

HEAD-2-HEAD COMPARISON



SM-27J

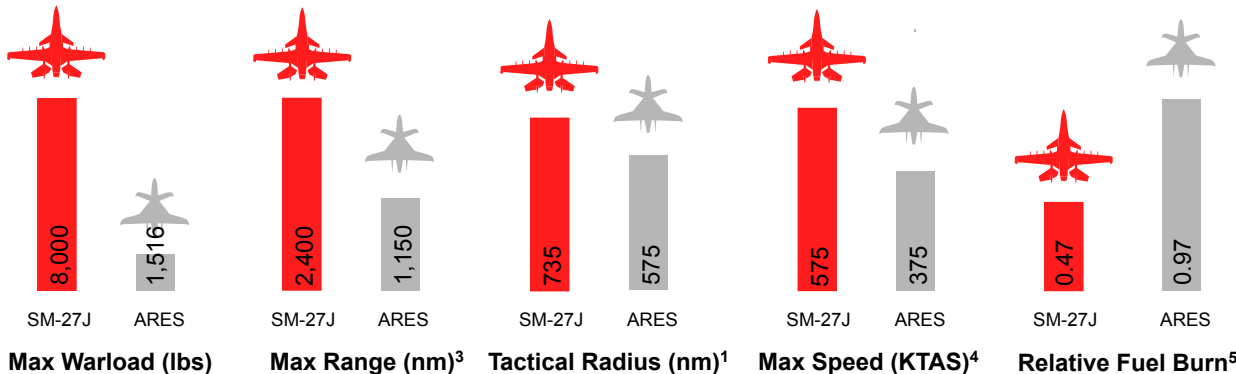
VS

151 ARES

Stavatti
 Projected 2013
 1
 1 x GAU-13/A 30mm
 8
 1 x Non-Afterburning F414
 14,756
 50.00
 38.00
 12.75
 280.00
 12,202
 6,000
 8,000
 27,605
 102
 575
 530
 21,604
 50,000
 735
 1,600
 2,400
 98.7
 0.53
 9.8
 1,304
 1,354
 0.47

Manufacturer
Year of First Flight
Flight Crew
Fixed Armament
Stores Stations
Powerplant(s)
Max Thrust (lbs)
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 Thrust-To-Weight Ratio
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)

Scaled Composites
 1990
 1
 1 x GAU-12/U 25mm
 4
 1 x JT15D-5
 2,950
 35.00
 25.43
 9.83
 188.3
 2,884
 1,700
 1,516
 6,100
 78
 375
 210
 2,400
 35,000
 575
 1,150
 ?
 32.40
 0.48
 8
 1,500
 2,000
 0.97



1: With 70% Internal Fuel 2: With Max Internal Fuel 3: With Max External Fuel 4: Aircraft in Clean Configuration 5: Fuel Consumed (lbs) to move 1,000 lbs of Warload 1 nm