

STAVATTI[®]

SM-26U



SLEEK DRONE

UNPILOTED COMBAT AIR VEHICLE (UCAV)

SM-26U SLEEK DRONE

Performance & Specifications

FLYAWAY COST: Contact Stavatti

AVAILABILITY: TBD

TYPE

Unpiloted Combat Air Vehicle (UCAV) for Strike, Attack, Close Air Support and ISR

ACCOMMODATION

Unpiloted, Autonomous Artificially Intelligent Drone

POWERPLANT

One (1) GEAE H85 Turboprop delivering 850 eshp @ 2,080 RPM driving a 8 ft diameter, 5 Blade Scimitar Propeller.

STRUCTURE

Cantilever three spar semi-monocoque aluminum lithium foam metal sandwich wing, canard and empennage with modular four element semi-monocoque aluminum lithium and aluminum foam metal sandwich fuselage.

AVIONICS

Optional AESA Radar and IRST with Sensor Fusion, Secure LINK 16, integrated GPS and NAV/COM/IFF, Integrated ECM/EW with full authority digital power-by-wire flight controls.

DIMENSIONS

Wingspan	36 ft 0 in
Length Overall	25 ft 8 in
Height Overall	8 ft 6 in
Wing Area (Reference)	156.6 sq ft

INTERNAL WEAPONS BAY

Weapons Bay Length	104.00 in
Weapons Bay Width-Max	26.00 in
Weapons Bay Height-Max	26.00 in

WEIGHTS & CAPACITIES

Empty Weight	2,400 lbs
Max Internal Fuel	900 lbs
Warload	3,300 lbs
Useful Load	4,600 lbs
Max Take-Off Weight (MTOW)	7,000 lbs

LOADINGS

Wing Loading @ MTOW (lbs/sq ft)	44.69
Power Loading @ MTOW (lbs/shp)	8.24
Limit Load Factor @ MTOW	4.50
Ultimate Load Factor @ MTOW	6.75

PERFORMANCE

Max Level Speed @ SL	274 KTAS	Max Speed Range @ SL	463 nm
Max Level Speed @ FL100	302 KTAS	Max Speed Range @ FL100	608 nm
Max Level Speed @ FL 250	300 KTAS	Max Cruise Range @ FL100	667 nm
Typical Cruise Speed @ FL100	250 KTAS	Max Cruise Range @ FL250	1,088 nm
Typical Cruise Speed @ FL250	250 KTAS	Max Climb Rate @ SL	2,583 ft/min
Typical Landing Stall Speed @ SL	52 KTAS	Service Ceiling	40,000 ft
Typical Approach Speed @ SL	68 KTAS	Takeoff over 50 ft, Takeoff Weight	1,631 ft
Typical Takeoff Speed @ SL	86 KTAS	Landing over 50 ft, Landing Weight	972 ft

