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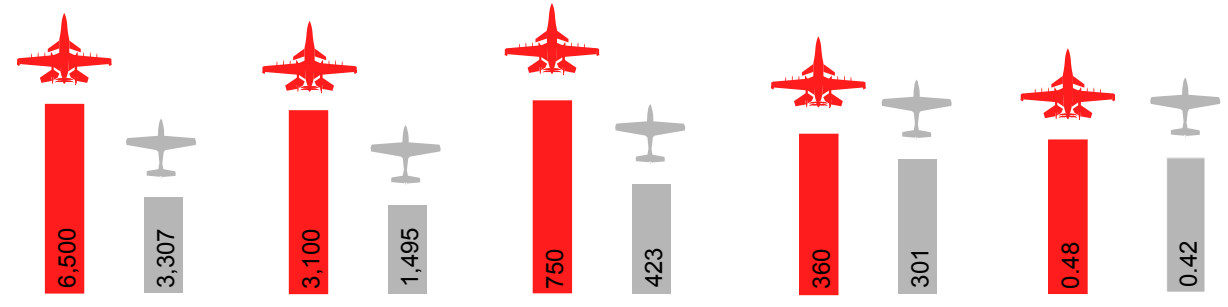
A-29 ALX	VS.	SM-27S
Embraer	**Manufacturer**	Stavatti
1996 (ALX)	**Year of First Flight**	Projected 2012
1 or 2	**Flight Crew**	1
2 x 12.7mm	**Fixed Armament**	1 x GAU-13/A 30mm
5	**Stores Stations**	8
1 x P&WC PT6A-68/1	**Powerplant(s)**	1 x PW127
1,600	**Max Power (shp)**	2,920
36.50	**Span (ft)**	50.00
37.30	**Length (ft)**	38.00
13.00	**Height (ft)**	12.75
208.8	**Wing Area (sq ft)**	280.00
5,335	**Empty Weight (lbs)**	11,200
1,186	**Max Fuel (lbs)**	5,000
3,307	**Max Warload (lbs)**	6,500
10,842	**MTOW (lbs)**	24,104
78	**Stall Speed @ SL (KTAS)**	91
301	**Max Speed @ ALT (KTAS)**	360
286	**Max Cruise @ ALT (KTAS)**	330
4,724	**Max Climb Rate @ SL (ft/min)**	3,900
35,000	**Service Ceiling (ft)**	40,000
423	**Tactical Radius, Internal Fuel (nm)**	750
847	**Max Range, Internal Fuel (nm)**	1,600
1,495	**Max Range, With External Fuel (nm)**	3,100
6.5	**Endurance, Internal Fuel (Hrs)**	7.5
33.68	**Wing Loading (lbs/sq ft)**	86.2
5.41	**Power Loading (lbs/shp)**	8.25
1,805	**Takeoff Distance; 50 ft Obstacle (ft)**	2,440
2,820	**Landing Distance; 50 ft Obstacle (ft)**	1,099
0.42	**Fuel To Move 1,000 lb Warload 1 nm (lbs)**	0.48



1: With Max Internal + Max External Fuel **2**: Internal Fuel Only + External WarLoad

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