

# HEAD-2-HEAD COMPARISON

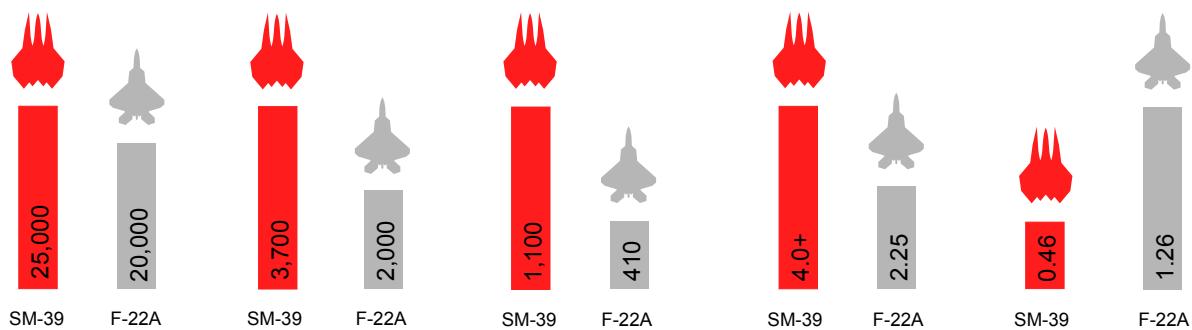


## SM-39

Stavatti  
 Contact Stavatti  
 1  
 2 x E1400  
 104,800  
 54.50  
 78.60  
 13.67  
 1,132  
 46,000  
 30,000  
 23,000  
 25,000  
 100,000  
 12  
 Gas Dynamic Laser  
 123  
 4.00  
 75,000  
 70,000  
 1,100  
 2,800  
 3,700  
 88  
 1.05  
 7.50  
 1,457  
 1,985  
 0.46  
 0.0000250

**Manufacturer**  
**Year of First Flight**  
**Flight Crew**  
**Powerplant(s)**  
**Max Thrust (lbs)**  
**Span (ft)**  
**Length (ft)**  
**Height (ft)**  
**Wing Area (sq ft)**  
**Empty Weight (lbs)**  
**Max Internal Fuel (lbs)**  
**Max Fuel Warload (lbs)**  
**Max Warload (lbs)**  
**MTOW (lbs)**  
**Stores Stations**  
**Internal Gun**  
**Stall Speed @ SL-MTOW (KTAS)**  
**Max Speed @ Altitude (MACH)**  
**Max Climb Rate @ SL (ft/min)**  
**Service Ceiling (ft)**  
**Tactical Radius**  
**Max Range**  
**Ferry Range**  
**Wing Loading (lbs/sq ft)**  
**Thrust to Weight Ratio**  
**Load Limits (g)**  
**Takeoff Distance; 50 ft Obstacle (ft)**  
**Landing Distance; 50 ft Obstacle (ft)**  
**Fuel to Move 1,000 lb Warload 1 nm (lbs)**  
**RCS (Square Meters)**

Lockheed Martin  
 1997  
 1  
 2 x F119-PW-100  
 70,000  
 44.50  
 62.08  
 16.67  
 840  
 43,430  
 20,649  
 19,421  
 20,000  
 83,500  
 12  
 1 x 20mm M61A2  
 154  
 2.25  
 60,000  
 65,000  
 410  
 1,600  
 2,000  
 99  
 0.84  
 9.00  
 1,574  
 657  
 1.26  
 0.000100



1: With Max Internal Fuel 2: With External Fuel 3: Aircraft in Clean Configuration 4: Fuel Consumed (lbs) to move 1,000 lbs of Warload 1 nm