

STAVATTI™ SM-150



SPORT AIRCRAFT

SM-150 Sport Aircraft

Performance & Specifications

FLYAWAY COST: CONTACT STAVATTI

AVAILABILITY: TBD

TYPE

Next Generation Sport Aircraft for Touring and Training certified to FAA FAR 23

ACCOMMODATION

Two Seat Side-By-Side with Bird Strike Resistant, Single-Piece Clamshell Canopy

POWERPLANT

1 x NeoThrust™ 100 axial piston engine developing 100 hp @ 2,300 Prop RPM with a 72-in, 3 Blade Propeller

STRUCTURE

Semi-monocoque aluminum foam metal sandwich construction throughout with aluminum lithium skins, ultra-low density aluminum foam cores and twin aluminum spars in the cantilever wings, canards and empennage.

AVIONICS

Proprietary touch screen LCD primary flight display with digital instruments, integrated GPS and NAV/COM/IFF with full authority digital Power-By-Wire flight controls.

DIMENSIONS

Wingspan	36 ft 0 in
Length Overall	24 ft 0 in
Height Overall	8 ft 8 in
Wing Area	137 sq ft

INTERIOR DIMENSIONS

Cabin Length	67.0 in
Cabin Width-Max	60.0 in
Cabin Height-Max	41.7 in

WEIGHTS & CAPACITIES

Empty Weight	1,000 lbs
Max Internal Fuel	156 lbs
Max Payload	444 lbs
Useful Load	600 lbs
Max Take-Off Weight (MTOW)	1,600 lbs

LOADINGS

Wing Loading @ MTOW (lbs/sq ft)	11.69
Power Loading @ MTOW (lbs/shp)	16.00
Positive Load Limit @ MTOW	4.00
Negative Load Limit @ MTOW	2.00

PERFORMANCE

Max Level Speed @ SL	125 KTAS	Range @ Max Level Speed- SL	539 nm
Max Level Speed @ 10,000 ft	137 KTAS	Range @ Max Level Speed-10,000 ft	592 nm
75% Cruise Speed @ SL	112 KTAS	Range @ 75% Cruise Speed-SL	616 nm
75% Cruise Speed @ 10,000 ft	122 KTAS	Range @ 75% Cruise Speed-10,000 ft	671 nm
50% Cruise Speed @ SL	95 KTAS	Range @ 50% Cruise Speed-SL	784 nm
50% Cruise Speed @ 10,000	103 KTAS	Range @ 50% Cruise Speed-10,000 ft	850 nm
Stall Speed, Clean	48 KTAS	Take-Off Distance over 50 ft Obstacle	605 ft
Stall Speed, Full Flaps	42 KTAS	Landing Distance over 50 ft Obstacle	267 ft
Max Initial Rate-of Climb @ SL	1,243 ft/min	Service Ceiling Exceeds	20,000 ft

