

SparrowHawk



Experience the **SparrowHawk**, a huge leap forward in sailplane design developed by **Windward Performance**. A pilot's sailplane, it combines affordability and high performance in a beautiful package. Rugged construction and safety conscious handling make your soaring adventures truly enjoyable. Climbing and running, the SparrowHawk flat out performs.





Comfort and Safety

The generously sized cockpit with ground adjustable rudder pedals and a superb fresh air ventilation system allows long, comfortable flights. The instrument panel rises with the large one piece canopy allowing easy ingress and egress. Fuselage cockpit cell utilizes four carbon longerons with four transverse bulkheads in addition to the carbon monocoque shell for crash protection.

Aerodynamics

Careful aerodynamic design contributes to the low airframe drag. The wing uses 5 airfoils for optimal glide and climb performance. The wing planform and airfoils contribute to extremely benign and controllable stall characteristics. Rolls are quick with a 2 second 45 to 45 degree roll reversal and the most powerful rudder on any sailplane gives very easy directional control. Class leading performance is shown by our FAI World Records.

Construction

The SparrowHawk is one tough aircraft. The structure is exclusively constructed from oven cured aerospace grade carbon fiber epoxy prepregs for outstanding strength and stiffness. This engineering and manufacturing technology advancement is only found at Windward Performance. The enhanced finish durability is provided by polyurethane paints and color and trim options are available.



Specifications
Empty Weight 155 LBS
Gross Weight 415 LBS
Wing Span 36.1 FT
Wing Area 70 SQ FT
Length 20.6 FT
Horizontal Span 6.8 FT
Vertical Height 4.5 FT
Structural Limits
 +5.4 / -4.0 g's
 Va, Vb = 80 KTS
 Vne = 123 KTS
Performance
Best Glide 37:1 at 50 KTS
Min Sink 119 FPM at 38 KTS
Stall Speed 32 KTS
 (data for 350 LBS)

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