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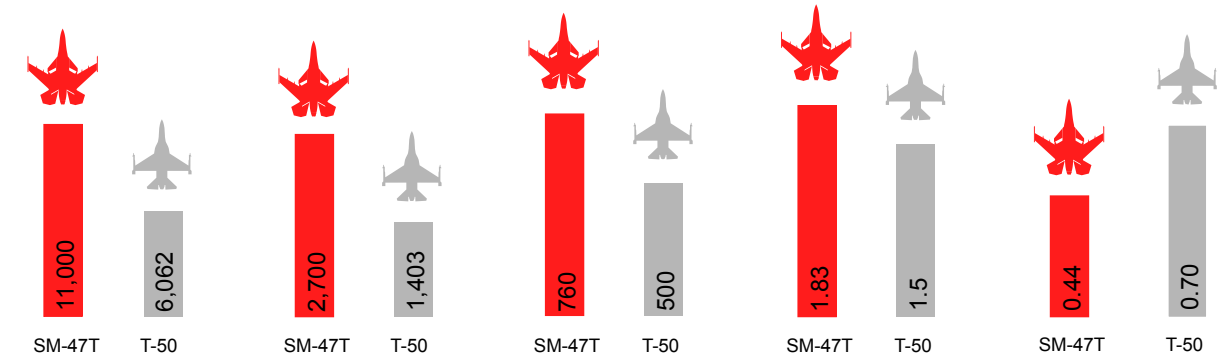
T-50		SM-47T
Samsung Aerospace	**Manufacturer**	Stavatti
2002	**Year of First Flight**	Projected 2014
2	**Flight Crew**	2
1 x M61A1 20mm	**Fixed Armament**	1 x M61A2 20mm
7	**Stores Stations**	8
1 x F404-GE-102	**Powerplant(s)**	1 x F414-GE-400
17,775	**Max Thrust (lbs)**	22,000
30.08	**Span (ft)**	36.00
42.58	**Length (ft)**	40.00
15.69	**Height (ft)**	12.75
225	**Wing Area (sq ft)**	310.00
14,198	**Empty Weight (lbs)**	14,939
4,861	**Max Internal Fuel (lbs)**	7,250
6,062	**Max Warload (lbs)**	11,000
29,696	**MTOW (lbs)**	34,346
120	**Stall Speed @ SL (KTAS)**	118
1.5	**Max Speed @ ALT (Mach)**	1.83
0.85	**Max Cruise @ ALT (Mach)**	0.85-1.40
39,567	**Max Climb Rate @ SL (ft/min)**	32,500
48,500	**Service Ceiling (ft)**	60,000
500	**Tactical Radius, Internal Fuel (nm)**	760
1,150	**Max Range, Internal Fuel (nm)**	1,520
1,403	**Max Range, With External Fuel (nm)**	2,700
132	**Max Wing Loading (lbs/sq ft)**	110.8
0.59	**Max Thrust-To-Weight Ratio**	0.64
8	**Load Limits (g)**	10.0
1,131	**Takeoff Distance; 50 ft Obstacle (ft)**	1,390
2,319	**Landing Distance; 50 ft Obstacle (ft)**	1,820
0.70	**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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