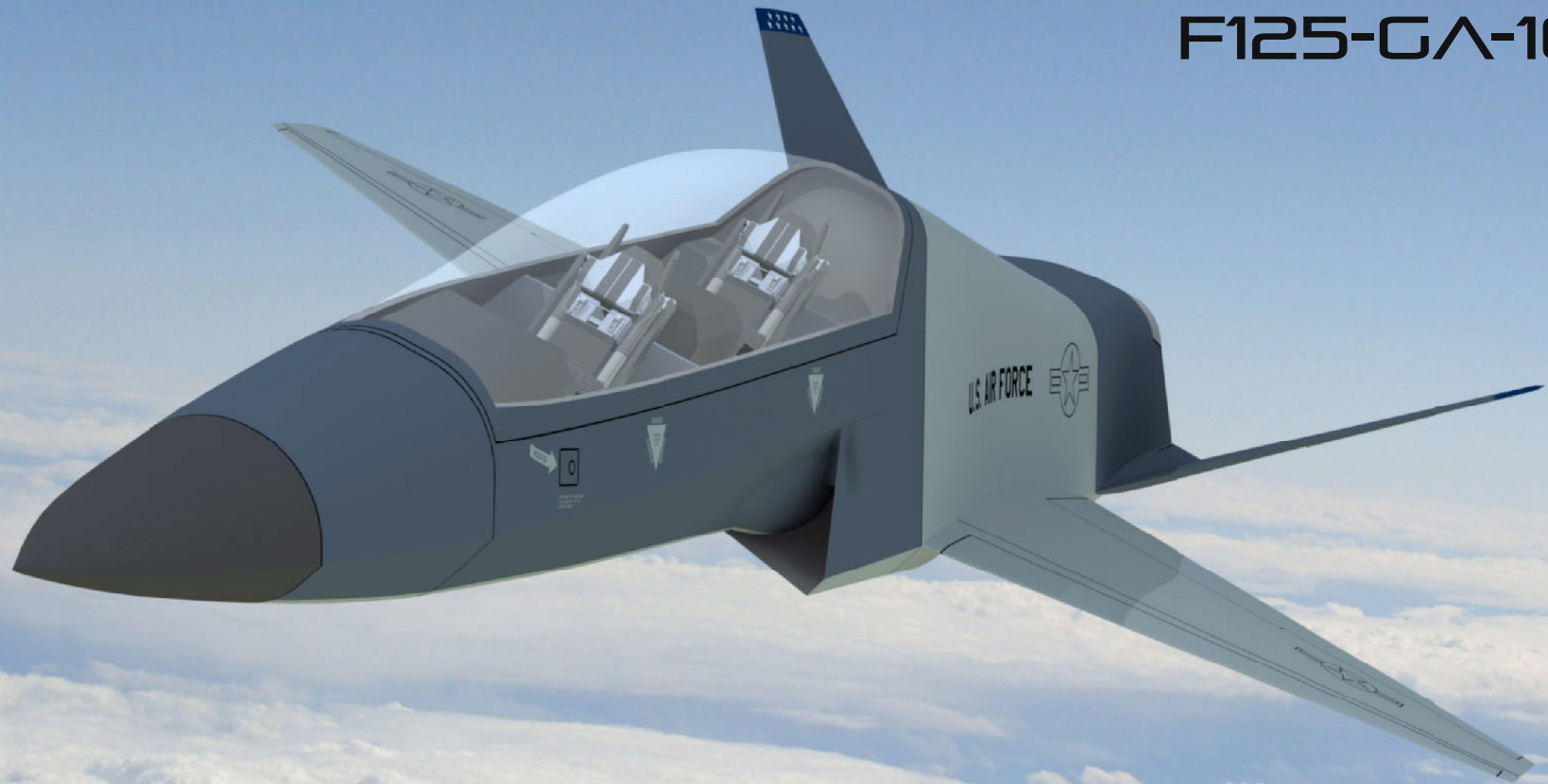


# STAVATTI™ JAVELIN T-X

*Powered by*  
**F125-GA-100**



## ADVANCED PILOT TRAINER

# JAVELIN T-X ADVANCED TRAINER

## Performance & Specifications

FLYAWAY COST: \$14 Million Typical Flyaway

AVAILABILITY: TBD

### TYPE

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

### ACCOMMODATION

Flight Crew of Two Seated in Tandem on Martin Baker MK16E or MK 18 Zero-Zero Ejection Seats

### POWERPLANT

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

### STRUCTURE

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

### ARMAMENT

Fixed: None  
Expendable: None; Has provisions for up to six external wing hardpoints for up to 1,100 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  | Wing Loading @ MMW (lbs/sq ft)  | 54.5 |
| Max Internal Fuel          | 3,800 lbs  | Thrust-to-Weight @ MMW          | 1.03 |
| Max Payload                | 1,700 lbs  | Wing Loading @ MTOW (lbs/sq ft) | 71.0 |
| Mid-Mission Weight (MMW)   | 9,600 lbs  | Thrust-to-Weight @ MTOW         | 0.79 |
| Max Take-Off Weight (MTOW) | 12,500 lbs | Positive Load Limit @ MTOW      | 9.0  |

### PERFORMANCE

|                                     |           |                                 |               |
|-------------------------------------|-----------|---------------------------------|---------------|
| Max Level Speed @ SL                | 1.00 Mach | Max Climb Rate @ SL; MTOW       | 25,885 ft/min |
| Max Level Speed @ FL350             | 1.43 Mach | Max Climb Rate @ SL; MMW        | 34,078 ft/min |
| Max Cruise Speed @ SL               | 0.90 Mach | Dash Range @ 1.43 Mach          | 220 nm        |
| Max Cruise Speed @ FL350            | 0.90 Mach | Dash Radius @ 1.43 Mach         | 103 nm        |
| Typical Cruise Speed @ SL           | 0.80 Mach | Cruise Range @ 0.90 Mach        | 1,665 nm      |
| Typical Cruise Speed @ FL350        | 0.80 Mach | Cruise Radius @ 0.90 Mach       | 651 nm        |
| Takeoff Speed; MTOW @ SL            | 140 Ktas  | Ferry Range with External Tanks | 2,441 nm      |
| Stall Speed; MTOW @ SL              | 127 Ktas  | Takeoff, Ground Roll @ SL-TTW   | 1,267 ft      |
| Approach Speed; Landing Weight @ SL | 114 Ktas  | Takeoff, BFL @ SL-TTW           | 1,991 ft      |
| Stall Speed; Landing Weight @ SL    | 95 Ktas   | Landing, Ground Roll @ SL-TLW   | 1,203 ft      |
| Service Ceiling Exceeds             | 60,000 ft | Landing, BFL @ SL-TLW           | 1,973 ft      |

