

SD-136 Kamikaze Attack Drone



50 kg

Max. Payload

200 kg

Max. Gross Weight

8-9 hours

Max. Flight Time

2500 mm

Wingspan

190 km/h

Cruise Speed

Performance & Specifications

Metric Units

Dimensions

Wingspan	2500 mm
Length	3500 mm
Wing Area	3.5 sq m
Aspect Ratio	2.5
Taper Ratio	0.3
Fuselage Diameter	320 mm

Weight

Aircraft Empty Weight	62.5 kg
Max. Payload/Warload	50 kg
Max. Fuel	87.5 kg
Max. Takeoff Weight	200 kg
Fuel Tank Capacity	108 L

Environment

Max. Wind Resistance	Level 7
IP Protection Rating	IP54
Operating Temps	-20 to 60°C

Structure

Cantilever integrated carbon tube three-spar wing structure, combined with carbon fiber wing ribs and carbon fiber skin to form an integrated wing structure via adhesive bonding. The fuselage structure is composed of an integral carbon fiber frame beam, carbon fiber frame plates and carbon fiber skin, featuring light structural weight, high strength and minimal deformation.

Flight Controls, Avionics, Sensors & EW

The flight control system adopts a self-developed high-precision GPS/INS/AHRS navigation algorithm with an update frequency of 400Hz. The flight control system features a self-developed multi-processor architecture, which boasts powerful matrix computing capability, high reliability and low power consumption. The UAV ground station intelligent monitoring system serves as the primary human-machine interaction interface for UAV control. The communication system employs broadband frequency hopping with multi-array multi-frequency band star search and positioning. Strike mode includes a dual zoom camera seeking for strike tracking as well as fixed coordinate position precision strike with autonomous route planning and GPS/BD2 + INS with enhanced anti-jamming.

Performance

Cruise Speed	190 km/h
Max. Speed	223 km/h
Stall Speed	144 km/h
Max. Endurance: 50 kg Payload	9 h
Max. Endurance: 20 kg Payload	12 h
Max. Range: 50 kg Payload	1621 km
Max. Range: 20 kg Payload	2000 km

Performance

Max. Climb Rate	5 m/s
Service Ceiling	4500 m
Min. Turning Radius	405 m
Max. AoA	15°
Max. Roll Angle	28°
AOA for Terminal Guidance	15° to 28°
Opt. Wheeled Takeoff	Yes

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STAVATTI

STAVATTI AEROSPACE LTD

SD-136 Kamikaze Attack Drone



110 lbs
Max. Payload

441 lbs
Max. Gross Weight

8-9 hours
Max. Flight Time

8.20 ft
Wingspan

102 Ktas
Cruise Speed

Performance & Specifications

Imperial Units

Dimensions

Wingspan	98.43 in
Length	137.8 in
Wing Area	37.67 sf
Aspect Ratio	2.5
Taper Ratio	0.3
Fuselage Diameter	12.6 in

Weight

Aircraft Empty Weight	137.8 lbs
Max. Payload/Warload	110.2 lbs
Max. Fuel	192.9 lbs
Max. Takeoff Weight	441 lbs
Fuel Tank Capacity	28.54 USG

Environment

Max. Wind Resistance	Level 7
IP Protection Rating	IP54
Operating Temps	-4 to 140°F

Structure

Cantilever integrated carbon tube three-spar wing structure, combined with carbon fiber wing ribs and carbon fiber skin to form an integrated wing structure via adhesive bonding. The fuselage structure is composed of an integral carbon fiber frame beam, carbon fiber frame plates and carbon fiber skin, featuring light structural weight, high strength and minimal deformation.

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Performance

Cruise Speed	102 Ktas
Max. Speed	120 Ktas
Stall Speed	78 Ktas
Max. Endurance: 110 lb Payload	9 h
Max. Endurance: 44 lb Payload	12 h
Max. Range: 110 lb Payload	875 nm
Max. Range: 44 lb Payload	1,075 nm

Powerplant

Type	4-cylinder, horizontally opposed
Cycle	2-Stroke
Cooling Method	Air Cooled
Displacement	35.38 cu in
Rated Power	49.6 hp
Max. RPM	6500
SFC @ cruise	0.289 lb/hp • hr
Bore	2.60 in
Stroke	1.61 in
Fuel	Unleaded Gasoline (91 Octane)
Fuel Mix Ratio	40:1
Propeller Diameter	33 in
TBO	100 hours

Launch System

Take-off Method	Rocket Booster Take-Off
Booster Thrust	4,496 lbs
Booster Burn Time	2 ± 0.2 Seconds

Performance

Max. Climb Rate	984 ft/min
Service Ceiling	14,764 ft
Min. Turning Radius	1,329 ft
Max. AoA	15°
Max. Roll Angle	28°
AOA for Terminal Guidance	15° to 28°
Opt. Wheeled Takeoff	Yes