24 ft 0 in
Max Length	41 ft 8 in
Max Height	9 ft 0 in
Wing Area	176 sq ft
Wing Aspect Ratio	3.27
Wing LE Sweep	30°

Weights

Empty	8,600 lbs
Max Internal Fuel (JP-8)	4,000 lbs
Typical Takeoff (TTW)	13,772 lbs
Mid-Mission Weight (MMW)	11,772 lbs
Max Take-Off (MTOW)	21,000 lbs

Loadings

Wing Loading-MMW	66.9 lbs/sq ft
Wing Loading-MTOW	119.3 lbs/sq ft
Thrust-to-Weight-MMW	1.36 to 1
Thrust-to-Weight-MTOW	0.76 to 1
Design Load Factor-MTOW	+9.0
Ultimate Load Factor-MTOW	+13.5

Armament

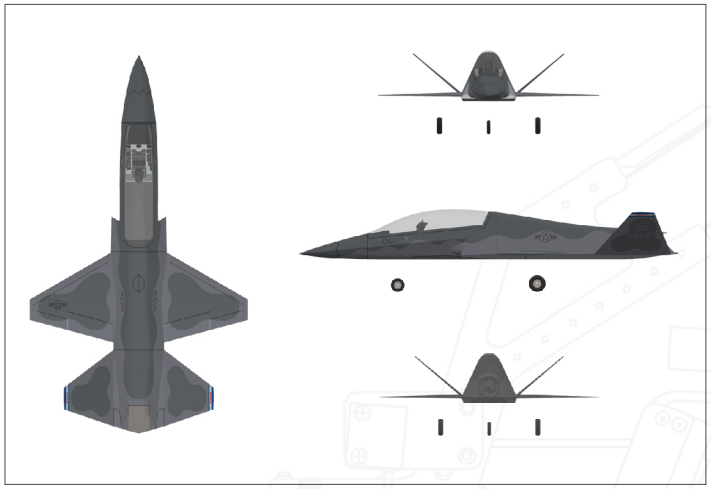
Fixed Internal	1 x 20mm M61A2
Ammunition	500 rds
Stores Stations (Internal & External)	8
Max Warload	7,600 lbs

Avionics & Electronic Warfare

Radar (opt)	PhantomStrike AESA
IRST	EOTS
HUD	CED, HMD or LiteHUD
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM (opt)	AN/ALQ-211A(V)4
MAWS (opt)	AN/AAR-58
SPJ (opt)	AN/ALQ-214(V)4/5
Chaff/Flare	AN/ALE-47

Performance

Max Level Speed @ SL	1.26 Mach
Max Level Speed @ FL400	2.60 Mach
Max Cruise Speed @ SL	0.90 Mach
Max Cruise Speed @ FL350	0.90 Mach
Typical Cruise Speed @ FL350	0.80 Mach
Takeoff Speed; MTOW	163 Ktas
Stall Speed; MTOW	148 Ktas
Approach Speed; TLW	118 Ktas
Stall Speed; TLW	102 Ktas
Max Climb Rate @ SL	92,769 ft/min
Service Ceiling Exceeds	60,000 ft
2.60 Mach Range, IF	316 nm
1.50 Mach Range, IF	357 nm
0.85 Mach Range, IF	1,301 nm
Air Superiority Radius, IF	371 nm
Ferry Range	2,054 nm
Takeoff Ground Roll, TTW	986 ft
Landing Ground Roll, TLW	2,660 ft



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-31A SPECIFICATIONS

STAVATTI

SM-31A STILETTO SPECIFICATIONS

Aircraft: SM-31A Stiletto
Unit Flyaway Cost: $20,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Two Seat
Seating	MK16 or MK18 Ejection Seats

Powerplant

Number	1
Type	Afterburning Turbofan
Model	E450-NT-100
Manufacturer	NeoThrust™
Afterburning Thrust (lbs)	10,000
Military Thrust (lbs)	6,325
Air Inlets	Bifurcated Pitot Shock
Nozzle	VG Thrust Vectoring

Dimensions

Max Wingspan	24 ft 0 in
Max Length	41 ft 8 in
Max Height	9 ft 0 in
Wing Area	176 sq ft
Wing Aspect Ratio	3.27
Wing LE Sweep	30°

Weights

Empty	7,100 lbs
Max Internal Fuel (JP-8)	4,000 lbs
Typical Takeoff (TTW)	11,800 lbs
Mid-Mission Weight (MMW)	9,800 lbs
Max Take-Off (MTOW)	12,500 lbs

Loadings

Wing Loading-MMW	55.6 lbs/sq ft
Wing Loading-MTOW	71.0lbs/sq ft
Thrust-to-Weight-MMW	1.02 to 1
Thrust-to-Weight-MTOW	0.80 to 1
Design Load Factor-MTOW	+9.0
Ultimate Load Factor-MTOW	+13.5

Armament

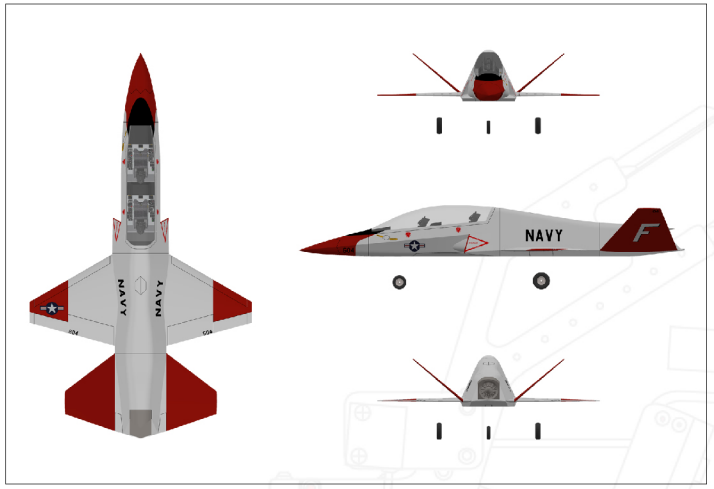
Fixed Internal	None
Ammunition	None
Stores Stations (Internal & External)	8
Max Warload	1,100 lbs (7,250 lbs Ultimate)

Avionics & Electronic Warfare

Radar	PhantomStrike AESA (Optional)
IRST	EOTS (Optional)
HUD	CED, HMD or LiteHUD
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125 (Optional)
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM	None
MAWS	None
SPJ	None
Chaff/Flare	AN/ALE-47 (Optional)

Performance

Max Level Speed @ SL	1.00 Mach
Max Level Speed @ FL400	1.04 Mach
Max Cruise Speed @ SL	0.90 Mach
Max Cruise Speed @ FL350	0.90 Mach
Typical Cruise Speed @ FL350	0.80 Mach
Takeoff Speed; MTOW	140 Ktas
Stall Speed; MTOW	128 Ktas
Approach Speed; TLW	114 Ktas
Stall Speed; TLW	99 Ktas
Max Climb Rate @ SL; MTOW	26,591 ft/min
Max Climb Rate @ SL; MMW	35,679 ft/min
Service Ceiling Exceeds	60,000 ft
1.00 Mach Range, IF	441 nm
0.80 Mach Range, IF	1,343 nm
Air Superiority Radius, IF	371 nm
Ferry Range	2,271 nm
Takeoff Ground Roll, TTW	1,763 ft
Landing Ground Roll, TLW	1,997 ft



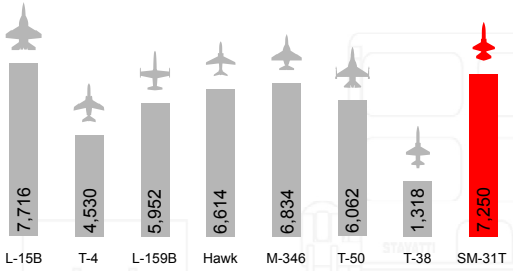
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

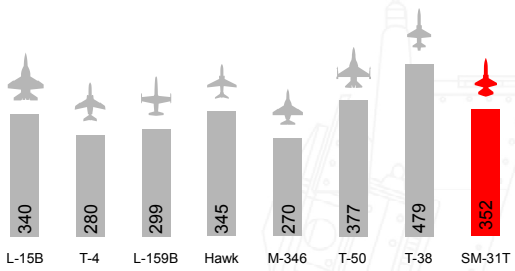
SM-31T COMPARISON

STAVATTI

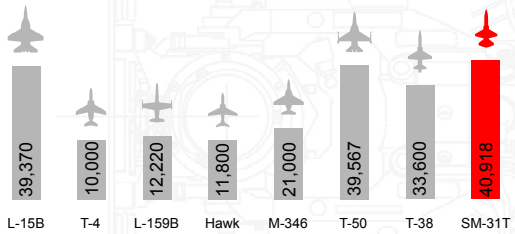
Maximum Warload (lbs)
With Maximum Internal Fuel or As Published



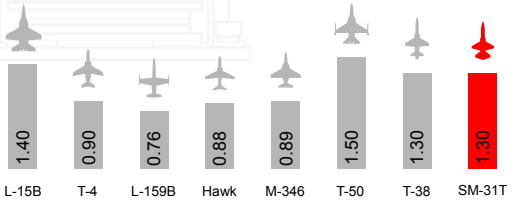
Tactical Radius (nm)
With Maximum Internal Fuel



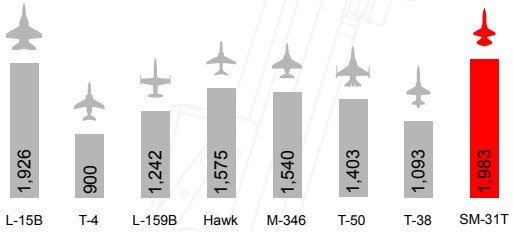
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



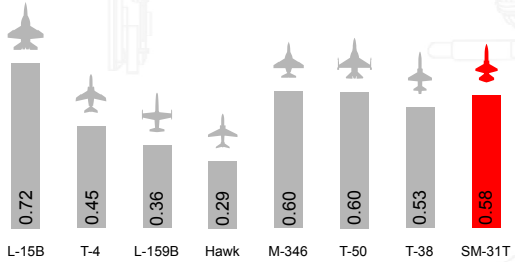
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



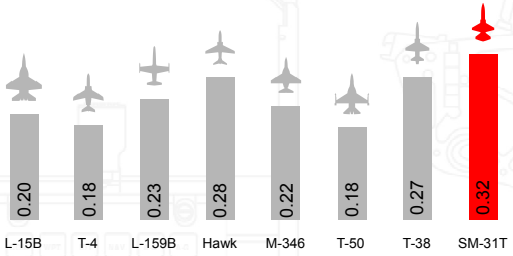
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



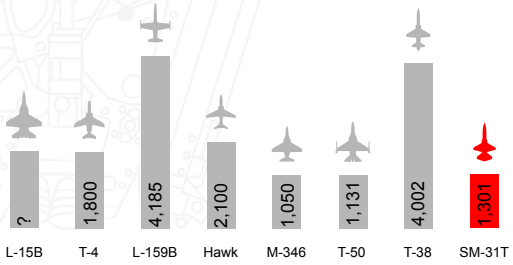
Thrust-to-Weight Ratio
MTOW @ Maximum Power



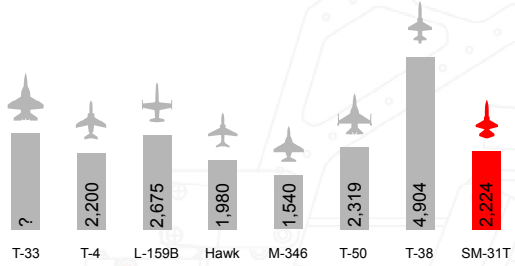
Nautical Miles Per lb Fuel
Nautical Miles per lb of Fuel Consumed



Takeoff Distance (ft)
Ground Roll Distance or As Published



Landing Distance (ft)
Ground Roll Distance or As Published



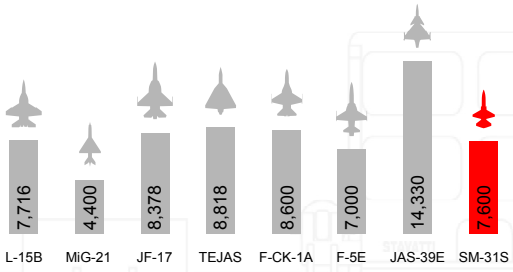
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

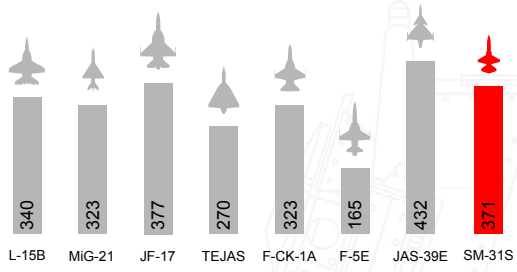
SM-31S COMPARISON

STAVATTI®

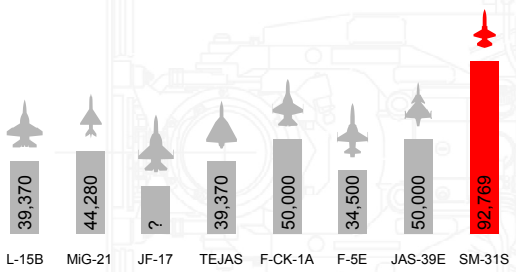
Maximum Warload (lbs)
With Partial Internal Fuel



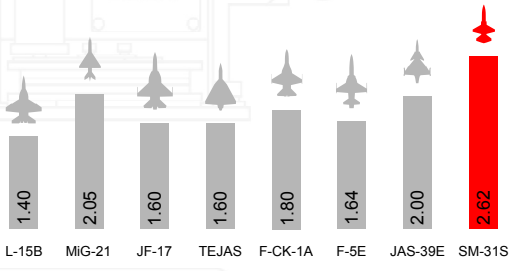
Tactical Radius (nm)
With Maximum Internal Fuel or As Published



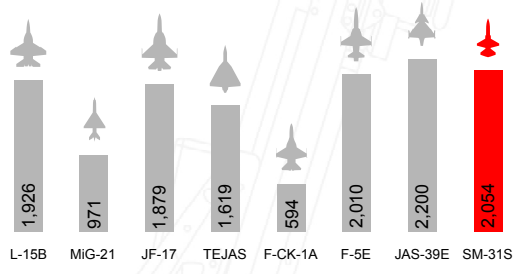
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



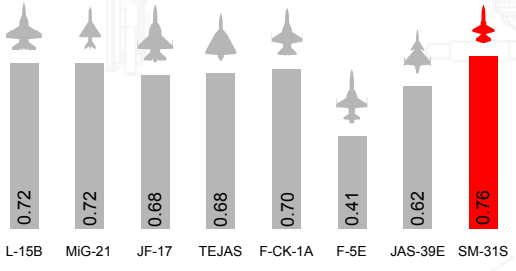
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



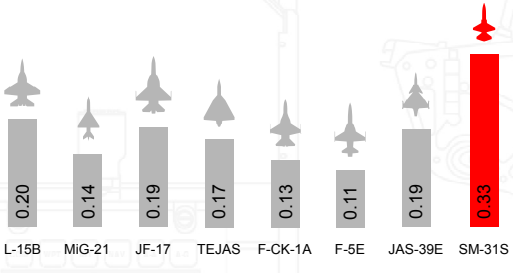
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



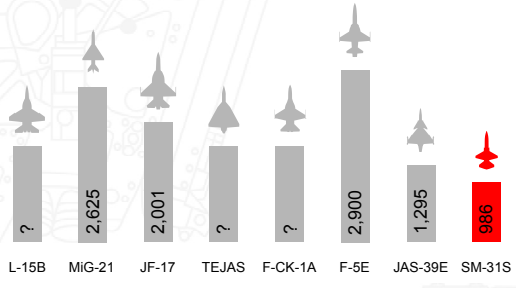
Thrust-to-Weight Ratio
MTOW @ Maximum Power



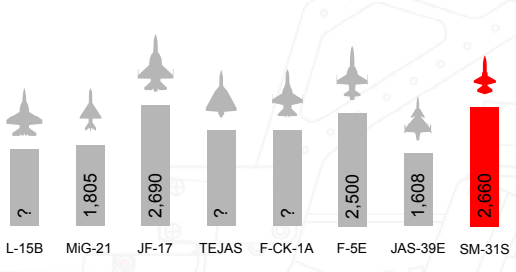
Nautical Miles Per lb Fuel
Nautical Miles per lb of Fuel Consumed



Takeoff Distance (ft)
Ground Roll Distance or As Published



Landing Distance (ft)
Ground Roll Distance or As Published



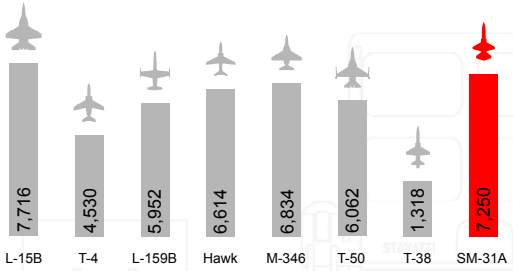
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

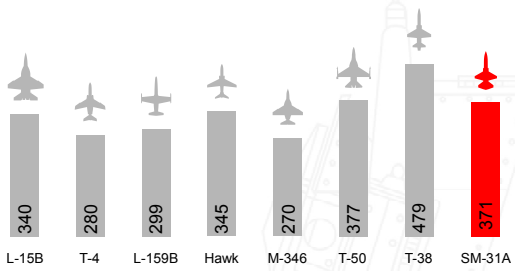
SM-31A COMPARISON

STAVATTI

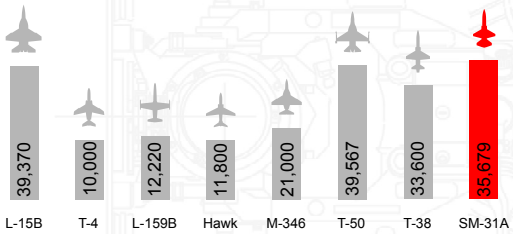
Maximum Warload (lbs)
With Maximum Internal Fuel or As Published



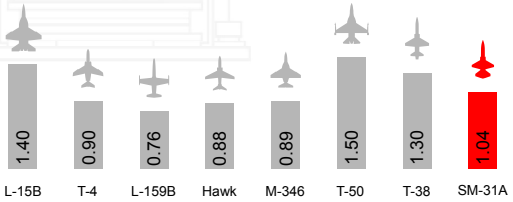
Tactical Radius (nm)
With Maximum Internal Fuel



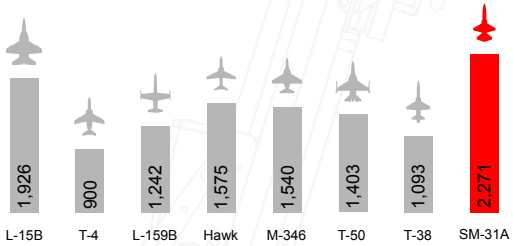
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



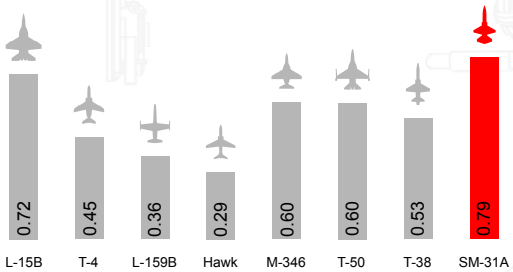
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



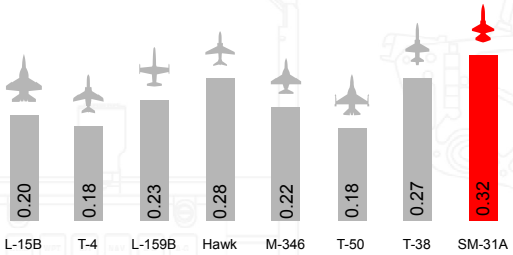
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



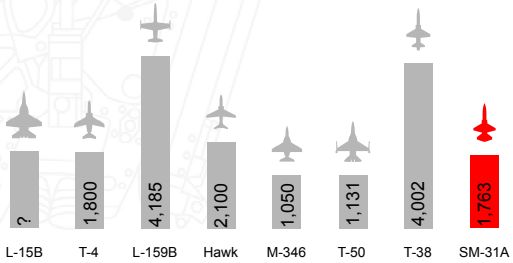
Thrust-to-Weight Ratio
MTOW @ Maximum Power



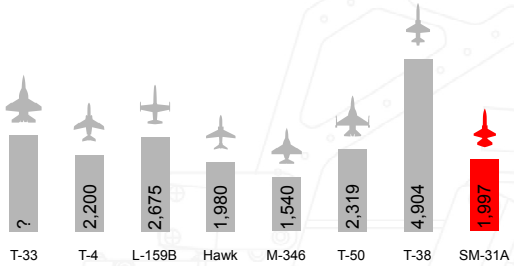
Nautical Miles Per lb Fuel
Nautical Miles per lb of Fuel Consumed



Takeoff Distance (ft)
Ground Roll Distance or As Published



Landing Distance (ft)
Ground Roll Distance or As Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-31U STILETTO

STAVATTI

SM-31U STILETTO SPECIFICATIONS

Aircraft: SM-31U Unpiloted Combat Aircraft (UCA)
Unit Flyaway Cost: $20,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Unpiloted Architecture

Remote	Securely Remotely Piloted
Autonomy	Stavatti Synthetic Intelligence

Powerplant

Number	1
Type	Afterburning Turbofan
Model	E450-NT-125
Manufacturer	NeoThrust™
Afterburning Thrust (lbs)	12,500
Military Thrust (lbs)	10,590
Air Inlets	Bifurcated Pitot Shock
Nozzle	VG Thrust Vectoring

Dimensions

Max Wingspan	24 ft 0 in
Max Length	41 ft 8 in
Max Height	9 ft 0 in
Wing Area	176 sq ft
Wing Aspect Ratio	3.27
Wing LE Sweep	30°

Weights

Empty	8,700 lbs
Max Internal Fuel (JP-8)	4,000 lbs
Typical Takeoff (TTW)	13,750 lbs
Mid-Mission Weight (MMW)	11,750 lbs
Max Take-Off (MTOW)	21,000 lbs

Loadings

Wing Loading-MMW	68.8 lbs/sq ft
Wing Loading-MTOW	119.3 lbs/sq ft
Thrust-to-Weight-MMW	1.01 to 1
Thrust-to-Weight-MTOW	0.58 to 1
Design Load Factor-MTOW	+9.0
Ultimate Load Factor-MTOW	+13.5

Armament

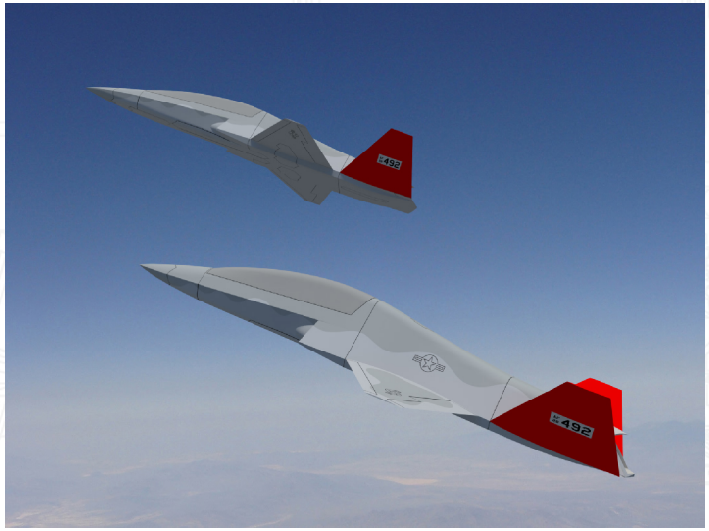
Fixed Internal	1 x 20mm M61A2
Ammunition	500 rds
Stores Stations (Internal & External)	8
Max Warload	7,250 lbs

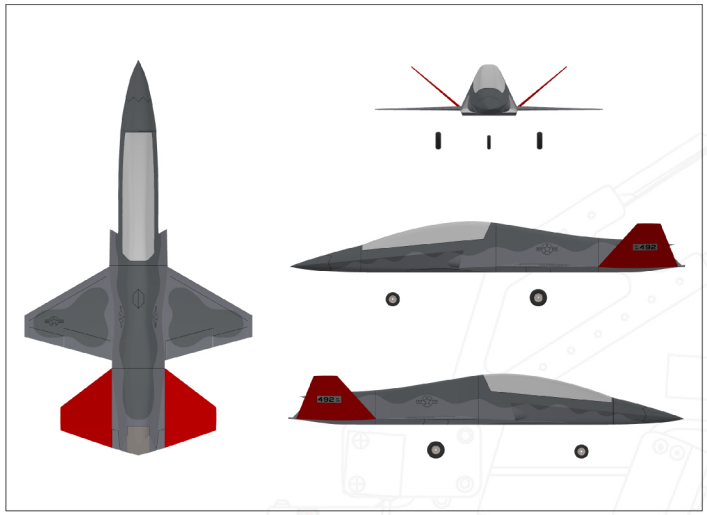
Avionics & Electronic Warfare

Radar (opt)	PhantomStrike AESA
IRST	EOTS
HUD	Not Applicable
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM (opt)	AN/ALQ-211A(V)4
MAWS (opt)	AN/AAR-58
SPJ (opt)	AN/ALQ-214(V)4/5
Chaff/Flare	AN/ALE-47

Performance

Max Level Speed @ SL	1.03 Mach
Max Level Speed @ FL400	1.30 Mach
Max Cruise Speed @ SL	0.90 Mach
Max Cruise Speed @ FL350	0.90 Mach
Typical Cruise Speed @ FL350	0.80 Mach
Takeoff Speed; MTOW	182 Ktas
Stall Speed; MTOW	165 Ktas
Approach Speed; TLW	121 Ktas
Stall Speed; TLW	105 Ktas
Max Climb Rate @ SL	40,918 ft/min
Service Ceiling Exceeds	55,000 ft
1.00 Mach Range, IF	391 nm
1.30 Mach Range, IF	198 nm
0.85 Mach Range, IF	1,280 nm
Air Superiority Radius, IF	352 nm
Ferry Range	1,983 nm
Takeoff Ground Roll, TTW	1,301 ft
Landing Ground Roll, TLW	2,224 ft





STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-36 STALMA

STAVATTI

The SM-36 Stalma is a single engine, afterburning turbofan powered, Lo-Observable Air Superiority and Multi-Role Fighter. Equipped with variable geometry swing wings, canard foreplanes, internal weapons carriage and thrust vectoring exhaust nozzles, the SM-36 is a Mach 2.6, super-maneuverable, 6th generation, STOL supercruise fighter intended to replace F/A-18E/Fs and F/A-35s.

SM-36 Stalma
Afterburning Turbofan
Multi-Role Fighter

Mach 2.6+
20,000 lb Warload
900 nm Radius

$50 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $5,682

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-36 SPECIFICATIONS

STAVATTI

SM-36 STALMA SPECIFICATIONS

Aircraft: SM-36 Stalma
Unit Flyaway Cost: $50,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Single (S) or Two Seat (T)
Seating	MK18 or ACES 5 Ejection Seats

Powerplant

Number	1
Type	Afterburning Turbofan
Model	E1400 VCE
Manufacturer	NeoThrust™
Afterburning Thrust (lbs)	50,000
Military Thrust (lbs)	42,000
Air Inlets	Internal Compression
Nozzle	LO VG Thrust Vectoring

Dimensions

Max Wingspan	64 ft 0 in/34 ft 9 in
Max Length	58 ft 0 in
Max Height	13 ft 6 in
Wing Area	580 sq ft
Wing Aspect Ratio	7.4/2.2
Wing LE Sweep	5°/70°

Weights

Empty	24,000 lbs
Max Internal Fuel (IF)	20,000 lbs
Max External Warload	21,000 lbs
Typical Combat (TCW)	37,000 lbs
Max Take-Off (MTOW)	65,000 lbs

Loadings

Wing Loading-TCW	63.8 lbs/sq ft
Wing Loading-MTOW	112.1 lbs/sq ft
Thrust-to-Weight-TCW	1.41 to 1
Thrust-to-Weight-MTOW	0.80 to 1
Design Load Factor-TCW	12.5
Design Load Factor-MTOW	7.5

Armament

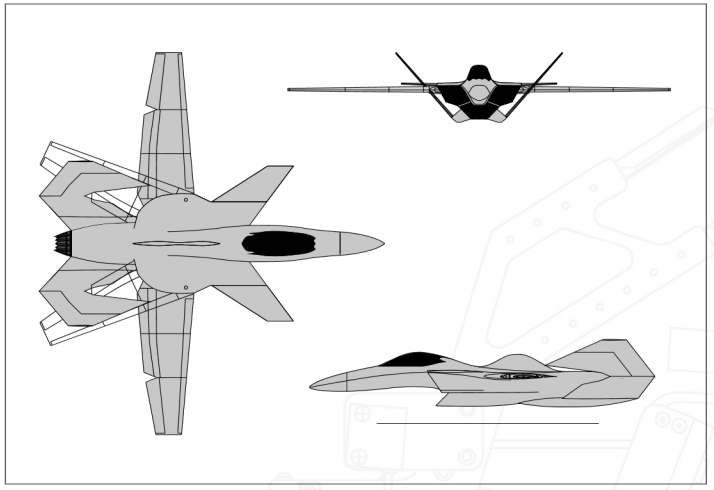
Fixed Internal	1 x 20mm M61A2 or DEW
Ammunition	1,000 rds
Stores Stations (Internal & External)	8
Max Warload	21,000 lbs

Avionics & Electronic Warfare

Radar	APG-81 or ARACR
IRST	EOTS or AEOTS
HUD	CED or HMD
Comm	AN/ASQ-242 or ACNI
IFF	AN/ASQ-242 or ACNI
Data Link	AN/ASQ-242 or ACNI
GPS/INS	FALCN
RF ECM	AN/ASQ-239 or AFIDEWS
MAWS	AN/ASQ-239 or AFIDEWS
DAS	AN/AAQ-37 or AFIDEWS
SPJ	AN/ASQ-239 or AFIDEWS
Chaff/Flare	AN/ALE-52

Performance

Max Level Speed @ SL	1.25 Mach
Max Level Speed @ FL350	2.60 Mach
Supercruise Speed @ SL	1.20 Mach
Supercruise Speed @ FL350	1.80 Mach
Typical Cruise Speed @ FL350	0.85 Mach
Approach Speed; TLW	118 Ktas
Stall Speed; TLW	97 Ktas
Max Climb Rate @ SL	75,000 ft/min
Service Ceiling	75,000 ft
Max Speed Range, IF	422 nm
Max Speed Radius, IF	201 nm
Supercruise Range, IF	1,577 nm
Supercruise Radius, IF	775 nm
0.85 Mach Range, IF	2,324 nm
0.85 Mach Radius, IF	1,142 nm
0.85 Mach Ferry Range	3,400 nm
Takeoff Ground Roll, TTW	1,543 ft
Landing Ground Roll, TLW	1,312 ft



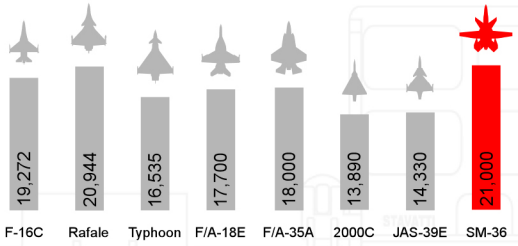
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

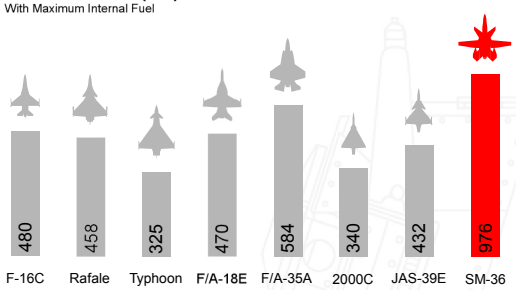
SM-36 COMPARISON

STAVATTI®

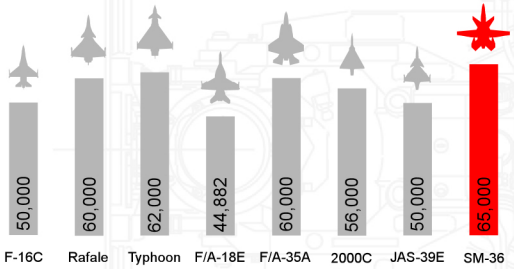
Maximum Warload (lbs)
With Partial Internal Fuel



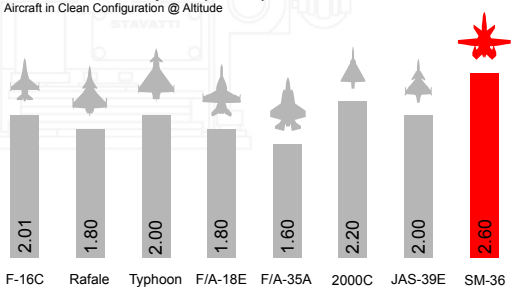
Tactical Radius (nm)
With Maximum Internal Fuel



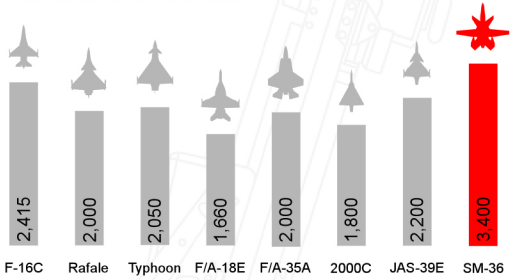
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



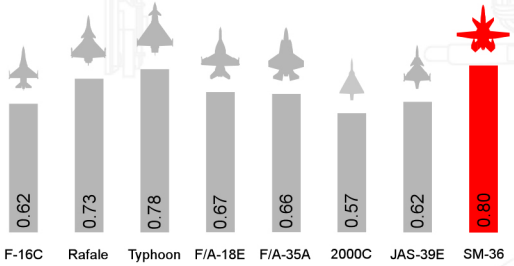
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



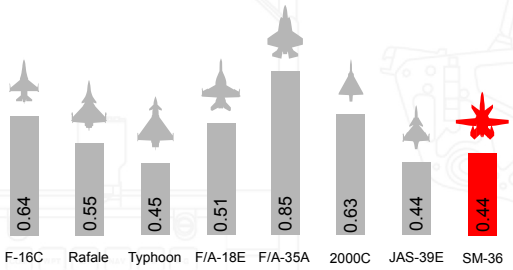
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



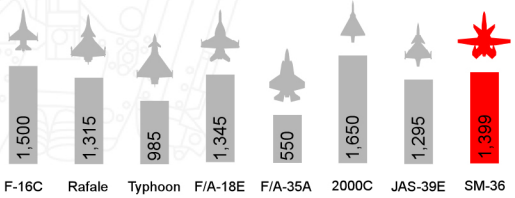
Thrust-to-Weight Ratio
MTOW @ Maximum Power



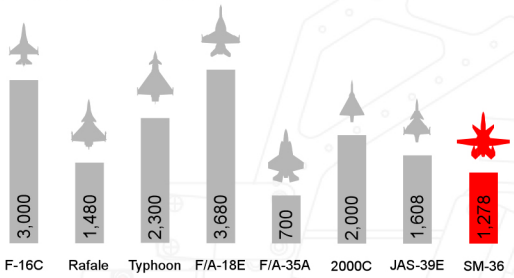
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



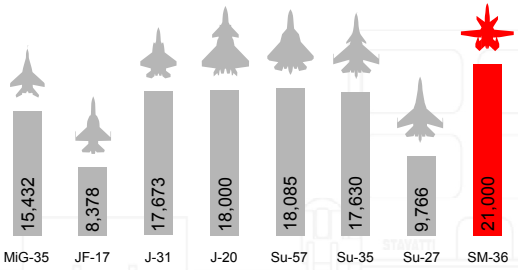
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

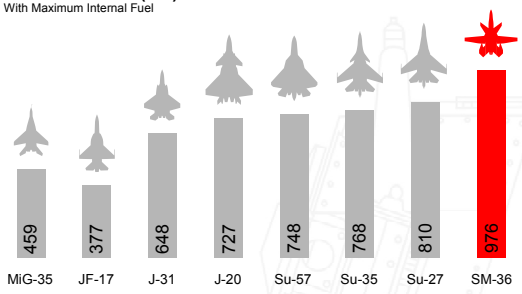
SM-36 COMPARISON

STAVATTI®

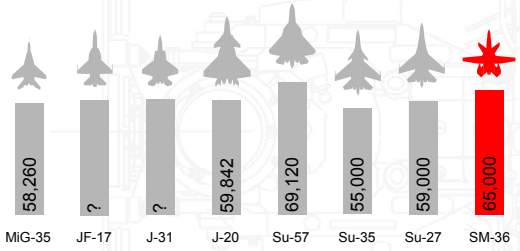
Maximum Warload (lbs)
With Partial Internal Fuel



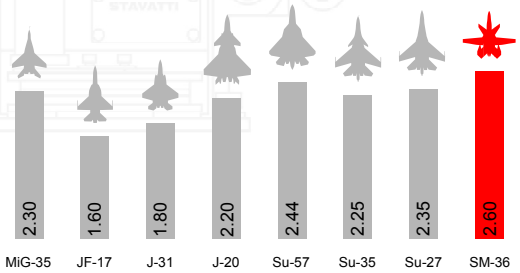
Tactical Radius (nm)
With Maximum Internal Fuel



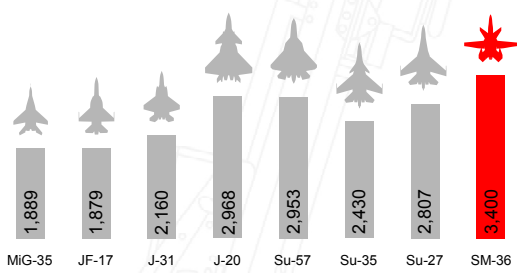
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



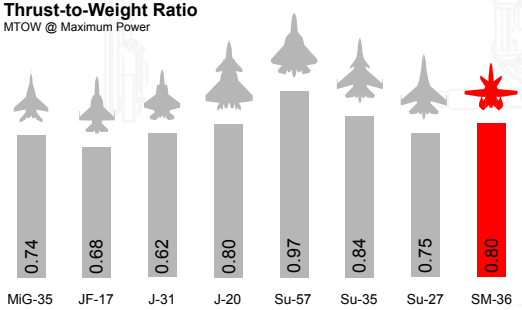
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



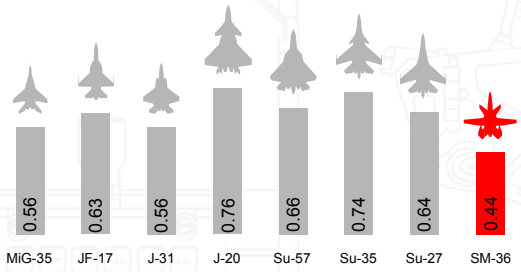
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



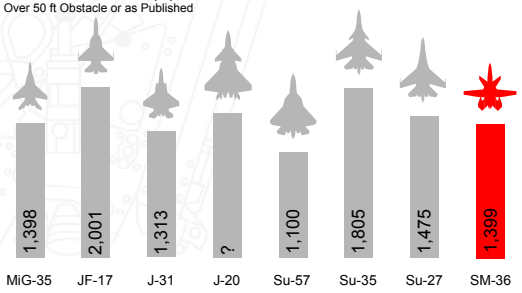
Thrust-to-Weight Ratio
MTOW @ Maximum Power



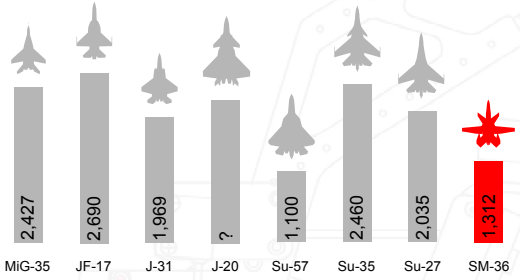
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

SM-39 RAZOR

STAVATTI

The SM-39 Razor is a 6th generation twin engine Air Superiority and Air Dominance Fighter designed for both land and carrier based operations. Powered by two next generation variable cycle afterburning turbofans, the SM-39 will have a maximum level speed in excess of Mach 4.0, a tactical radius greater than 1,300 nm, internal weapons carriage and super-maneuverability. The SM-39 will replace F-47, F/A-22, F-15, F-14, Su-27 and Su-57 aircraft.

SM-39 Razor
Afterburning Turbofans
Air Dominance Fighter

Mach 4+
25,000 lb Warload
1,300 nm Radius

$85 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $11,100

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-39 SPECIFICATIONS

STAVATTI

SM-39 RAZOR SPECIFICATIONS

Aircraft: SM-39 Razor
Unit Flyaway Cost: $85,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Single (S) or Two Seat (T)
Seating	MK18 or ACES 5 Ejection Seats

Powerplant

Number	2
Type	Afterburning Turbofan
Model	E1400-NT-520
Manufacturer	NeoThrust™
Afterburning Thrust (lbs)	52,400
Military Thrust (lbs)	42,700
Air Inlets	Internal Compression
Nozzle	LO VG Thrust Vectoring

Dimensions

Max Wingspan	53 ft 0 in
Max Length	70 ft 0 in
Max Height	13 ft 8 in
Wing Area	1,026 sq ft
Wing Aspect Ratio	2.74
Wing LE Sweep	50.0°

Weights

Empty	44,500 lbs
Max Internal Fuel (IF)	30,000 lbs
Max External Warload	25,000 lbs
Typical Combat (TCW)	66,000 lbs
Max Take-Off (MTOW)	100,500 lbs

Loadings

Wing Loading-TCW	64.3 lbs/sq ft
Wing Loading-MTOW	98.0 lbs/sq ft
Thrust-to-Weight-TCW	1.59 to 1
Thrust-to-Weight-MTOW	1.04 to 1
Design Load Factor-TCW	11.4 g
Design Load Factor-MTOW	7.5 g

Armament

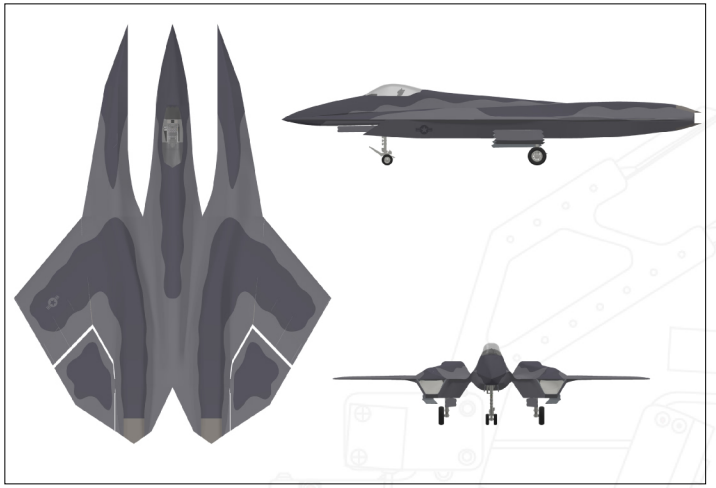
Fixed Internal	1 x 20mm M61A2 or DEW
Ammunition	1,000 rds
Stores Stations (Internal & External)	6
Max Warload	25,000 lbs

Avionics & Electronic Warfare

Radar	ARACR AESA
IRST	EOTS or AEOTS
HUD	CED or HMD
Comm	AN/ASQ-242 or ACNI
IFF	AN/ASQ-242 or ACN
Data Link	AN/ASQ-242 or ACN
GPS/INS	FALCN
RF ECM	AN/ASQ-239 or AFIDEWS
MAWS	AN/ASQ-239 or AFIDEWS
DAS	AN/ASQ-239 or ADAS
SPJ	AN/ASQ-239 or AFIDEWS
Chaff/Flare	AN/ALE-52

Performance

Max Level Speed @ SL	1.40 Mach
Max Level Speed @ FL600	4.20 Mach
Supercruise Speed @ FL400	2.00 Mach
Takeoff Speed: MTOW	152 Ktas
Stall Speed: MTOW	138 Ktas
Approach Speed: TLW	115 Ktas
Stall Speed; TLW	96 Ktas
Max Climb Rate @ SL	>99,485 ft/min
Service Ceiling	>100,000 ft
Max Speed Range, IF	1,277 nm
Supercruise Range, IF	1,700 nm
Supercruise Radius, F	750 nm
Air Superiority Radius, IF	1,400 nm
0.85 Mach Range, IF	2,419 nm
0.85 Mach Tactical Radius, IF	1,300 nm
0.85 Mach Ferry Range	5,200 nm
Takeoff Ground Roll, TTW	946 ft
Landing Ground Roll, TLW	1,501 ft



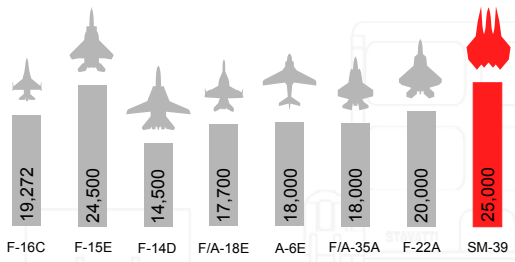
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

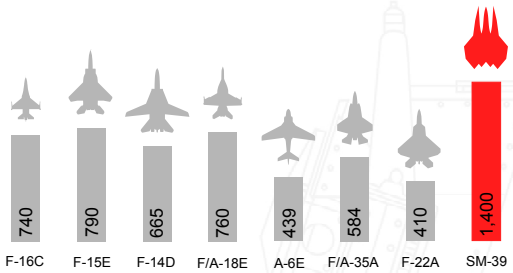
SM-39 COMPARISON

STAVATTI®

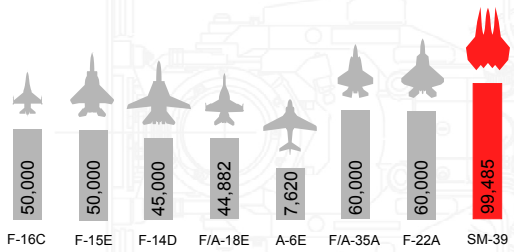
Maximum Warload (lbs)
With Partial Internal Fuel



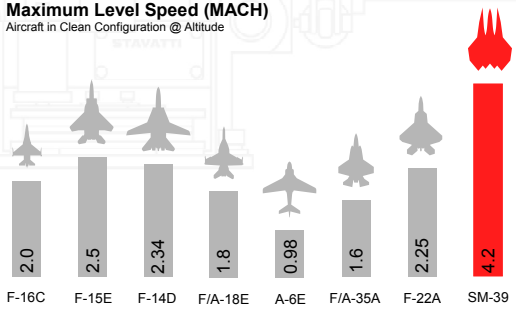
Tactical Radius (nm)
With Maximum Internal Fuel



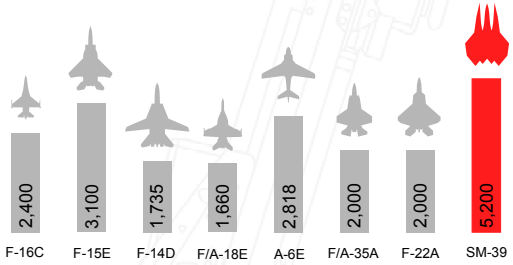
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



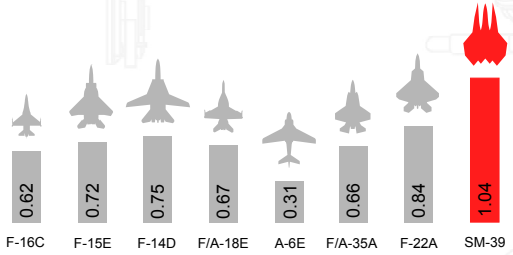
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



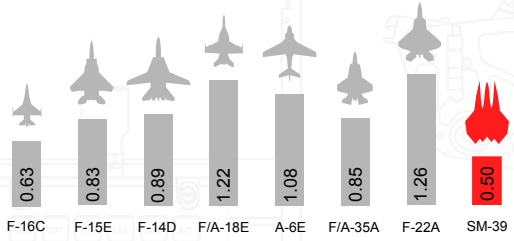
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



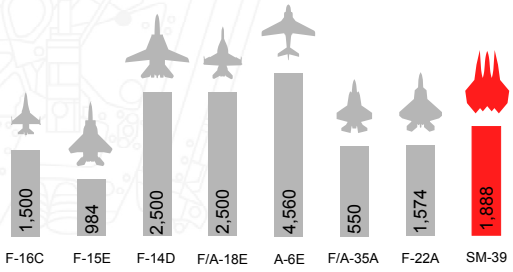
Thrust to Weight Ratio
MTOW @ Maximum Power



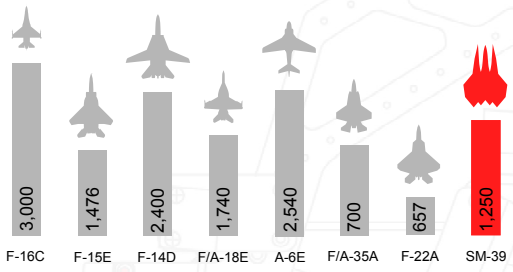
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle



Landing Distance (ft)
Over 50 ft Obstacle

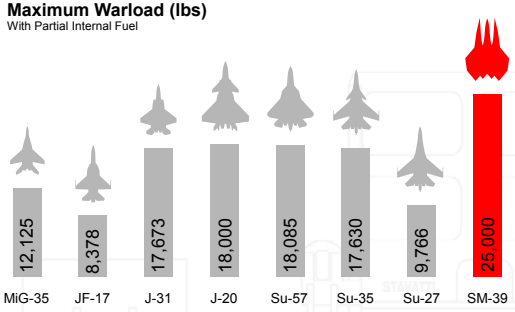


STAVATTI AEROSPACE

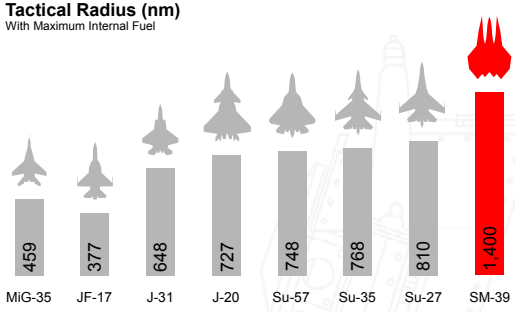
SM-39 COMPARISON

STAVATTI®

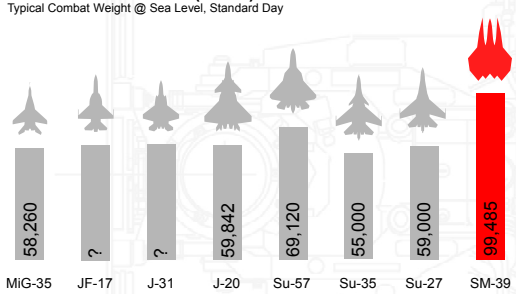
Maximum Warload (lbs)
With Partial Internal Fuel



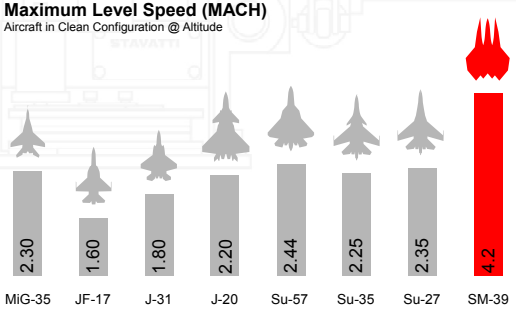
Tactical Radius (nm)
With Maximum Internal Fuel



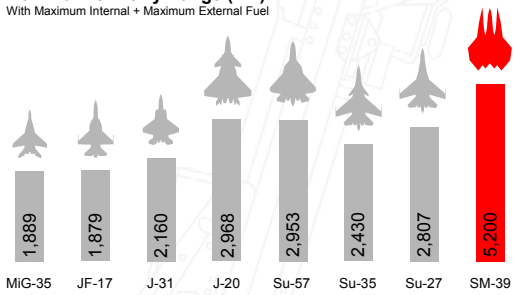
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



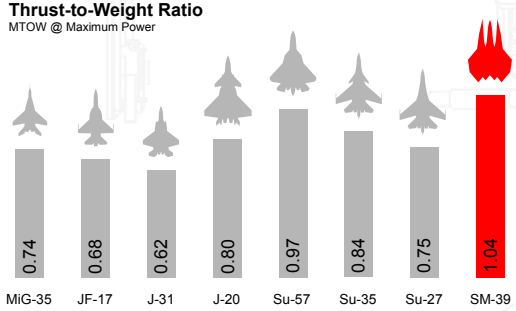
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



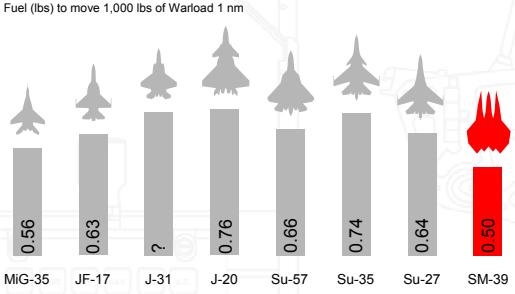
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



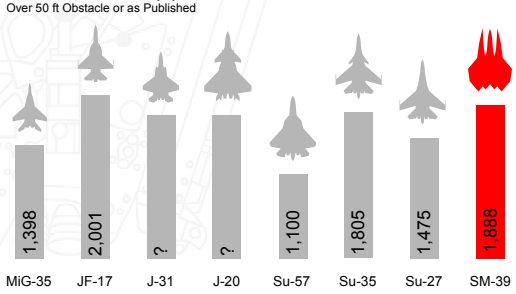
Thrust-to-Weight Ratio
MTOW @ Maximum Power



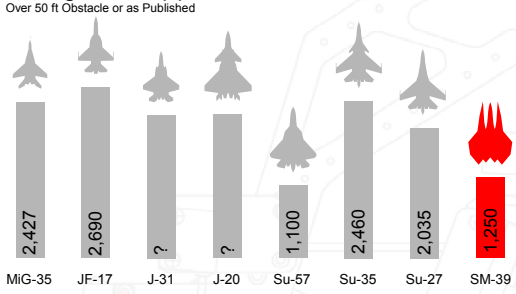
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

SM-47 SUPER MACHETE

STAVATTI

The SM-47 is a single engine afterburning turbofan powered Air Defense Fighter, Strike Fighter and Trainer. 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 replaces F-16 ADFs, F/A-18A/Bs, Mirage 2000s and JAS 39 Gripens.

SM-47 Super Machete
Afterburning Turbofan
Air Defense Fighter

2.0+ Mach
12,000 lb Warload
625 nm Radius

$30 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $4,530

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-47 SPECIFICATIONS

STAVATTI

SM-47 SUPER MACHETE SPECIFICATIONS

Aircraft: SM-47 Super Machete
Unit Flyaway Cost: $30,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Single (S) or Two Seat (T)
Seating	MK18 or ACES 5 Ejection Seats

Powerplant

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

Dimensions

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

Weights

Empty	16,000 lbs
Max Internal Fuel (IF)	7,000 lbs
Max External Warload	12,000 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
Design Load Factor-MTOW	9.0

Armament

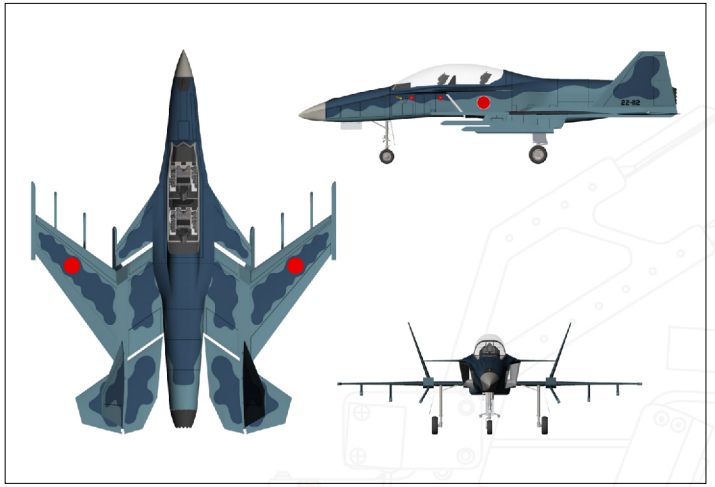
Fixed Internal	1 x 20mm M61A2
Ammunition	1,000 rds
External Hardpoints	8
Max Warload	12,000 lbs

Avionics & Electronic Warfare

Radar (opt)	RACR
IRST	IRST 21
HUD	CED, HMD or LiteHUD
Comm	AN/ARC-210 Gen V
IFF	AN/APX-125
Data Link	TACR-16DL
GPS/INS	FALCN
TACAN	AN/ARN-153(V)
RF ECM (opt)	AN/ALQ-211A(V)4
MAWS (opt)	AN/AAR-58
SPJ (opt)	AN/ALQ-214(V)4/5
Chaff/Flare	AN/ALE-47

Performance

Max Level Speed @ SL	1.23 Mach
Max Level Speed @ FL350	2.27 Mach
Max Cruise Speed @ SL	1.00 Mach
Max Cruise Speed @ FL350	1.10 Mach
Typical Cruise Speed @ FL350	0.85 Mach
Takeoff Speed; MTOW	172 Ktas
Stall Speed; MTOW	156 Ktas
Approach Speed; TLW	133 Ktas
Stall Speed; TLW	111 Ktas
Max Climb Rate @ SL	47,700 ft/min
Service Ceiling Exceeds	55,000 ft
Max Speed Range, IF	230 nm
Max Speed Radius, IF	105 nm
0.85 Mach Range, IF	1,420 nm
0.85 Mach Radius, IF	694 nm
Ferry Range	2,051 nm
Takeoff Ground Roll, TTW	1,543 ft
Landing Ground Roll, TLW	2,073 ft



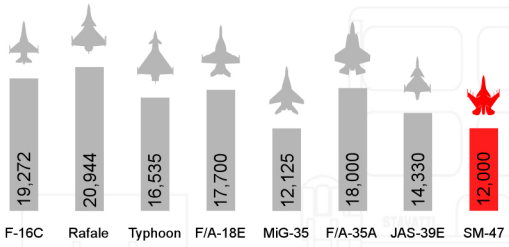
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

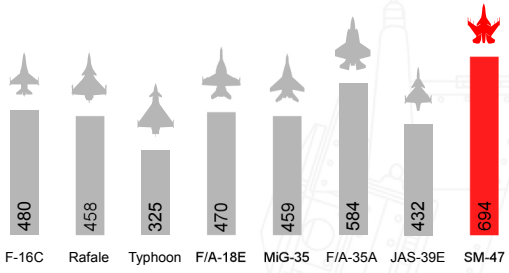
SM-47 COMPARISON

STAVATTI

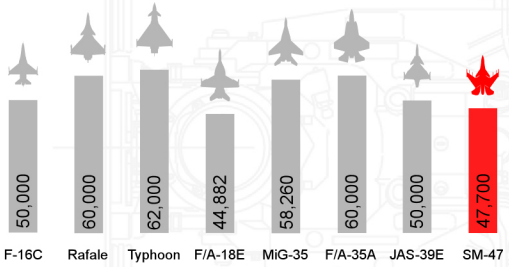
Maximum Warload (lbs)
With Partial Internal Fuel



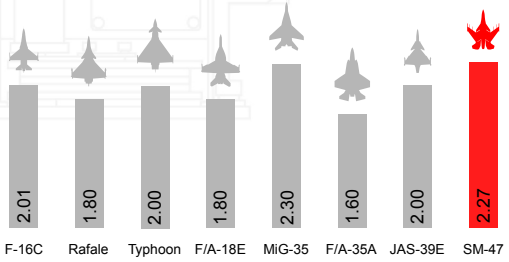
Tactical Radius (nm)
With Maximum Internal Fuel



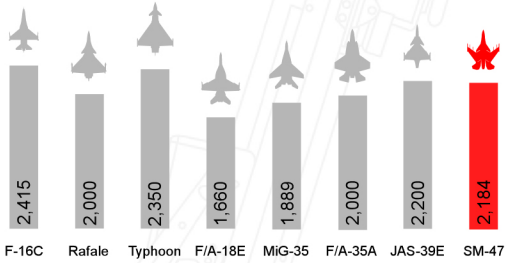
Maximum Climb Rate (ft/min)
Typical Combat Weight @ Sea Level, Standard Day



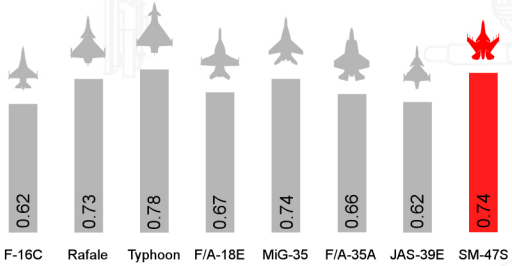
Maximum Level Speed (MACH)
Aircraft in Clean Configuration @ Altitude



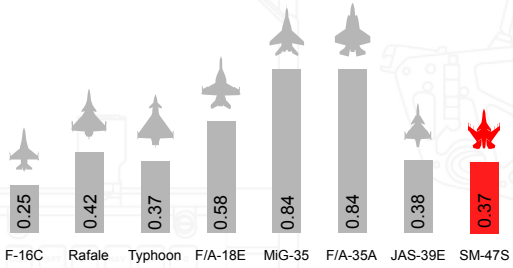
Maximum or Ferry Range (nm)
With Maximum Internal + Maximum External Fuel



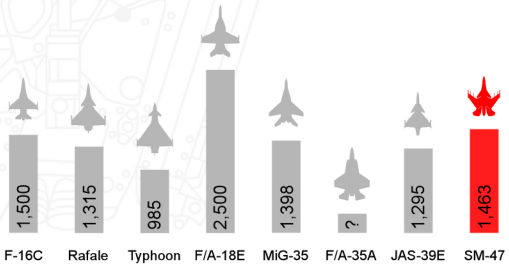
Thrust-to-Weight Ratio
MTOW @ Maximum Power



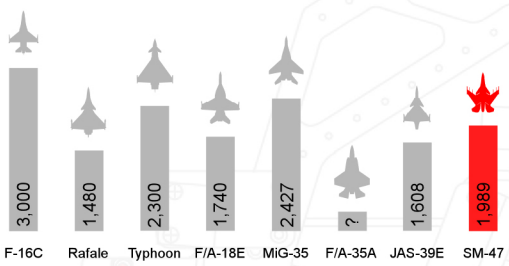
Relative Fuel Burn Ratio
Fuel (lbs) to move 1,000 lbs of Warload 1 nm



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

SM-100 TRANSPORT

STAVATTI

The SM-100 is a twin engine transport designed to carry 25,000 lbs to 35,000 lbs of cargo in a 35 ft long cargo bay that is 10 ft high and 11.82 ft wide. With a 310 knot cruise speed and a range of nearly 3,000 nm while transporting a 12.5 ton load, the SM-100 can operate from short unprepared runways. A rugged airlifter, the SM-100 will be suitable for all transport missions. The SM-100 will be produced in turboprop, hybrid electric, electric and hydrogen powered variants.

SM-100
Twin Turboprop
Transport

390 KTAS
25,000 lb Payload
3,000 nm Range

$35 Million Flyaway Cost

Cost Per Flight Hour (CPFH): $4,167

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-100 SPECIFICATIONS

STAVATTI

SM-100 SPECIFICATIONS

Aircraft: SM-100 Transport
Unit Flyaway Cost: $35,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	2
Seating	72

Powerplant

Number	2
Type	Turboprop
Model	PW150 Derivative
Manufacturer	P&W Canada
Max SHP	6,000
Prop Type	Scimitar Prop Fan
Prop Diameter	162 in
Number of Blades	8

Dimensions

Max Wingspan	100 ft 0 in
Max Length	86 ft 0 in
Max Height	21 ft 4 in
Wing Area	900 sq ft
Wing Aspect Ratio	11.1
Wing LE Sweep	0.0°

Weights

Empty	42,000 lbs
Max Internal Fuel (JP-8)	22,000 lbs
Max Fuel Payload	26,000 lbs
Max Payload	35,000 lbs
Useful Load	48,000 lbs
Typical Landing (TLW)	70,200 lbs
Max Take-Off (MTOW)	90,000 lbs

Loadings

Wing Loading (TLW)	78.0 lbs/sq ft
Wing Loading (MTOW)	100.0 lbs/sq ft
Power Loading (TLW)	5.6 lbs/shp
Power Loading (MTOW)	7.5 lbs/shp
Design Load Factor (MTOW)	2.5 g

Payload Configurations

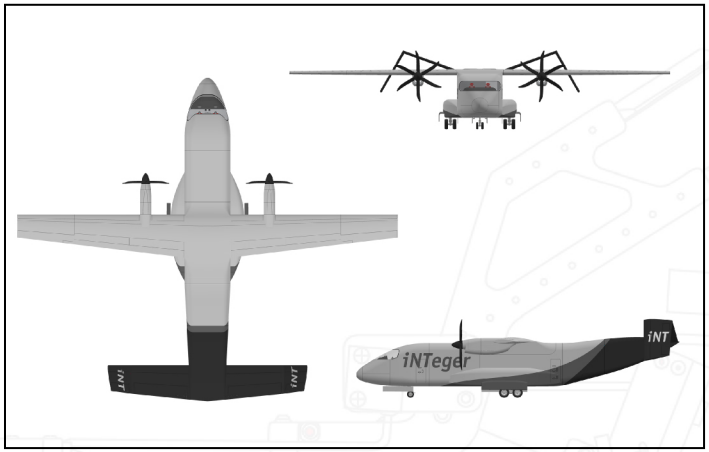
20 ft Sea-Land Containers	1
LD-3 Containers	6
88” x 108” 463L Pallets	4
HMMWVs (Humvees)	2
Economy Seats @ 31 in Pitch	72
Business Seats @ 31 in Pitch	50
Max Combat Troops	84
Max Para Troops	60
Max Liter Patients	63

Internal Dimensions

Cargo Hold Length	35 ft 0 in
Cargo Hold Max Width	11 ft 10 in
Cargo Hold Max Height	10 ft 0 in
Cargo Hold Floor Area	395 sq ft

Performance

Max Level Speed @ SL	342 Ktas
Max Level Speed @ FL150	390 Ktas
Max Level Speed @ FL300	328 Ktas
Continuous Speed @ FL150	374 Ktas
Continuous Speed @ FL250	343 Ktas
Typical Cruise Speed @ FL150	350 Ktas
Typical Cruise Speed @ FL250	310 Ktas
Takeoff Speed @ MTOW, SL	116 Ktas
Approach Speed @ TLW, SL	118 Ktas
Stall Speed @ TLW, SL	91 Ktas
Max Climb Rate @ SL	2,664 ft/min
Service Ceiling	>35,000 ft
Max Range @ FL150	2,703 nm
Max Range @ FL200	2,949 nm
Max Range @ FL250	2,986 nm
Max Payload Range @ FL150	1,243 nm
Max Payload Range @ FL250	1,355 nm
Ferry Range with Roll-On Tank	5,300 nm
Takeoff Ground Roll, TTW	1,787 ft
Takeoff Over 50 ft, TTW	2,595 ft
Landing Ground Roll, TLW	1,190 ft
Landing Over 50 ft, TLW	2,316 ft



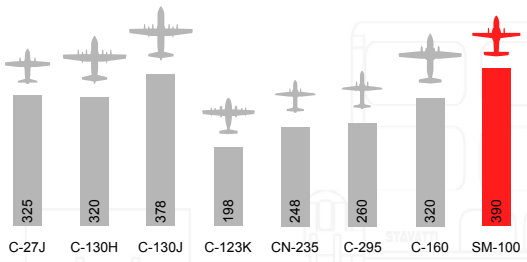
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

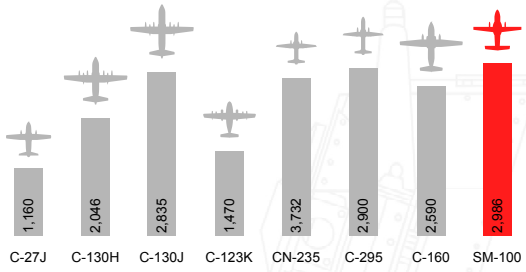
SM-100 COMPARISON

STAVATTI®

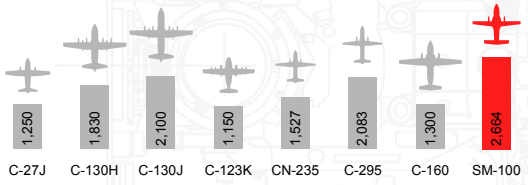
Maximum Level Speed (KTAS)
Aircraft at Optimum Altitude for Maximum Speed



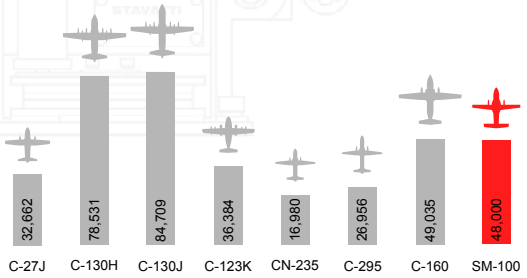
Maximum Range (nm)
With Maximum Internal Fuel and Payload



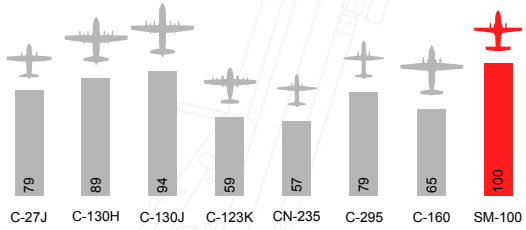
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



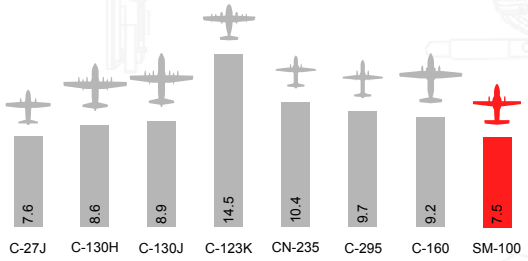
Maximum Useful load (lbs)
Aircraft at MTOW



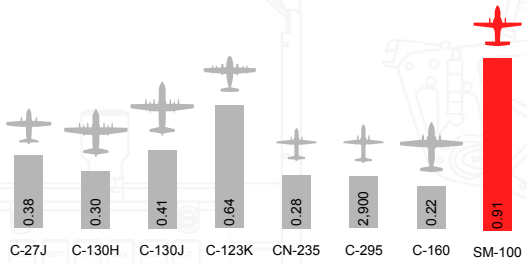
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



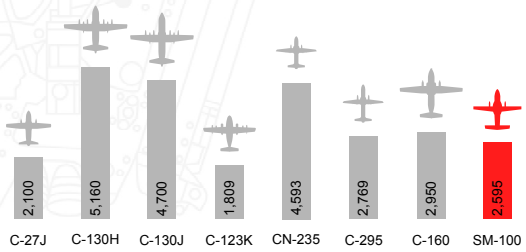
Maximum Power Loading (lbs/hp)
Aircraft at MTOW



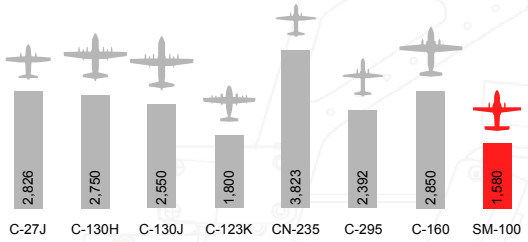
Nautical Miles Per Gallon (nmpg)
Maximum Range as Attained with Maximum Internal Fuel



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published

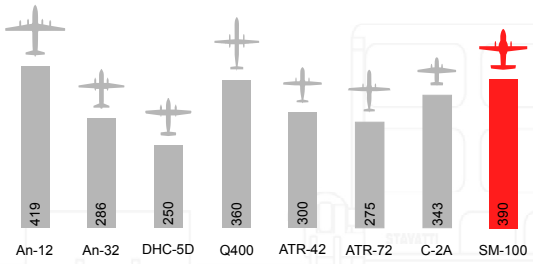


STAVATTI AEROSPACE

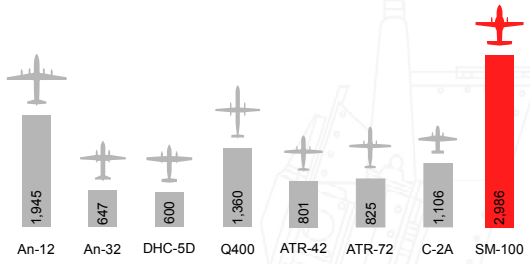
SM-100 COMPARISON

STAVATTI®

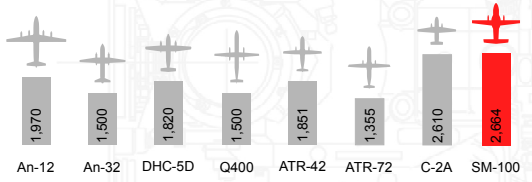
Maximum Level Speed (KTAS)
Aircraft at Optimum Altitude for Maximum Speed



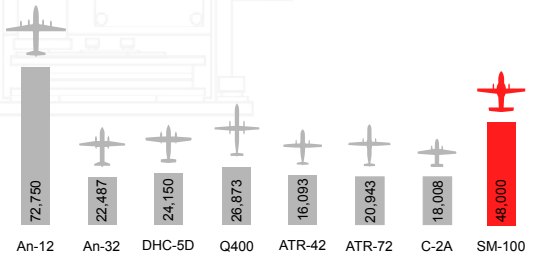
Maximum Range (nm)
With Maximum Internal Fuel



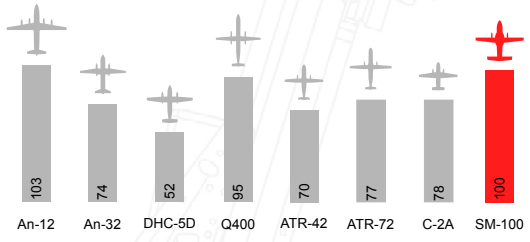
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



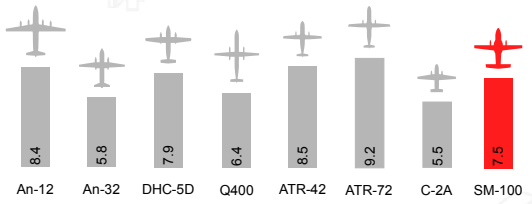
Maximum Useful load (lbs)
Aircraft at MTOW



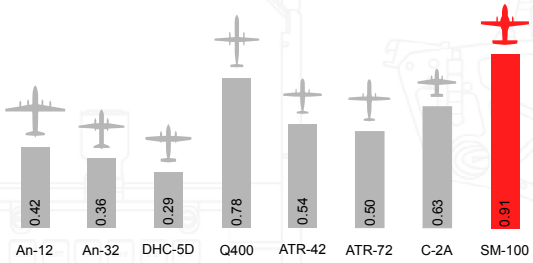
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



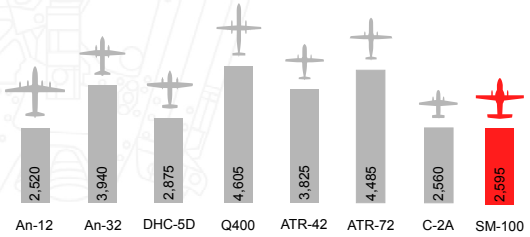
Maximum Power Loading (lbs/hp)
Aircraft at MTOW



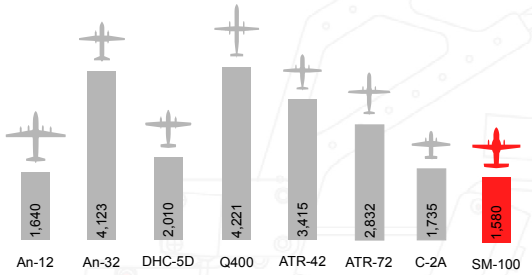
Nautical Miles Per Gallon (nmpg)
Maximum Range as Attained with Maximum Internal Fuel



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-100AT SPECS

STAVATTI

SM-100AT SPECIFICATIONS

Aircraft: SM-100AT Airtanker & Water Bomber
Unit Flyaway Cost: $36,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	2
Seating	72

Powerplant

Number	2
Type	Turboprop
Model	PW150 Derivative
Manufacturer	P&W Canada
Max SHP	6,000
Prop Type	Scimitar Prop Fan
Prop Diameter	162 in
Number of Blades	8

Dimensions

Max Wingspan	100 ft 0 in
Max Length	86 ft 0 in
Max Height	21 ft 4 in
Wing Area	900 sq ft
Wing Aspect Ratio	11.1
Wing LE Sweep	0.0°

Weights

Empty	43,550 lbs
Max Internal Fuel (JP-8)	22,000 lbs
Max Retardant Payload	35,000 lbs
Max Fuel with Retardant	10,500 lbs
Useful Load	46,450 lbs
Typical Landing (TLW)	46,075 lbs
Max Take-Off (MTOW)	90,000 lbs

Loadings

Wing Loading (TLW)	51.2 lbs/sq ft
Wing Loading (MTOW)	100.0 lbs/sq ft
Power Loading (TLW)	3.8 lbs/shp
Power Loading (MTOW)	7.5 lbs/shp
Design Load Factor (MTOW)	2.5 g

Retardant Delivery (RADS)

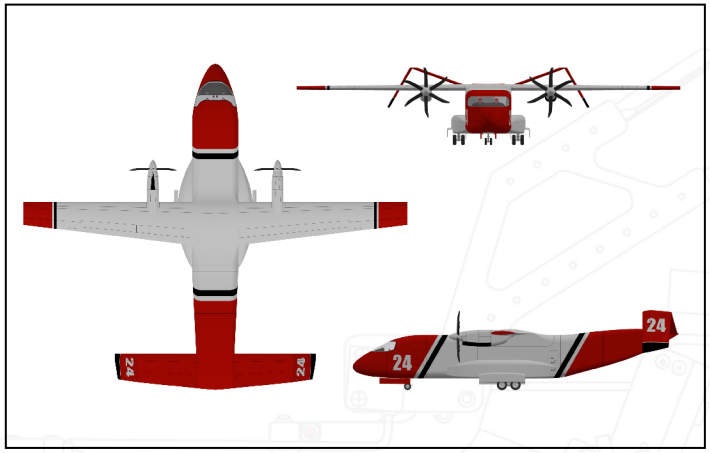
RADS Manufacturer	Coulson
RADS Model	RADS-XXL
RADS Capacity (USG)	4,200
RADS Capacity (lbs)	35,000
RADS Flow Rate (gpm)	1,600
RADS Net Weight (lbs)	2,760
RADS & Retardant (lbs)	37,760
Max Fuel with Retardant (lbs)	10,500

Internal Dimensions

Cargo Hold Length	35 ft 0 in
Cargo Hold Max Width	11 ft 10 in
Cargo Hold Max Height	10 ft 0 in
Cargo Hold Floor Area	395 sq ft

Performance

Max Level Speed @ SL	342 Ktas
Max Level Speed @ FL150	390 Ktas
Max Level Speed @ FL300	328 Ktas
Continuous Speed @ FL150	374 Ktas
Continuous Speed @ FL250	343 Ktas
Typical Cruise Speed @ FL150	350 Ktas
Typical Cruise Speed @ FL250	310 Ktas
Takeoff Speed @ MTOW, SL	116 Ktas
Approach Speed @ TLW, SL	118 Ktas
Stall Speed @ TLW, SL	91 Ktas
Max Climb Rate @ SL	2,664 ft/min
Service Ceiling	>35,000 ft
Max Range @ FL150	2,703 nm
Max Range @ FL200	2,949 nm
Max Range @ FL250	2,986 nm
Max Payload Range @ FL150	1,243 nm
Max Payload Range @ FL250	1,355 nm
Ferry Range with Roll-On Tank	5,300 nm
Takeoff Ground Roll, TTW	1,787 ft
Takeoff Over 50 ft, TTW	2,595 ft
Landing Ground Roll, TLW	1,190 ft
Landing Over 50 ft, TLW	2,316 ft



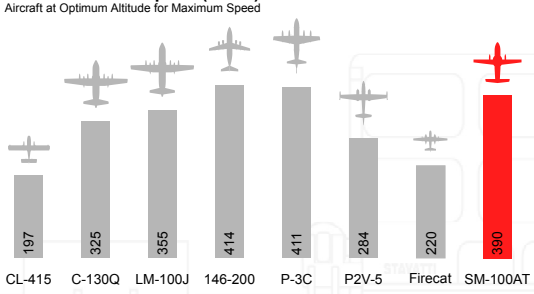
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

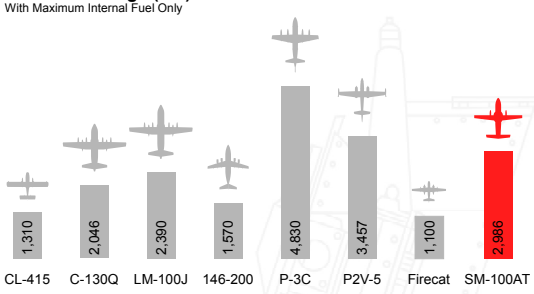
SM-100AT COMPARISON

STAVATTI®

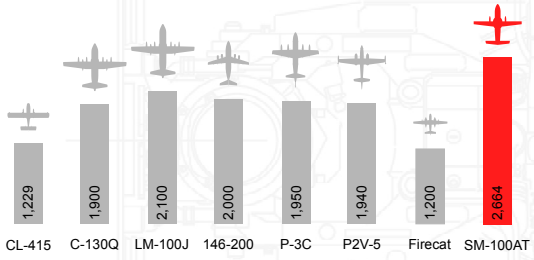
Maximum Level Speed (KTAS)
Aircraft at Optimum Altitude for Maximum Speed



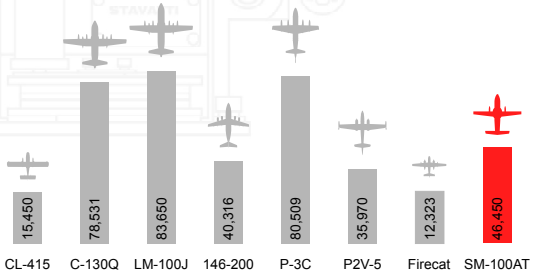
Maximum Range (nm)
With Maximum Internal Fuel Only



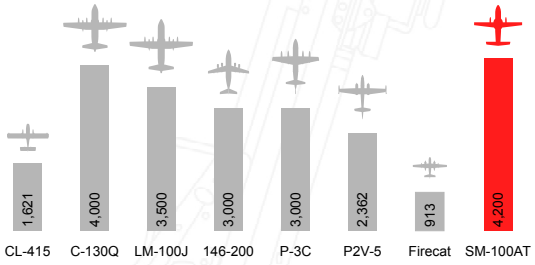
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



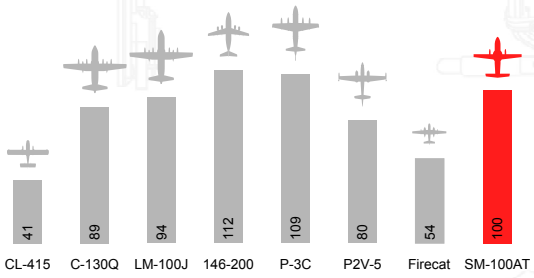
Maximum Useful load (lbs)
Aircraft at MTOW



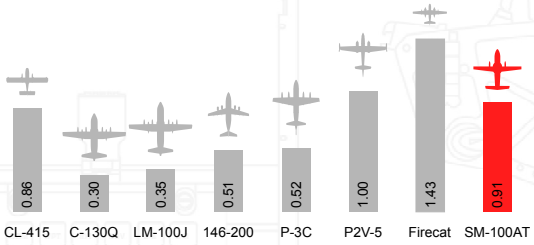
Retardant Capacity (USG)
As Published



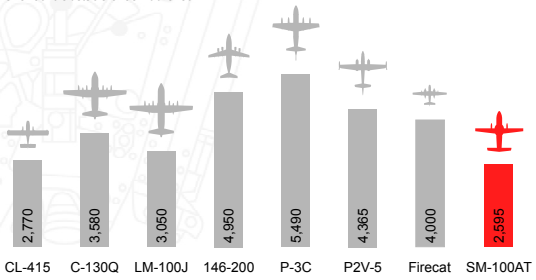
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



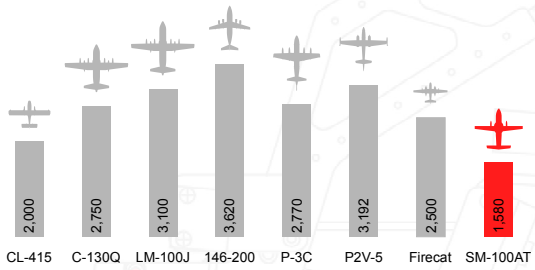
Nautical Miles Per Gallon (nmpg)
Maximum Range as Achieved with Maximum Internal Fuel



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-150 SPORTPLANE

STAVATTI

The SM-150 is a Next Generation two seat Sport Aircraft. Stylish and affordable, this advanced sportplane will introduce a new generation to aviation. A three-surface aircraft, the SM-150 has forward swept wings, canard foreplanes, twin V-tails and inverted vertical stabilizers. Constructed from advanced aluminum foam metal sandwich materials, the SM-150 will be produced in turbodiesel, LSA, electric and hybrid variants as well as eVTOL personal air vehicle configurations.

SM-150
Turbo-Piston
2 Seat Sportplane

135 KTAS
575 lb Useful Load
850 nm Range

$85,000 Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $46.50

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-150 SPECIFICATIONS

STAVATTI

SM-150 SPECIFICATIONS

Aircraft: SM-150 Sportplane
Unit Flyaway Cost: $85,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Two Seat Side-By-Side
Seating	Crashworthy Sport Seats

Powerplant

Number	1
Type	Turbo Axial Piston Engine
Model	Sutec 100
Manufacturer	Sutec/NeoThrust
Max HP	100
Prop RPM	2,300
Prop Type	FP Scimitar
Prop Diameter	72 in
Number of Blades	3

Dimensions

Max Wingspan	36 ft 0 in
Max Length	24 ft 0 in
Max Height	8 ft 8 in
Wing Area	137 sq ft
Wing Aspect Ratio	9.45
Wing LE Sweep	5.00°

Weights

Empty	1,000 lbs
Max Internal Fuel	156 lbs
Max Payload	444 lbs
Useful Load	600 lbs
Typical Landing (TLW)	1,600 lbs
Max Take-Off (MTOW)	1,600 lbs

Loadings

Wing Loading (MTOW)	11.7 lbs/sq ft
Power Loading (MTOW)	16.0 lbs/hp
Design Load Factor (MTOW)	+4.4
Ultimate Load Factor (MTOW)	+6.6

Internal Dimensions

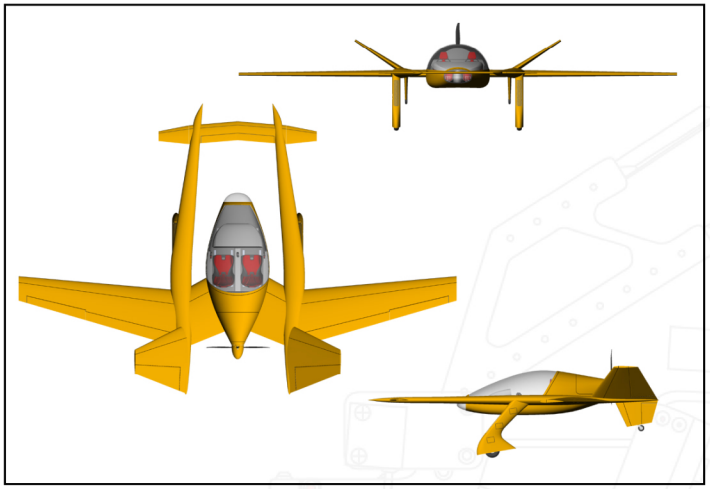
Cabin Length	67.0 in
Cabin Width-Max	60.0 in
Cabin Height-Max	41.7 in

Avionics & Displays

HUD	Canopy Embedded Display (CED)
HDD	SD346 LED Primary Display
COMM/GPS	Dual WASS GPS/COMM/NAV
IFF	ADS-B Out & In Transponder
Autopilot	All-Axis Digital Autopilot
FCS	Digital Power-By-Wire
Audio Panel	Digital Bluetooth® Audio Panel
ELT/ULB	406 MHZ ELT & ULB

Performance

Max Level Speed @ SL	125 Ktas
Max Level Speed @ FL50	131 Ktas
Max Level Speed @ FL100	138 Ktas
Max Level Speed @ FL150	145 Ktas
Max Level Speed @ FL200	154 Ktas
Max Cruise Speed @ SL	113 Ktas
Max Cruise Speed @ FL100	125 Ktas
Max Cruise Speed @ FL200	138 Ktas
Typical Cruise Speed @ FL100	106 Ktas
Typical Cruise Speed @ FL200	116 Ktas
Takeoff Speed; MTOW	45 KTAS
Stall Speed; MTOW	41 KTAS
Max Climb Rate @ SL	1,243 ft/min
Service Ceiling	20,000 ft
Max Speed Range @ SL	539 nm
Max Speed Range @ FL100	592 nm
75% Cruise Range @ SL	616 nm
75% Cruise Range @ FL100	671 nm
50% Cruise Range @ FL100	850 nm
Takeoff Ground Roll, TTW	526 ft
Takeoff over 50 ft, TTW	605 ft
Landing Ground Roll, TLW	232 ft
Landing over 50 ft, TLW	267 ft



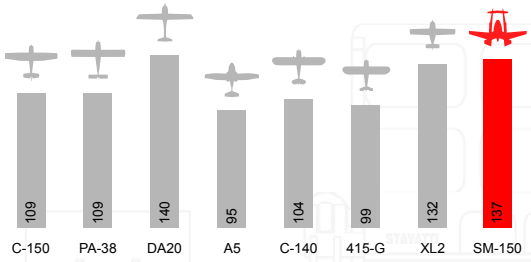
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

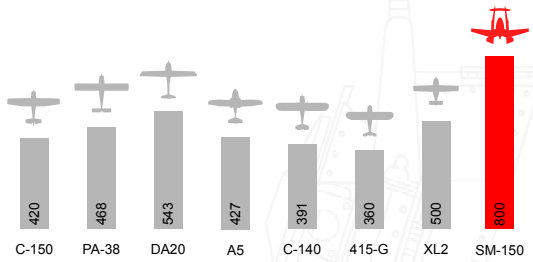
SM-150 COMPARISON

STAVATTI®

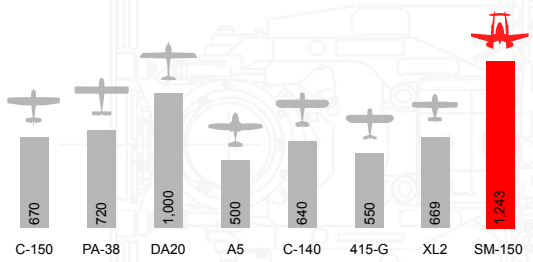
Maximum Level Speed (KTAS)
Aircraft at Optimum Altitude for Maximum Speed



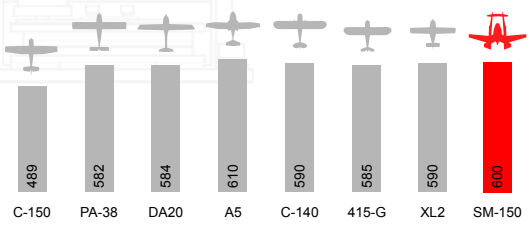
Maximum Range (nm)
With Maximum Internal Fuel



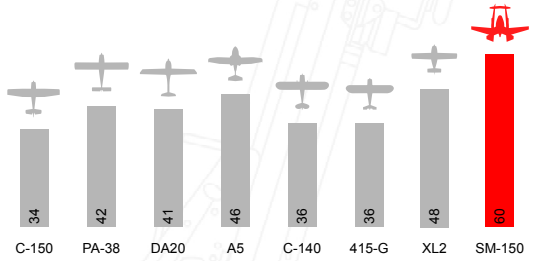
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



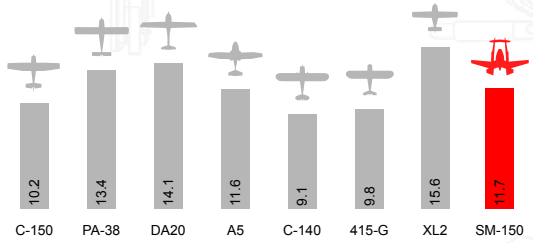
Maximum Useful load (lbs)
Aircraft at MTOW



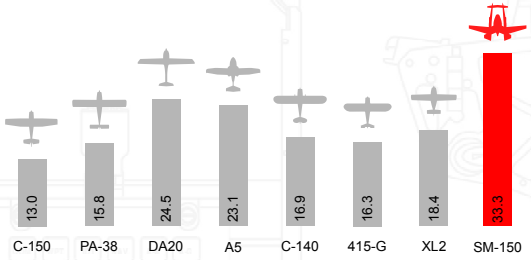
Cabin Width (in)
Maximum Interior Cabin Width



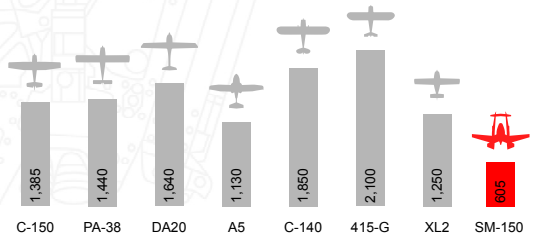
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



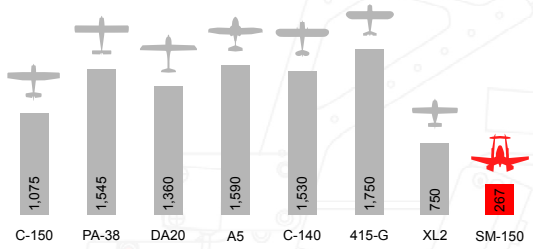
Nautical Miles Per Gallon (nmpg)
Maximum Range as Attained with Maximum Internal Fuel



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft) Comparison
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-150E SPECIFICATIONS

STAVATTI

SM-150E SPECIFICATIONS

Aircraft: SM-150E Sportplane
Unit Flyaway Cost: $110,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	Two Seat Side-By-Side
Seating	Crashworthy Sport Seats

Powerplant

Number	1
Type	Electric Motor
Model	Proprietary Electric Motor
Manufacturer	NeoThrust
Max SHP	100
Prop RPM	2,300
Prop Type	FP Scimitar
Prop Diameter	72 in
Number of Blades	3

Dimensions

Max Wingspan	36 ft 0 in
Max Length	24 ft 0 in
Max Height	8 ft 8 in
Wing Area	137 sq ft
Wing Aspect Ratio	9.45
Wing LE Sweep	5.00°

Weights

Empty	1,350 lbs
Max Payload	450 lbs
Useful Load	450 lbs
Typical Takeoff (TTW)	1,800 lbs
Typical Landing (TLW)	1,800 lbs
Max Take-Off (MTOW)	1,800 lbs

Loadings

Wing Loading (MTOW)	13.1 lbs/sq ft
Power Loading (MTOW)	18.0 lbs/shp
Design Load Factor (MTOW)	+4.4
Ultimate Load Factor (MTOW)	+6.6

Internal Dimensions

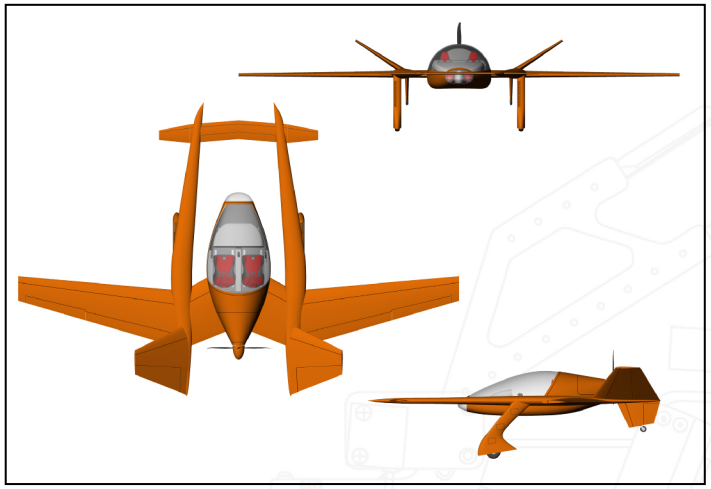
Cabin Length	67.0 in
Cabin Width-Max	60.0 in
Cabin Height-Max	41.7 in

Avionics & Displays

HUD	Canopy Embedded Display (CED)
HDD	SD346 LED Primary Display
COMM/GPS	Dual WASS GPS/COMM/NAV
IFF	ADS-B Out & In Transponder
Autopilot	All-Axis Digital Autopilot
FCS	Digital Power-By-Wire
Audio Panel	Digital Bluetooth® Audio Panel
ELT/ULB	406 MHZ ELT & ULB

Performance

Max Level Speed @ SL	124 Ktas
Max Level Speed @ FL50	129 Ktas
Max Level Speed @ FL100	136 Ktas
Max Level Speed @ FL150	143 Ktas
Max Level Speed @ FL200	150 Ktas
Max Cruise Speed @ SL	120 Ktas
Max Cruise Speed @ FL100	120 Ktas
Max Cruise Speed @ FL200	120 Ktas
Typical Cruise Speed @ FL100	121 Ktas
Typical Cruise Speed @ FL200	133 Ktas
Takeoff Speed; MTOW	51 KTAS
Stall Speed; MTOW	43 KTAS
Max Climb Rate @ SL	1,243 ft/min
Service Ceiling	30,000 ft
Max Speed Range @ SL	178 nm
Max Speed Range @ FL100	196 nm
75% Cruise Range @ SL	213 nm
75% Cruise Range @ FL100	232 nm
50% Cruise Range @ FL100	284 nm
Takeoff Ground Roll, TTW	735 ft
Takeoff over 50 ft, TTW	845 ft
Landing Ground Roll, TLW	275 ft
Landing over 50 ft, TLW	316 ft



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-920 AIRLINER

STAVATTI

The SM-920 is a transformational aircraft that will define the future. An extremely efficient twin engine 204 passenger airliner, the SM-920 will cruise at 0.95 Mach while offering a range in excess of 4,000 nm. Employing advanced metal sandwich construction, innovative air inlets and exhaust nozzles and a unique M-wing the SM-920 will compete with the Boeing 737 MAX and Airbus A320neo serving as a successor to these aircraft.

SM-920
Twin Turbofans
Commercial Airliner

Mach 0.95
204 Passengers
4,000 nm Range

$100 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $7,609

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-920 SPECIFICATIONS

STAVATTI

SM-920 AIRLINER SPECIFICATIONS

Aircraft: SM-920 Narrowbody Commercial Airliner
Unit Flyaway Cost: $100,000,000
Manufacturer: Stavatti Aerospace Ltd
First Flight: 2028-2029

Accommodation

Crew	2
Seating	204

Powerplant

Number	2
Type	Geared Turbofan
Model	PW1133G-JM
Manufacturer	P&W
Max Thrust (lbs)	33,110
Total Aircraft Thrust (lbs)	66,220
Air Inlets	Pitot Shock
Nozzle	Variable Geometry

Dimensions

Max Wingspan	124 ft 0 in
Max Length	150 ft 0 in
Max Height	43 ft 4 in
Wing Area	1,500 sq ft
Wing Aspect Ratio	10.25
Wing LE Sweep	36.0°

Weights

Empty	100,000 lbs
Max Internal Fuel (IF)	45,000 lbs
Max Fuel Payload	43,000 lbs
Max Useful Load	88,000 lbs
Typical Takeoff (TTW)	190,000 lbs
Typical Landing (TLW)	147,874 lbs
Max Take-Off (MTOW)	190,000 lbs

Loadings

Wing Loading (MTOW)	127 lbs/sq ft
Wing Loading (TLW)	99 lbs/sq ft
Thrust-to-Weight (MTOW)	0.35
Thrust-to-Weight (TLW)	0.45
Design Load Factor (MTOW)	+2.50

Passenger Configurations

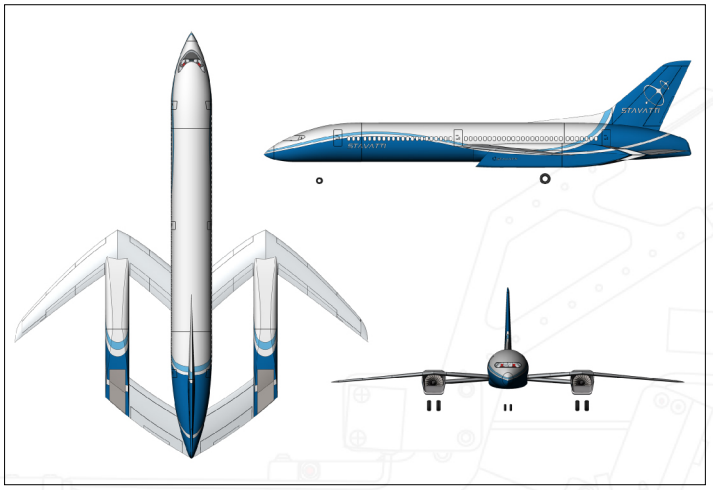
First/Economy Two Class	180
Business/Economy Two Class	182
All Business Class	135
Premium Economy Class	162
All Economy Class	204

Cabin Dimensions

Cabin Length	118 ft 5 in
Cabin Max Width	13 ft 8 in
Cabin Max Height	7 ft 6 in
Cabin Floor Area	1,519 sq ft

Performance

Max Level Speed @ SL	0.95 Mach
Max Level Speed @ FL300	0.95 Mach
Max Level Speed @ FL350	0.95 Mach
Max Level Speed @ FL400	0.95 Mach
Max Cruise Speed @ SL	0.90 Mach
Max Cruise Speed @ FL300	0.90 Mach
Max Cruise Speed @ FL350	0.90 Mach
Max Cruise Speed @ FL400	0.90 Mach
Typical Cruise Speed @ SL	0.85 Mach
Typical Cruise Speed @ FL300	0.85 Mach
Typical Cruise Speed @ FL350	0.85 Mach
Typical Cruise Speed @ FL400	0.85 Mach
Takeoff Speed @ MTOW, SL	157 KTAS
Approach Speed; TLW	122 KTAS
Stall Speed; TLW	106 KTAS
Max Climb Rate @ SL	10,110 ft/min
Service Ceiling	45,000 ft
Range @ 0.95 Mach/FL430	3,000 nm
Range @ 0.90 Mach/FL400	3,448 nm
Range @ 0.85 Mach/FL400	3,546 nm
Range @ 0.90 Mach/FL350	3,329 nm
Range @ 0.85 Mach/FL350	3,588 nm
Takeoff Ground Roll, TTW	4,765 ft
Takeoff Over 50 ft Obstacle, TTW	5,853 ft
Landing Ground Roll, TLW	1,324 ft
Landing Over 50 ft Obstacle, TLW	2,208 ft



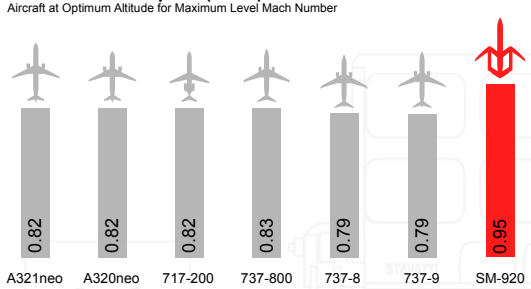
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

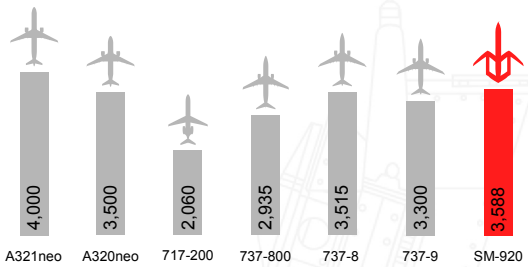
SM-920 COMPARISON

STAVATTI

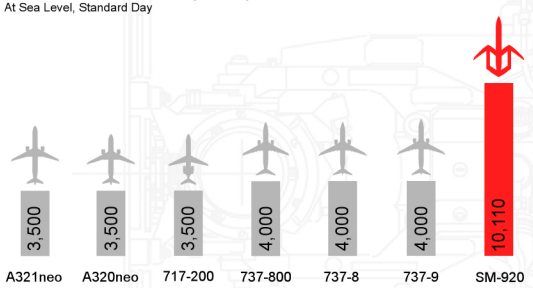
Maximum Level Speed (Mach)
Aircraft at Optimum Altitude for Maximum Level Mach Number



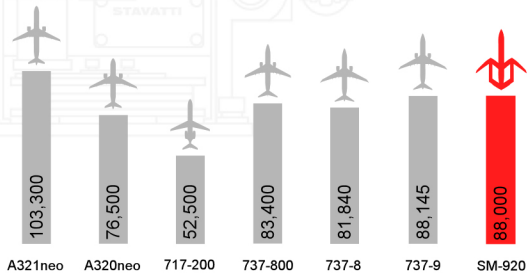
Maximum Range (nm)
With Maximum Internal Fuel



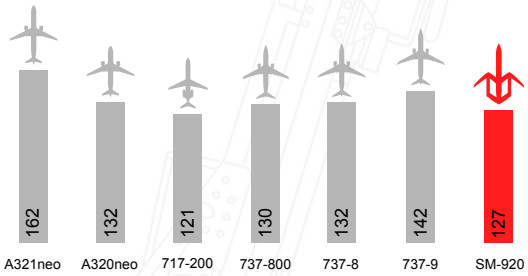
Maximum Climb Rate (ft/min)
At Sea Level, Standard Day



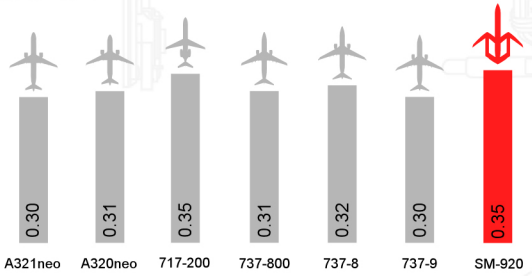
Maximum Useful load (lbs)
Aircraft at MTOW



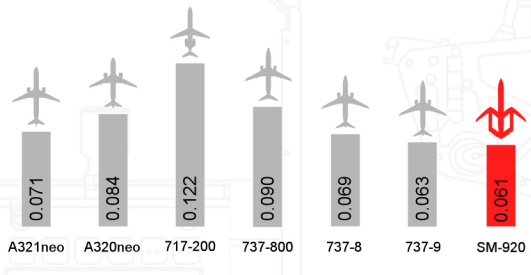
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



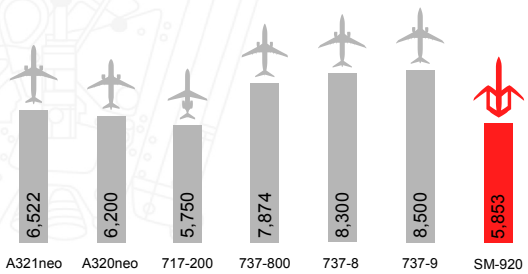
Maximum Thrust-to-Weight Ratio (T/W)
Aircraft at MTOW



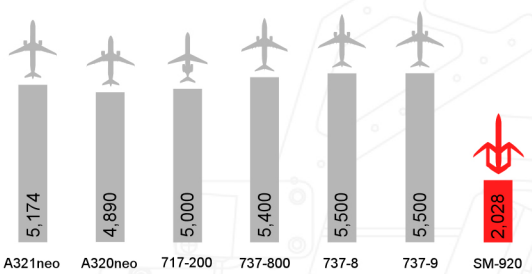
Fuel Burned Per Passenger NM (lbs)
With Maximum Passenger Load



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-920E SPECIFICATIONS

STAVATTI

SM-920E AWACS SPECIFICATIONS

Aircraft: SM-920E AWACS & BMC2
Unit Flyaway Cost: $400,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Crew	2
Mission Crew	6 to 15

Powerplant

Number	2
Type	Geared Turbofan
Model	PW 1133G-JM
Manufacturer	P&W
Max Thrust (lbs)	33,110
Total Aircraft Thrust (lbs)	66,220
Air Inlets	Pitot Shock
Nozzle	Variable Geometry

Dimensions

Max Wingspan	124 ft 0 in
Max Length	150 ft 0 in
Max Height	43 ft 4 in
Wing Area	1,500 sq ft
Wing Aspect Ratio	10.25
Wing LE Sweep	36.0°

Weights

Empty	114,000 lbs
Max Internal Fuel (IF)	53,000 lbs
Max Fuel Payload	21,000 lbs
Max Useful Load	76,000 lbs
Typical Takeoff (TTW)	190,000 lbs
Typical Landing (TLW)	140,232 lbs
Max Take-Off (MTOW)	190,000 lbs

Loadings

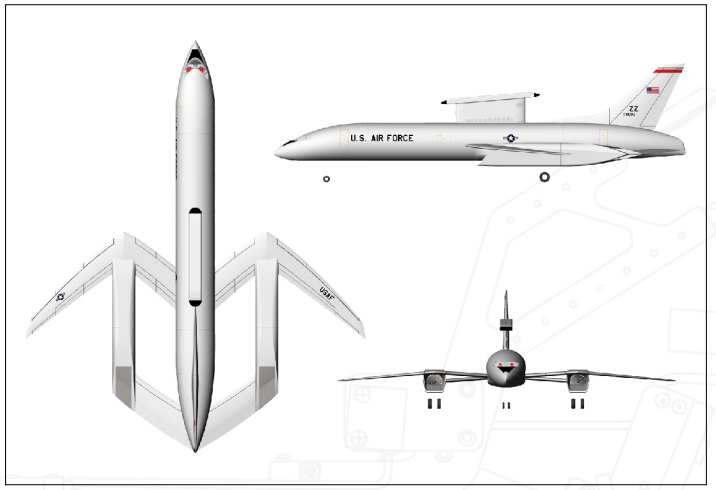
Wing Loading (MTOW)	127 lbs/sq ft
Wing Loading (TLW)	94 lbs/sq ft
Thrust-to-Weight (MTOW)	0.35
Thrust-to-Weight (TLW)	0.47
Design Load Factor (MTOW)	+2.50

Avionics & Electronic Warfare

Radar	MESA Radar/IFF Array
EO/IR	AEOTS
Comm	SATURN
Data Link	LINK 16
GPS/INS	FALCN
RF ECM	AN/ALQ-211A(V)4
MAWS	AN/AAR-54
DIRCM	AN/AAQ-24(V)
Chaff/Flare	AN/ALE-47
Flight Deck	Active Flat Panel MFD LCDs
HUD	Canopy Embedded Dispaly (CED)

Performance

Max Level Speed @ SL	0.95 Mach
Max Level Speed @ FL300	0.95 Mach
Max Level Speed @ FL350	0.95 Mach
Max Level Speed @ FL400	0.95 Mach
Max Cruise Speed @ SL	0.90 Mach
Max Cruise Speed @ FL300	0.90 Mach
Max Cruise Speed @ FL350	0.90 Mach
Max Cruise Speed @ FL400	0.90 Mach
Typical Cruise Speed @ SL	0.85 Mach
Typical Cruise Speed @ FL300	0.85 Mach
Typical Cruise Speed @ FL350	0.85 Mach
Typical Cruise Speed @ FL400	0.85 Mach
Takeoff Speed @ MTOW, SL	157 KTAS
Approach Speed; TLW	119 KTAS
Stall Speed; TLW	103 KTAS
Max Climb Rate @ SL	10,071 ft/min
Service Ceiling	45,000 ft
Range @ 0.85 Mach/FL350	4,592 nm
Range @ 0.85 Mach/FL400	4,653 nm
Range @ 0.90 Mach/FL350	4,218 nm
Range @ 0.90 Mach/FL400	4,438 nm
Range @ 0.95 Mach/FL400	3,560 nm
Takeoff Ground Roll, TTW	4,765 ft
Takeoff Over 50 ft Obstacle, TTW	5,853 ft
Landing Ground Roll, TLW	1,132 ft
Landing Over 50 ft Obstacle, TLW	2,185 ft



STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-940K TANKER

STAVATTI

The SM-940K is a long range Air Refueler and Transport designed to replace the KC-135 and KC-10 in USAF, NATO and allied air force service. The SM-940K will be capable of transferring between 100,000 lbs and 300,000 lbs of fuel using a single boom and up to three drogue refueling receptacles. The SM-940K will have a maximum cruise speed of Mach 0.97 and a Ferry Range of up to 13,525 nm. Typical refueling radius is up to 3,538 nm.

SM-940K Tanker
Twin Turbofans
Tanker

Mach 0.97
300,000 lbs Transfer Fuel
13,525 nm Range

$300 Million Unit Flyaway Cost

Cost Per Flight Hour (CPFH): $18,623

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

SM-940K SPECS

STAVATTI

SM-940K TANKER SPECIFICATIONS

Aircraft: SM-940K Aerial Refueling Tanker
Unit Flyaway Cost: $300,000,000

Manufacturer: Stavatti Aerospace Ltd
First Flight: Contact Stavatti

Accommodation

Flight Crew	3
Additional/Optional Mission Crew	up to 18

Powerplant

Number	2
Type	Turbofan
Model	Trent XWB-97 or GE9X
Manufacturer	Rolls Royce or GE
Max Thrust (lbs)	97,000
Total Aircraft Thrust (lbs)	194,000
Air Inlets	Pitot Shock
Nozzle	Variable Geometry

Dimensions

Max Wingspan	212 ft 0 in
Max Length	226 ft 4 in
Max Height	59 ft 5 in
Wing Area	3,780 sq ft
Wing Aspect Ratio	11.88
Wing LE Sweep	34.4°

Weights

Empty	257,000 lbs
Fuel Capacity	350,000 lbs
Max Transfer Fuel	300,000 lbs
Max Useful Load	358,000 lbs
Typical Takeoff (TTW)	615,000 lbs
Typical Landing (TLW)	285,000 lbs
Max Take-Off (MTOW)	615,000 lbs

Loadings

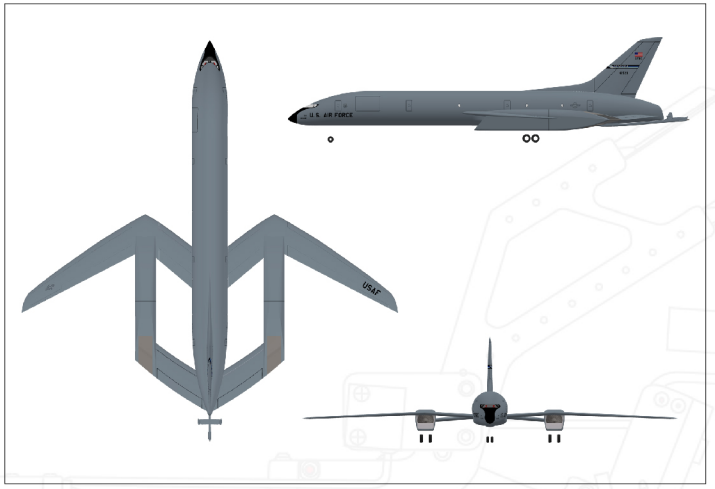
Wing Loading (MTOW)	162.7 lbs/sq ft
Wing Loading (TLW)	75.4 lbs/sq ft
Thrust-to-Weight (MTOW)	0.38
Thrust-to-Weight (TLW)	0.68
Design Load Factor (MTOW)	+2.50

TRANSFER FUEL & PAYLOAD

Typical Transfer Fuel	100,000 lbs
Design Transfer Fuel	175,000 lbs
Maximum Transfer Fuel	250,000 lbs
War Emergency Transfer Fuel	300,000 lbs
Max Aircraft Fuel Load	350,000 lbs
Max Payload Weight	280,000 lbs
Design Payload Weight	175,000 lbs
Max Passengers (Pallet Seating)	195
Max Medical Litter Patients	168
Max 463L Pallets	28

Performance

Max Level Speed @ SL	0.93 Mach
Max Level Speed @ FL200	0.96 Mach
Max Level Speed @ FL350	0.97 Mach
Max Level Speed @ FL400	0.97 Mach
Max Level Speed @ FL450	0.96 Mach
Max Level Speed @ FL470	0.94 Mach
Typical Cruise Speed @ FL300	0.80 Mach
Typical Cruise Speed @ FL350	0.80 Mach
Typical Cruise Speed @ FL400	0.80 Mach
Typical Cruise Speed @ FL450	0.85 Mach
Takeoff Speed @ MTOW, SL	161 KTAS
Approach Speed; TLW	107 KTAS
Stall Speed; TLW	93 KTAS
Max Climb Rate @ SL	9,733 ft/min
Service Ceiling	47,000 ft
Range @ 0.97 Mach/FL400	8,312 nm
Range @ 0.96 Mach/FL450	9,747 nm
Range @ 0.94 Mach/FL470	10,352 nm
Range @ 0.85 Mach/FL450	12,097 nm
Range @ 0.80 Mach/FL350	12,960 nm
Range @ 0.80 Mach/FL300	13,051 nm
Radius For Typical 100K TFOL	3,538 nm
Radius For Typical 250K TFOL	1,272 nm
Ferry Range 0.85 Mach/FL400	13,525 nm
Takeoff Ground Roll, TTW	4,872 ft
Takeoff Over 50 ft Obstacle, TTW	6,105 ft
Landing Ground Roll, TLW	1,483 ft
Landing Over 50 ft Obstacle, TLW	2,472 ft



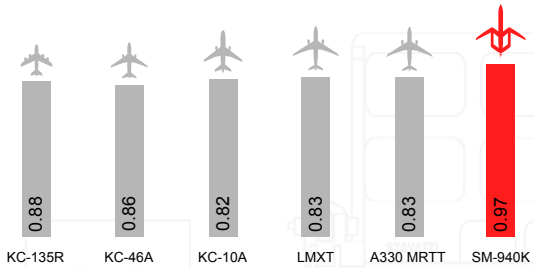
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

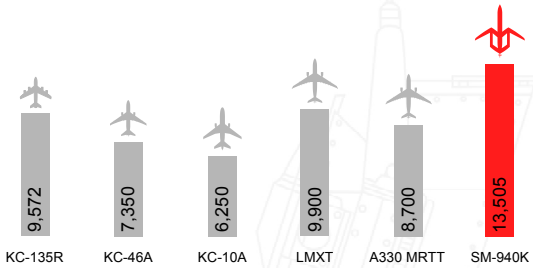
SM-940K COMPARISON

STAVATTI®

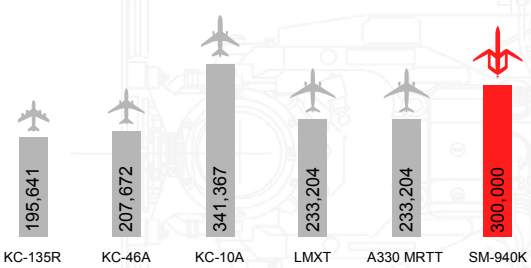
Maximum Level Speed (Mach)
Aircraft at Optimum Altitude for Maximum Level Mach Number



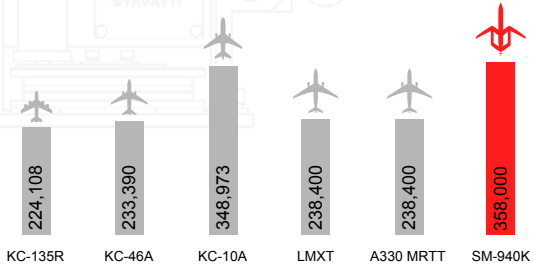
Maximum Range (nm)
With Maximum Internal Fuel



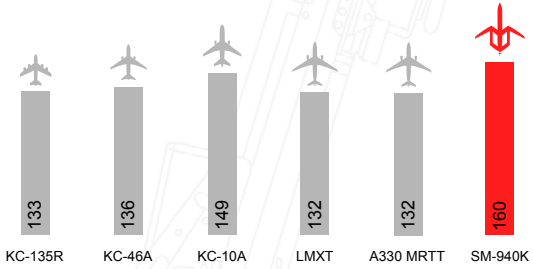
Maximum Transfer Fuel (lbs)
Maximum Allowable Transfer Fuel



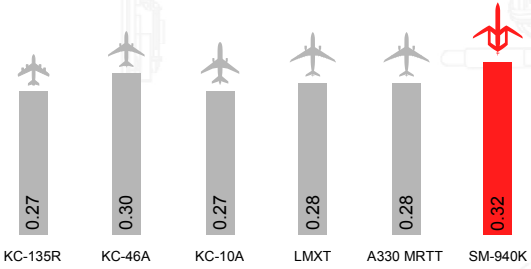
Maximum Useful load (lbs)
Aircraft at MTOW



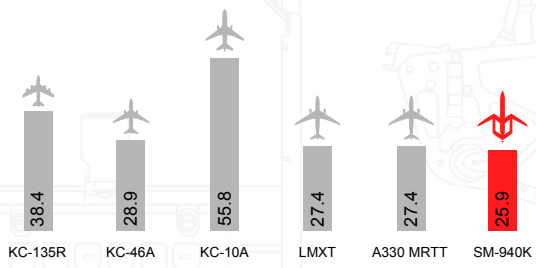
Maximum Wing Loading (lbs/sq ft)
Aircraft at MTOW



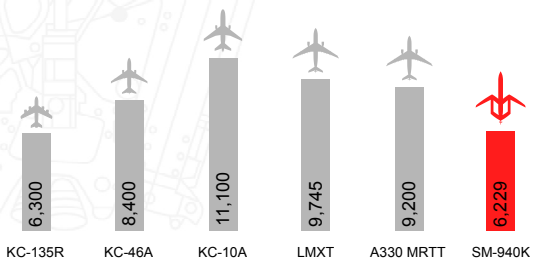
Maximum Thrust-to-Weight Ratio (T/W)
Aircraft at MTOW



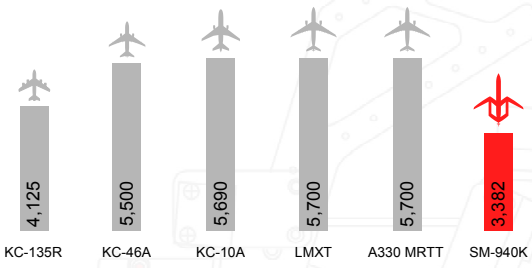
Fuel Burned Per NM (lbs)
Based Upon Ferry Range Fuel Economy



Takeoff Distance (ft)
Over 50 ft Obstacle or as Published



Landing Distance (ft)
Over 50 ft Obstacle or as Published



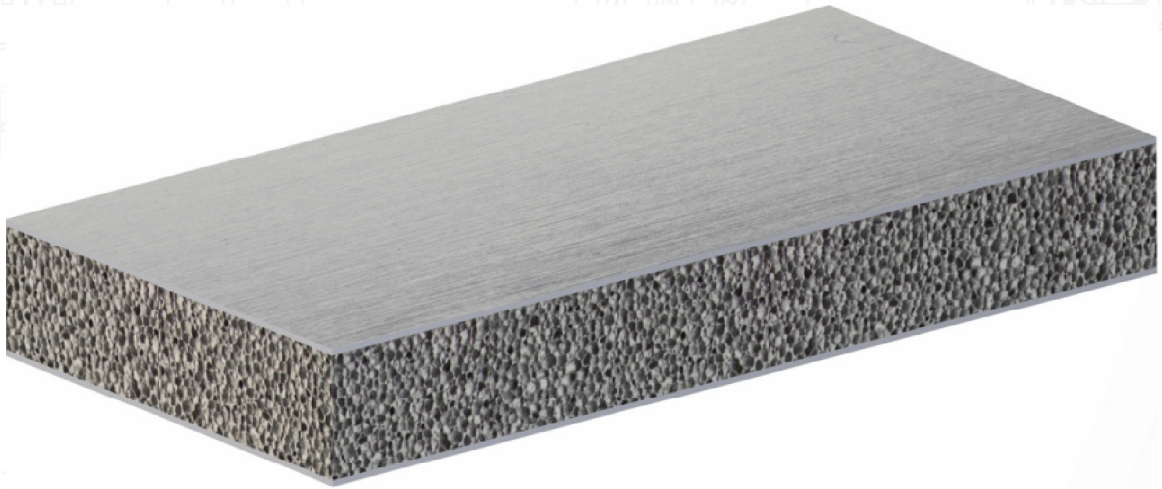
STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

STRUCTURES

STAVATTI

Many Stavatti aircraft will have Foam Metal Sandwich (FMS) Structures. Reinventing how airplanes are built, the aircraft will have external foam metal sandwich skins that are supported by an internal structure of frames, bulkhead, spars and ribs made from titanium and aluminum lithium alloys.

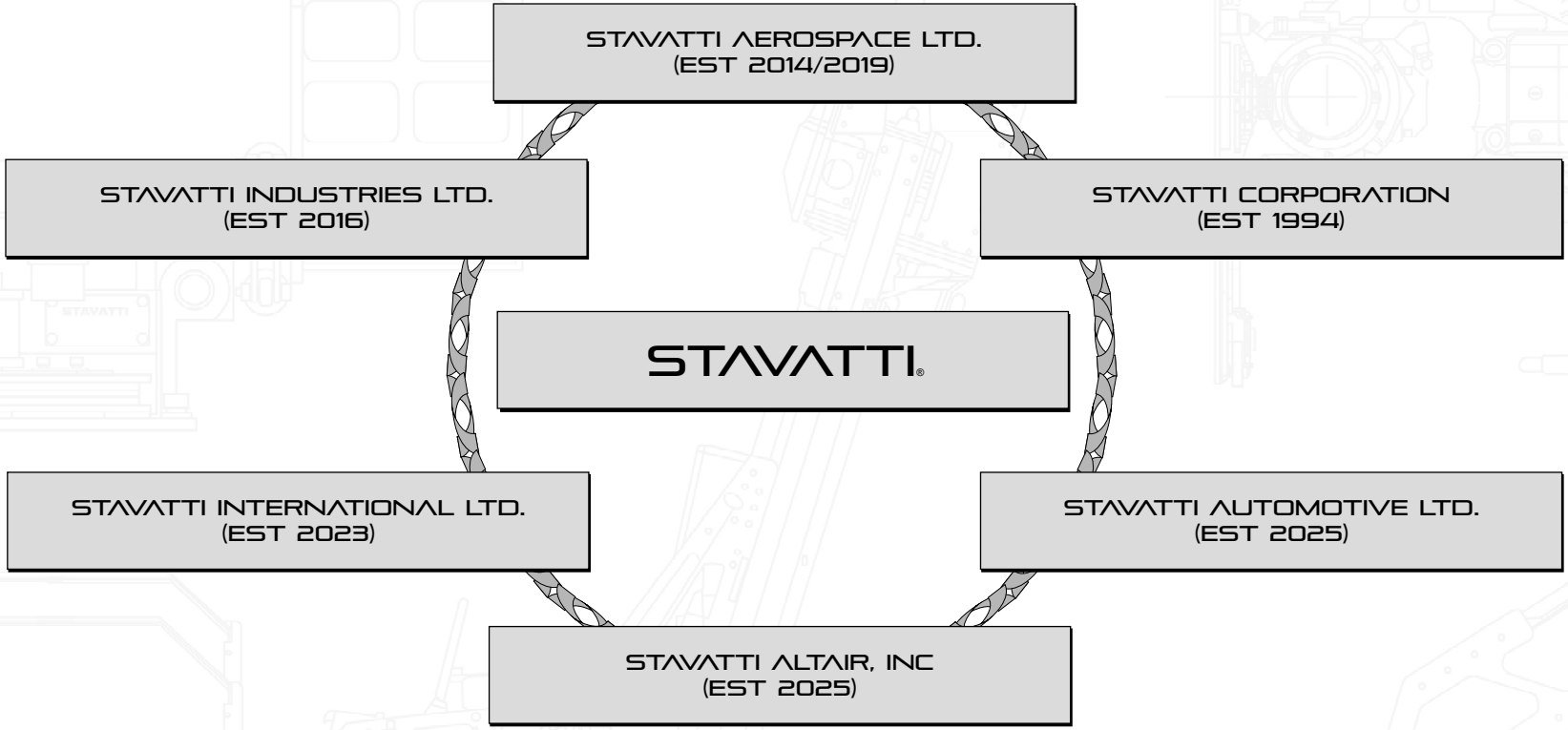


With an excellent strength-to-weight ratio and inherent vibration and sound dampening characteristics, FMS structures are damage tolerant and are Laser and Friction Stir Welded to reduce parts count.

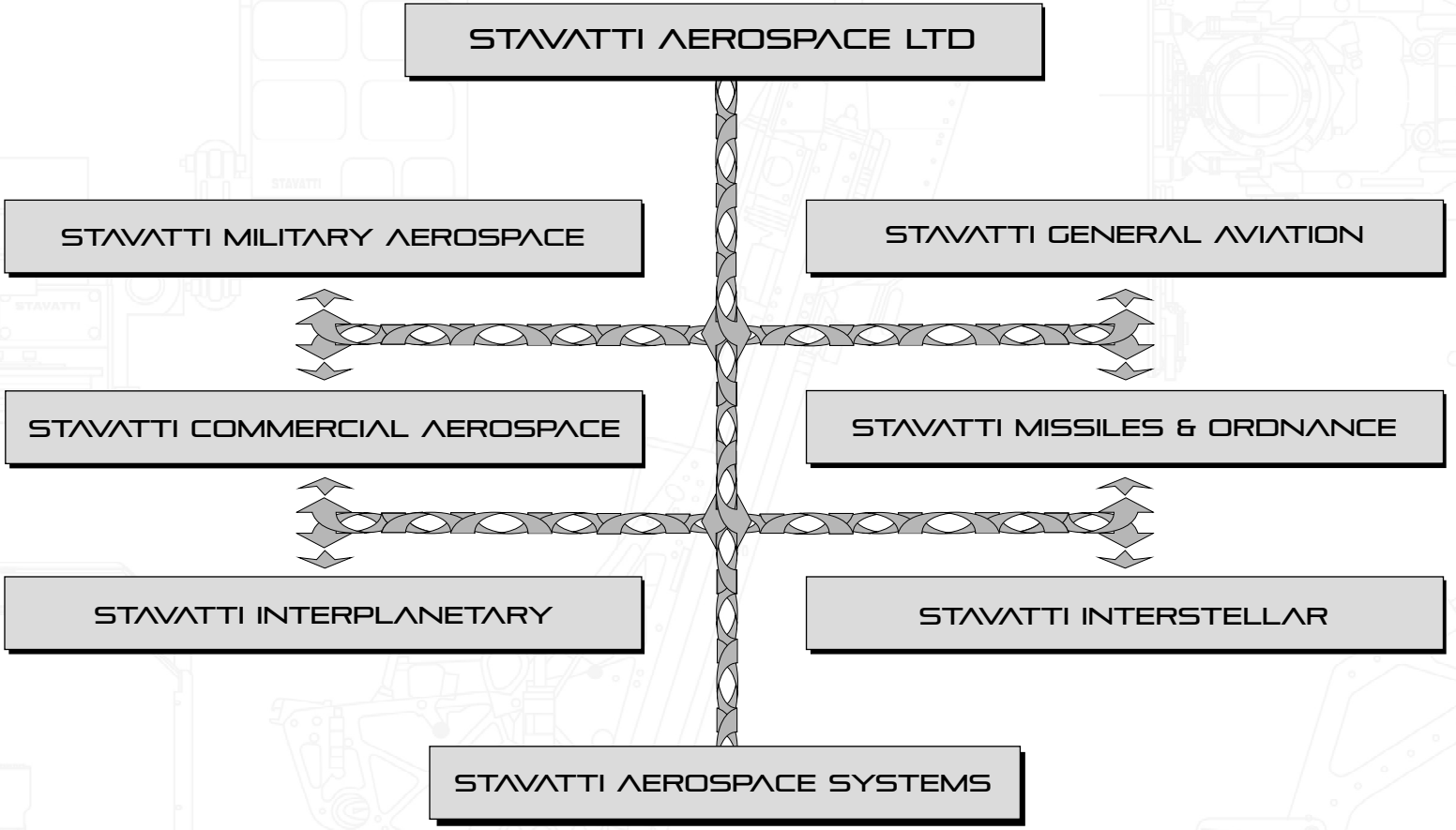
CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

STAVATTI COMPANIES

STAVATTI

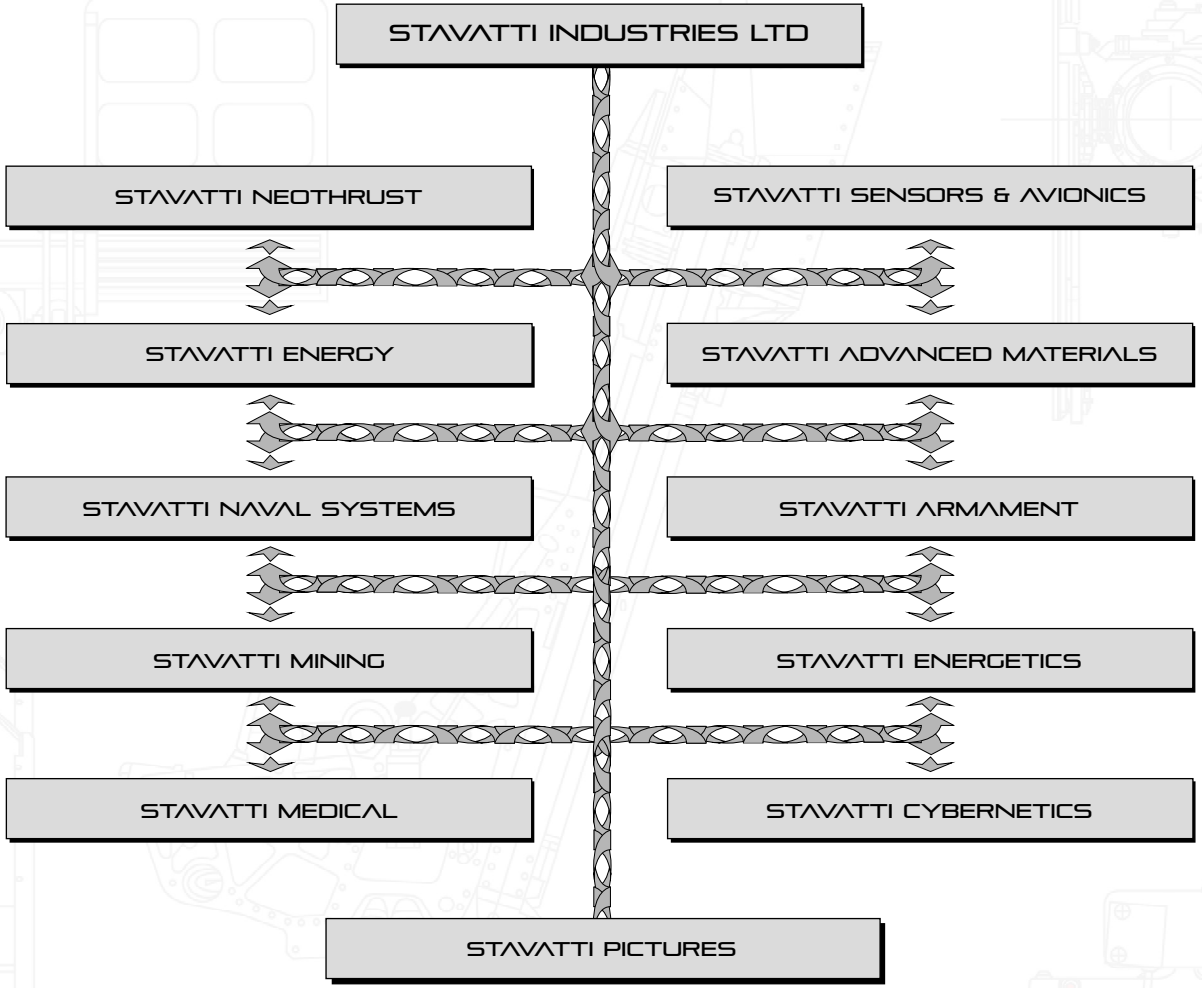


CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510



INDUSTRIES ORG

STAVATTI

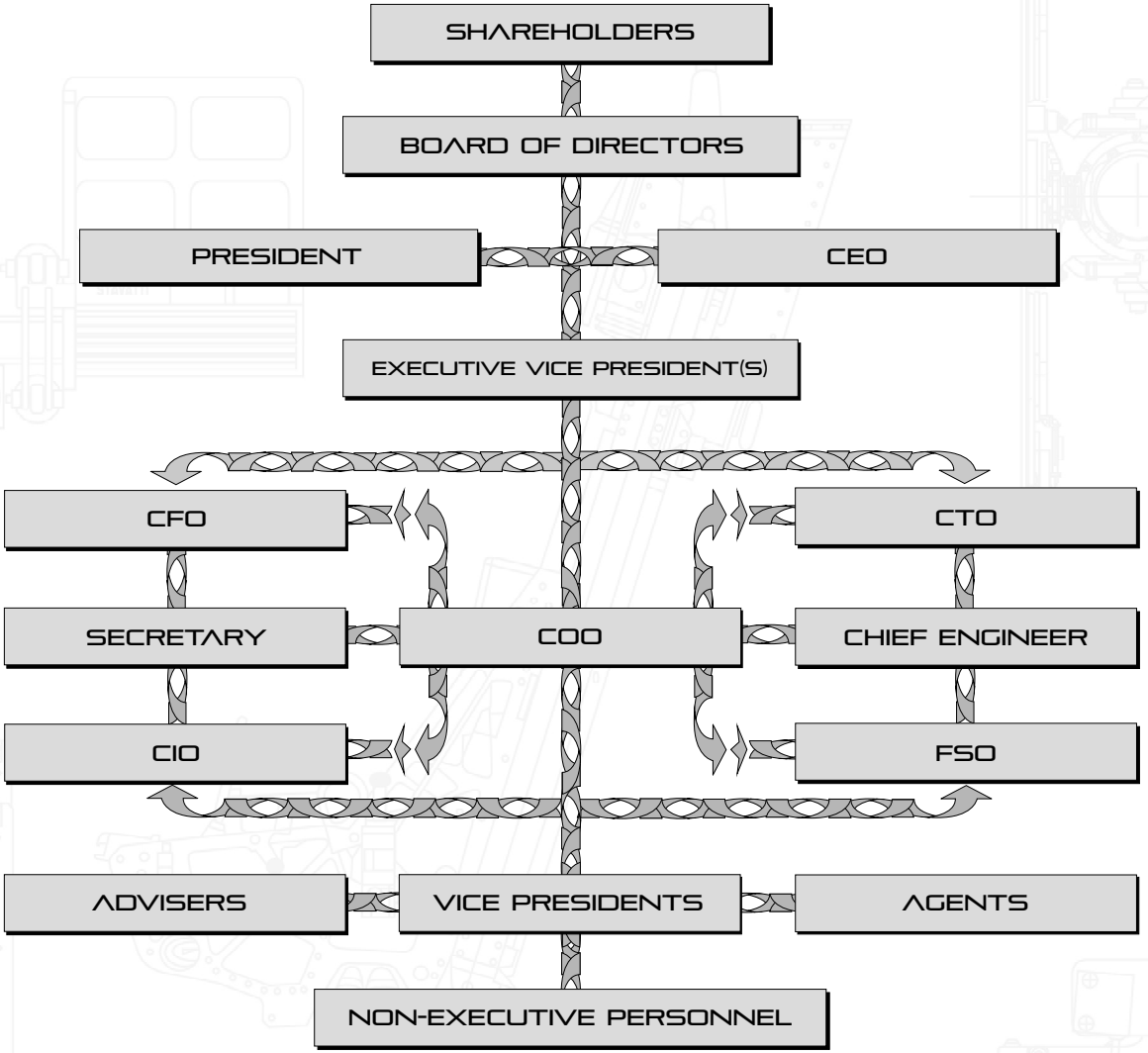


STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

LEADERSHIP

STAVATTI



CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

CORE VALUES

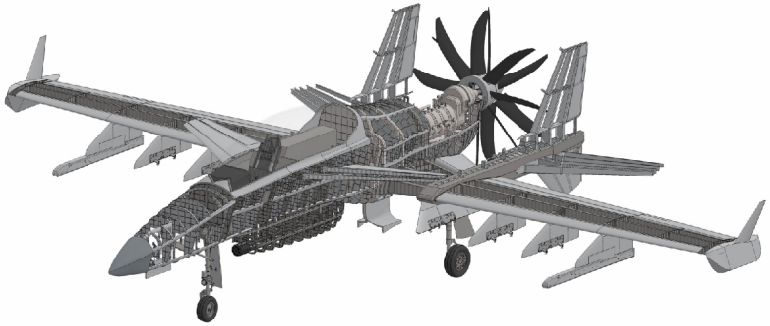
STAVATTI

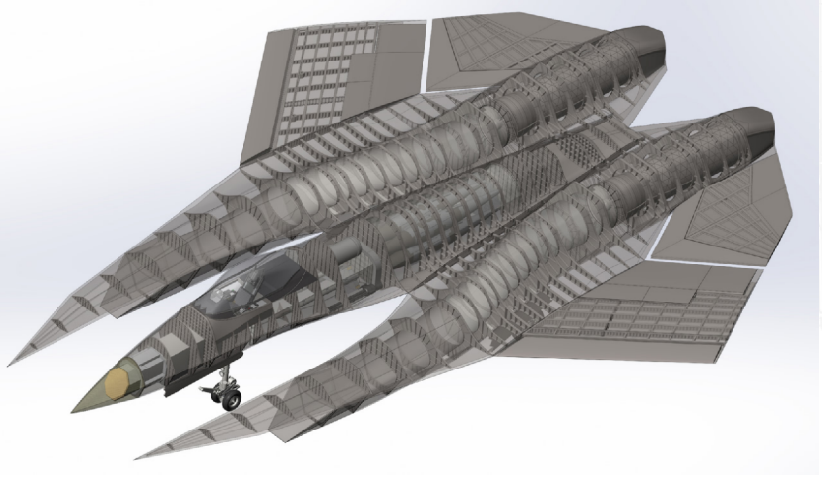
Stavatti business practices adhere to distinct Core Values including...

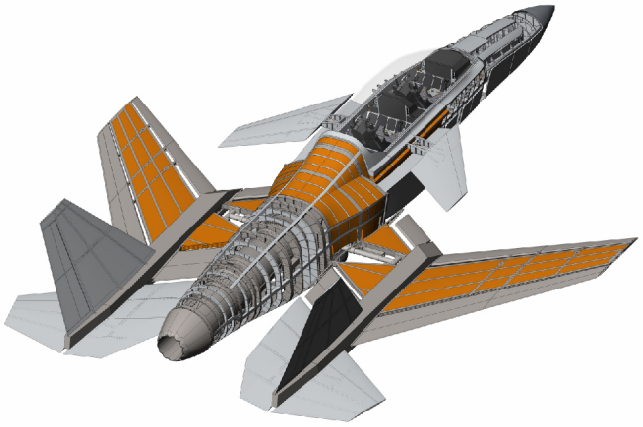
- Best-in-Class Products
- Customer Success
- Mission Focus
- Responsibility and Patriotism
- Commercial Best Practices
- Employee Achievement and Success
- Revenue Creation
- Absolute Quality
- Leadership with Strategic Vision
- Individual Ability
- Continuous Learning, Improvement and Innovation

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

Stavatti conducts all engineering and design in-house using PLM CAD tools including SolidWorks Premium and CATIA







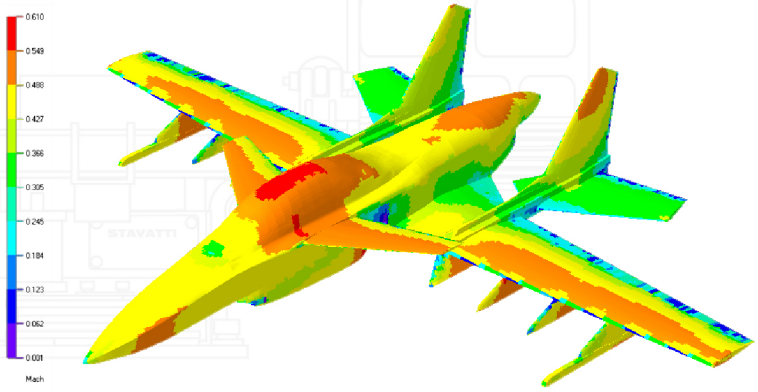
SOLIDWORKS

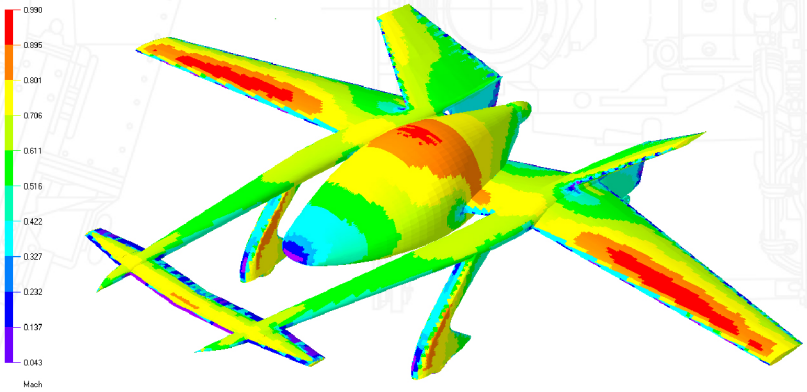
CATIA

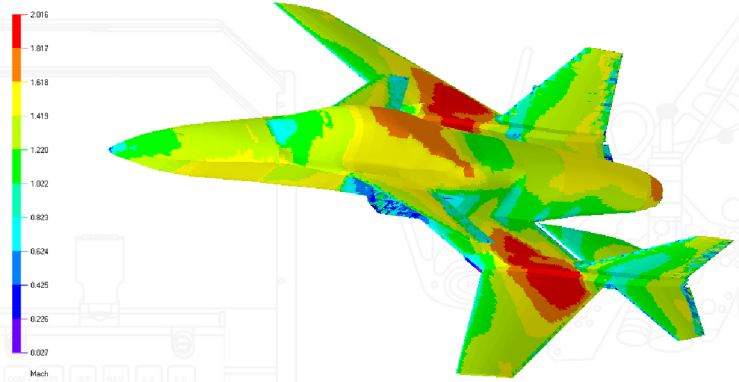
CFD & FEA

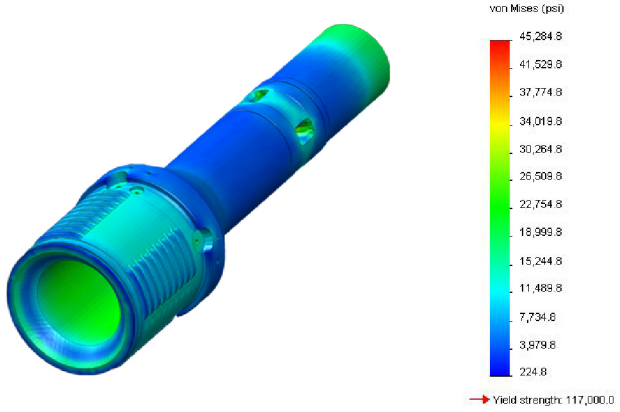
STAVATTI

Stavatti performs Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA) of all airframes and parts with ongoing simulation 24/7.









STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

NAICS CODES

STAVATTI

- **North American Industry Classification System Codes (NAICS Codes) Applicable to Stavatti Aerospace Ltd and Stavatti Industries Ltd Include:**

336411	Aircraft Manufacturing
336412	Aircraft Engine and Engine Parts Manufacturing
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
488190	Other Support Activities For Air Transportation
336414	Guided Missile and Space Vehicle Manufacturing
336415	Missile and Space Vehicle Propulsion Unit Manufacturing
336419	Missile and Space Vehicle Auxiliary Equipment Manufacturing
336111	Gas Turbines Except Aircraft Manufacturing
332995	Aircraft Artillery Manufacturing
332993	Ammunition Except Small Arms Manufacturing
332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing
333132	Oil and Gas Field Machinery and Equipment Manufacturing
333131	Mining Machinery and Equipment Manufacturing
332710	Machine Shop
333249	Other Industrial Machinery Manufacturing
332117	Powder Metallurgy Part Manufacturing
541618	Other Management Consulting Services

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510

CONTACT

STAVATTI

Contact Stavatti today at:

STAVATTI NIAGARA
9400 Porter Road
Niagara Falls, NY 14304

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

STAVATTI WYOMING
30 N Gould Street, Ste 2247
Sheridan, WY 82801

MN Tel: 651-238-5369
NY Tel: 716-205-8396
email: aerospace@stavatti.com
https://www.stavatti.com

STAVATTI AEROSPACE

CAGE CODE: 8GT89 DUNS: 117383324 PSC: 1510