



The Hawk 5





Introducing the Skyworks Hawk 5 Gyroplane

A revolutionary update on a proven sustained autorotative flight aircraft. Designed to provide a sustainable aircraft with longer ranges, higher speeds, and greater useful loads in a platform that can support a host of general aviation roles. Based on the fundamentals of gyronautics, the Hawk 5 gyroplane will compete favorably with fast single engine airplanes while providing the flexibility and flight envelop of a VTOL aircraft.





Hawk 5
Technology

Hawk 5

SPECS

Weight/Fuel Capacity

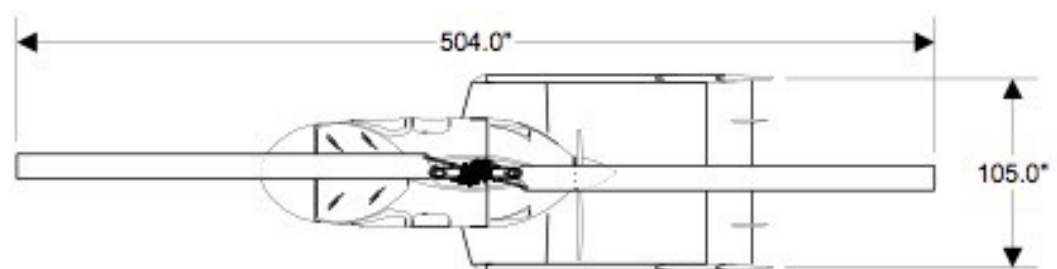
Max gross take-off weight	3,800 lbs
Empty weight	1,975 lbs
Useful load	1,825 lbs
Usable Fuel (Lbs.)	670

Engine

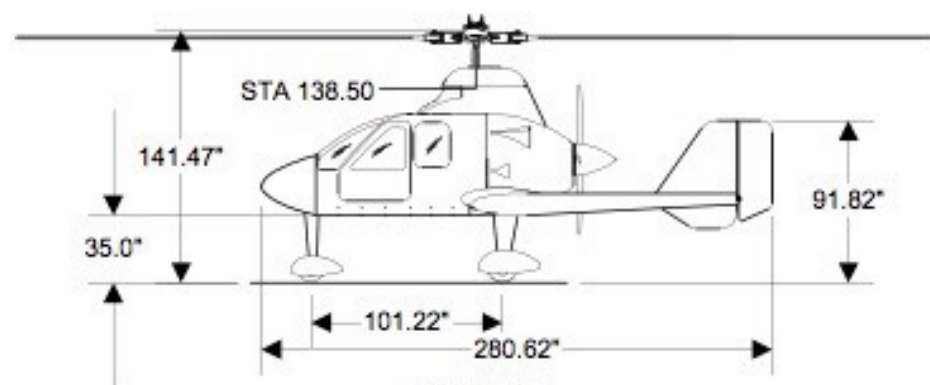
Manufacturer	Allison
Model	250-C20S Turboprop
Power	450 SHP

Rotor System

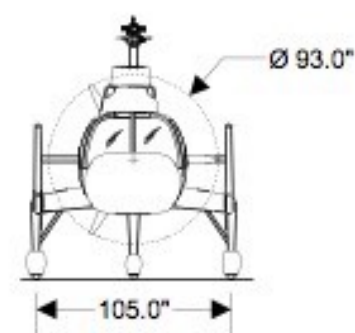
Lift	Two-bladed semi-rigid rotor system
Rotor diameter	42 ft.



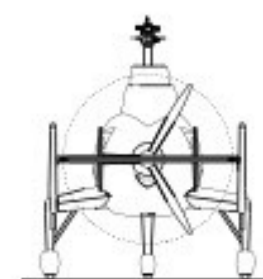
Top view



Side view



Front view



Rear view

Speed

Max cruise speed	140 knots
Max speed (V_{br})	85 knots
Max speed (V_{ne})	159 knots

Range

At max cruise	577 nm
At max cruise (V_{br})	866 nm

Seating Capacity

One Pilot	4 Passengers
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Broad Applications



URBAN MOBILITY



BORDER **PATROL**



AIRBORNE LAW ENFORCEMENT



SEARCH & RESCUE, EMERGENCY AID



CARGO **TRANSPORT**



SHORE-TO-SHIP RESUPPLY



AGRICULTURE **AERIAL APPLICATION**



POWERLINE AND PIPELINE PATROL

Advantages Over Helicopters



No transmission, **gearboxes, etc.**, so **far** more **reliable**



A tiny fraction of moving parts, so **far less** maintenance



Sustained autorotative flight = SAFETY!



Superior empty weight fraction = greater payload



"Hand's off stable" for a more pleasant flying experience!

and more

Learn More



Contact Information

801-793-0177

info@skyworks-global.com

9980 South 300 West, Suite 200

Salt Lake City UT 84070



Skyworks-Global

Simple. Safe. Sustainable.

