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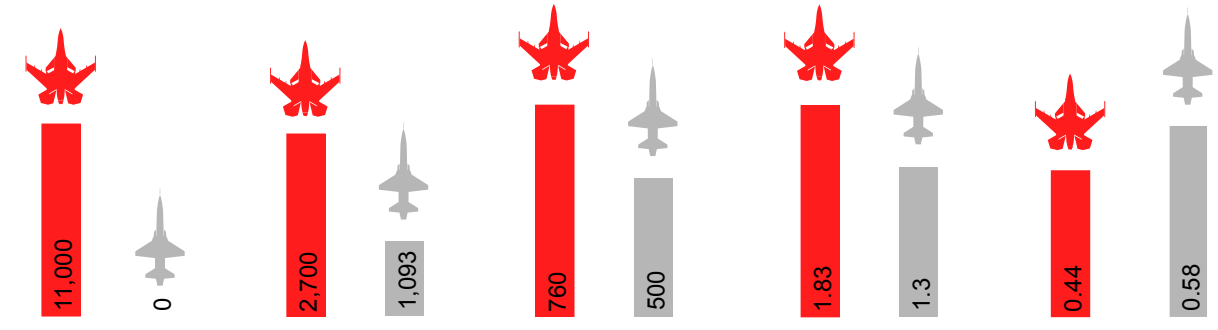
T-38C	VS.	SM-47T
Northrop	**Manufacturer**	Stavatti
1959	**Year of First Flight**	Projected 2014
2	**Flight Crew**	2
None	**Fixed Armament**	1 x M61A2 20mm
None	**Stores Stations**	8
2 x J85-5A	**Powerplant(s)**	1 x F414-GE-400
6,600	**Max Thrust (lbs)**	22,000
25.25	**Span (ft)**	36.00
46.38	**Length (ft)**	40.00
12.88	**Height (ft)**	12.75
170	**Wing Area (sq ft)**	310.00
7,200	**Empty Weight (lbs)**	14,939
3,982	**Max Internal Fuel (lbs)**	7,250
0	**Max Warload (lbs)**	11,000
12,500	**MTOW (lbs)**	34,346
120	**Stall Speed @ SL (KTAS)**	118
1.3	**Max Speed @ ALT (Mach)**	1.83
0.88	**Max Cruise @ ALT (Mach)**	0.85-1.40
33,600	**Max Climb Rate @ SL (ft/min)**	32,500
55,000	**Service Ceiling (ft)**	60,000
500	**Tactical Radius, Internal Fuel (nm)**	760
1,093	**Max Range, Internal Fuel (nm)**	1,520
-	**Max Range, With External Fuel (nm)**	2,700
70	**Max Wing Loading (lbs/sq ft)**	110.8
0.65	**Max Thrust-To-Weight Ratio**	0.64
7.33	**Load Limits (g)**	10.0
4,002	**Takeoff Distance; 50 ft Obstacle (ft)**	1,390
4,904	**Landing Distance; 50 ft Obstacle (ft)**	1,820
0.58	**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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