

HEAD-2-HEAD COMPARISON



SM-27S

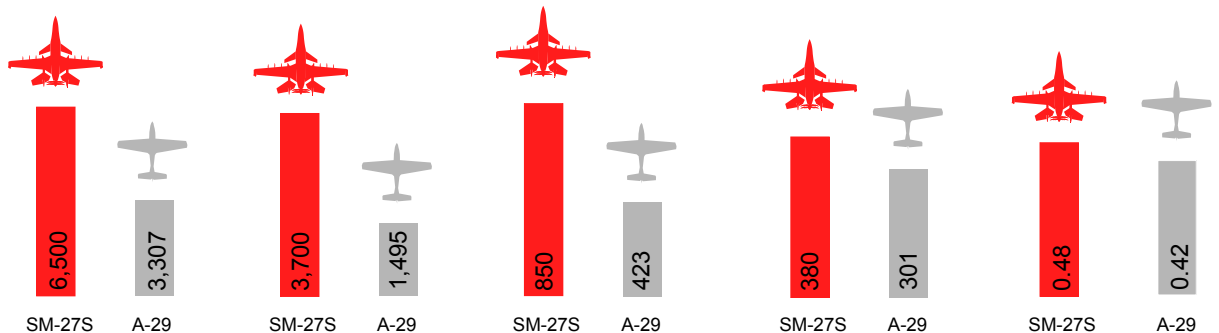
VS

A-29 ALX

Stavatti
 Projected 2012
 1
 1 x GAU-13/A 30mm
 8
 1 x PW127G
 2,920
 50.00
 38.00
 12.75
 280.00
 11,200
 5,000
 6,500
 24,104
 91
 380
 330
 4,100
 35,000
 850
 1,600
 3,700
 8.25
 86.1
 8.25
 2,400
 1,099
 0.48

Manufacturer
Year of First Flight
Flight Crew
Fixed Armament
Stores Stations
Powerplant(s)
Max Power (shp)
Span (ft)
Length (ft)
Height (ft)
Wing Area (sq ft)
Empty Weight (lbs)
Max Internal Fuel (lbs)
Max Warload (lbs)
MTOW (lbs)
Stall Speed @ SL (KTAS)
Max Speed @ ALT (KTAS)
Max Cruise @ ALT (KTAS)
Max Climb Rate @ SL (ft/min)
Service Ceiling (ft)
Tactical Radius, Internal Fuel (nm)
Max Range, Internal Fuel (nm)
Max Range, With External Fuel (nm)
Max Wing Loading (lbs/sq ft)
Max Power Loading (shp/lb)
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)

Embraer
 1996 (ALX)
 1
 2 x 12.7mm
 5
 1 x P&WC PT6A-68/1
 1,600
 36.50
 37.30
 13.00
 208.8
 5,335
 1,186
 3,307
 10,842
 78
 301
 286
 4,724
 35,000
 423
 847
 1,495
 33.68
 6.78
 5.41
 1,805
 2,820
 0.42



Max Warload (lbs)¹ Max Range (nm)² Tactical Radius (nm)¹ Max Speed (KTAS)³ Relative Fuel Burn⁴

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