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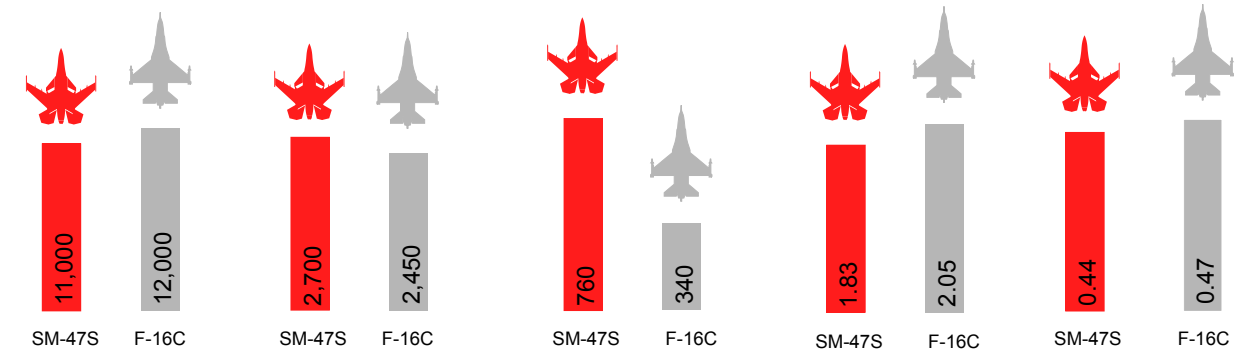
F-16C	VS.	SM-47S
Lockheed Martin	**Manufacturer**	Stavatti
1974	**Year of First Flight**	Projected 2014
1	**Flight Crew**	1
1 x M61A1 20mm	**Fixed Armament**	1 x M61A2 20mm
7	**Stores Stations**	8
1 x F110-GE-129	**Powerplant(s)**	1 x F414-GE-400
28,984	**Max Thrust (lbs)**	22,000
31.00	**Span (ft)**	36.00
49.33	**Length (ft)**	40.00
16.66	**Height (ft)**	12.75
300	**Wing Area (sq ft)**	310.00
19,020	**Empty Weight (lbs)**	14,478
7,162	**Max Internal Fuel (lbs)**	7,250
12,000	**Max Warload (lbs)**	11,000
42,300	**MTOW (lbs)**	33,616
120	**Stall Speed @ SL (KTAS)**	116
2.05	**Max Speed @ ALT (Mach)**	1.83
0.85-1.89	**Max Cruise @ ALT (Mach)**	0.85-1.40
50,000	**Max Climb Rate @ SL (ft/min)**	35,000
61,500	**Service Ceiling (ft)**	60,000
340	**Tactical Radius, Internal Fuel (nm)**	760
1,260	**Max Range, Internal Fuel (nm)**	1,520
2,450	**Max Range, With External Fuel (nm)**	2,700
141	**Max Wing Loading (lbs/sq ft)**	110.8
0.66	**Max Thrust-To-Weight Ratio**	0.64
9.0	**Load Limits (g)**	10.0
1,400	**Takeoff Distance; 50 ft Obstacle (ft)**	1,320
2,950	**Landing Distance; 50 ft Obstacle (ft)**	1,770
0.47	**Fuel To Move 1,000 lb Warload 1 nm (lbs)**	0.44



1: With Max Internal + Max External Fuel **2**: Internal Fuel Only + External WarLoad **3**: Aircraft in Clean Configuration

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