

STAVATTI™

SM-27IT



Turbofan ISR

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Performance & Specifications

AVAILABILITY: Anticipated 2013

TYPE

Intelligence, Surveillance and Reconnaissance (ISR) Platform

ACCOMMODATION

Single Pilot Seated on a MKUS.16L Ejection Seat

SENSORS

One Ventral Centerline Mounted Sensor Pod with Integrated FLIR, SAR/GMTI, EO Camera and Laser Designator;

DIMENSIONS

Wingspan	90 ft 0 in
Length Overall	38 ft 0 in
Height Overall	12 ft 9 in
Wing Area	479 sq ft

POWERPLANT

One (1) Non-AB F414 Derivative Turbofan Delivering 14,756 lb st.

WEIGHTS & LOADINGS

Empty Weight	11,055 lbs
Maximum Internal Fuel	8,000 lbs
Max Payload Weight	3,000 lbs
Max Take-Off Weight (MTOW)	22,365 lbs
Max Wing Loading (lbs/sq ft)	46.72
Max Thrust-to-Weight Ratio	0.66

PERFORMANCE

Max Level Speed @ SL	570 KTAS
Max Level Speed @ 25,000 ft	525 KTAS
Max Cruise Speed @ 55,000 ft	480 KTAS
Loiter Speed @ 55,000 ft	350 KTAS
Stall Speed, Landing Config.	85 KTAS
Max Cruise Range-Internal Fuel	4,700 nm
Max Loiter Endurance-Internal Fuel	13+ Hrs
Max Initial Rate-of Climb @ SL	17,250 ft/min
Service Ceiling Exceeds	65,000 ft
Take-Off Distance over 50 ft Obstacle	1,077 ft
Landing Distance over 50 ft Obstacle	996 ft

