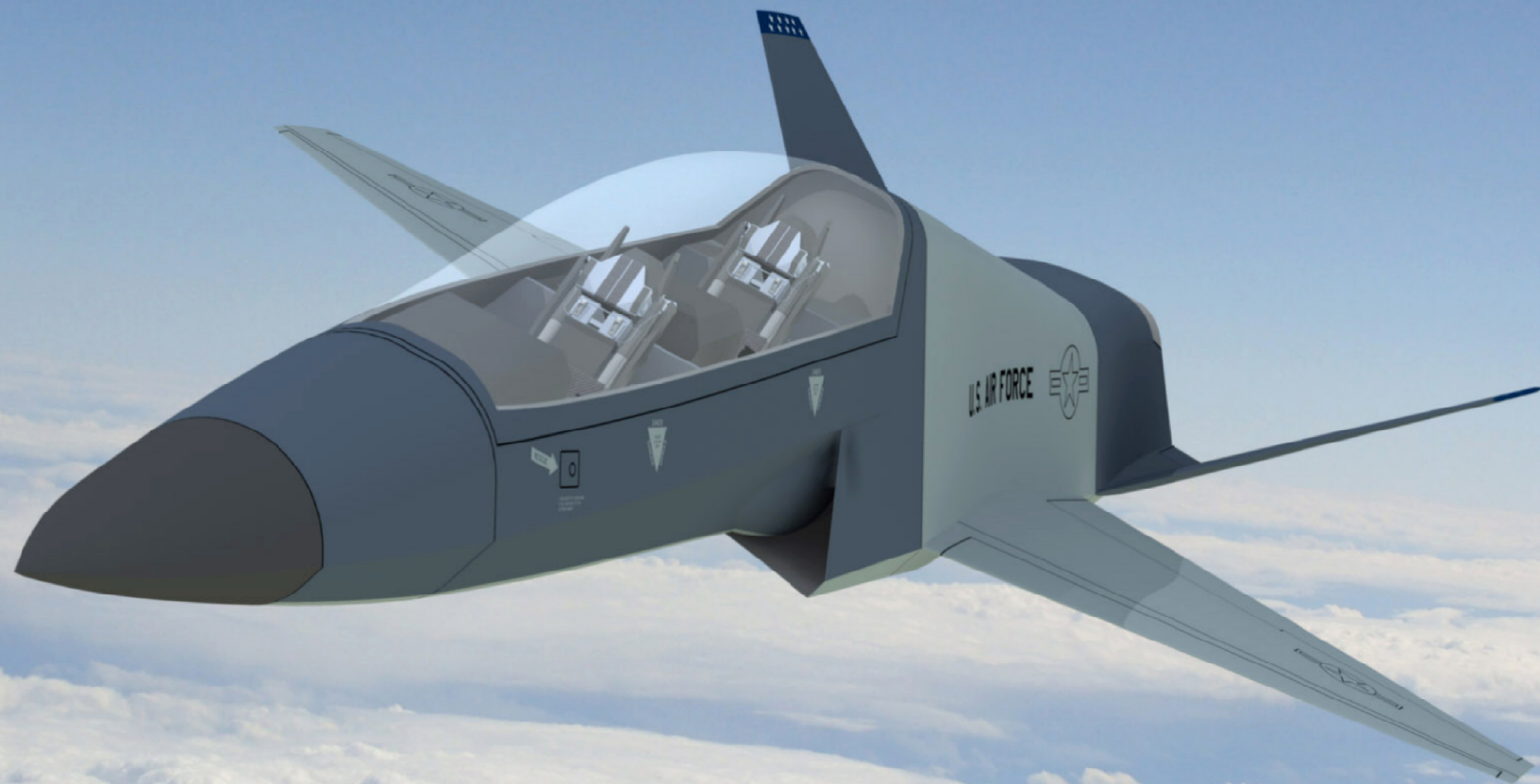


STAVATTI™ JAVELIN T-X



ADVANCED PILOT TRAINER

JAVELIN T-X ADVANCED TRAINER

Performance & Specifications

FLYAWAY COST: \$10 Million Typical Flyaway

AVAILABILITY: TBD

TYPE

Advanced Pilot Trainer (APT/T-X) and Supersonic Trainer (ST)

ACCOMMODATION

Flight Crew of Two Seated on Martin Baker MK16E Zero-Zero Ejection Seats

POWERPLANT

One (1) Honeywell F125-GA-100 Derivative Afterburning Turbofans delivering 9,850 lbs st with Afterburners and 6,230 lbs st at Military Power. The powerplant is fitted with variable geometry, thrust vectoring 2D nozzle.

STRUCTURE

Semi-monocoque aluminum lithium and aluminum honeycomb sandwich construction throughout. Titanium used in high fatigue areas and high temperature regions. Extensive use of Laser and Friction Stir Welding in all assemblies.

ARMAMENT

Fixed: T-X: None; Has provisions for one fuselage mounted M61A2 20mm gatling cannon with 500 rds

Expendable: T-X: None; Has provisions for up to six external wing hardpoints for up to 7,000 lbs of external stores

DIMENSIONS

Wingspan	24 ft 0 in	Wing Area	176 sq ft
Length Overall	41 ft 8 in	Wheelbase	15 ft 8 in
Height Overall	9 ft 0 in	Wheeltrack	10 ft 8 in

WEIGHTS & CAPACITIES

Empty Weight	7,100 lbs
Max Internal Fuel	3,800 lbs
Max Payload	1,600 lbs
Typical Takeoff Weight (TTW)	11,500 lbs
Max Take-Off Weight (MTOW)	12,500 lbs

LOADINGS

Wing Loading @ TTW (lbs/sq ft)	65.3
Thrust-to-Weight @ TTW	0.86
Wing Loading @ MTOW (lbs/sq ft)	71.0
Thrust-to-Weight @ MTOW	0.79
Positive Load Limit @ MTOW	9.0

PERFORMANCE

Max Level Speed @ SL (KTAS)	760	Dash Range @ 1.46 Mach (nm)	275
Max Level Speed @ Altitude (KTAS)	840	Cruise Range @ 0.90 Mach (nm)	1,273
Typical Cruise Speed @ Altitude (KTAS)	490	Cruise Range @ 0.80 Mach (nm)	1,712
Max Level Mach Number @ SL	1.15	Takeoff, Ground Roll @ SL-MTOW (ft)	1,516
Max Level Mach Number @ Altitude	1.46	Takeoff, BFL @ SL-MTOW (ft)	2,220
Stall Speed @ SL (KTAS)	95	Takeoff, Ground Roll @ SL-TTW (ft)	1,267
Approach Speed @ SL (KTAS)	114	Takeoff, BFL @ SL-TTW (ft)	1,993
Best Climb Speed @ SL (KTAS)	465	Landing, Ground Roll @ SL-MTOW (ft)	2,643
Max Climb Rate @ SL (ft/min)-MTOW	24,500	Landing, BFL @ SL-MTOW (ft)	3,318
Max Climb Rate @ SL (ft/min)-TTW	26,700	Landing, Ground Roll @ SL-TLW (ft)	1,823
Service Ceiling Exceeds (ft)	45,000	Landing, BFL @ SL-TLW (ft)	2,590

