



## XV FIXED-WING VTOL UAS - SPECIFICATIONS

	XV	XV-H	XV-L
<b>Wingspan</b>	2950mm		4500mm
<b>Length</b>	1400mm		3400mm
<b>MTOW (Maximum Take-Off Weight)</b>	55lbs (25kg)		187lbs (85kg)
<b>Payload Capacity</b>	Up to 5.5lbs (2.5kg)	Up to 7.7lbs (3.5kg)	Up to 55lbs (25kg)
<b>Cruise Speed</b>	50 mph (80 kph)		70 mph (112 kph)
<b>Maximum Speed</b>	70 mph (112 kph)		105 mph (169 kph)
<b>Maximum Flight Time</b>	Up to 3 Hours	Up to 4 Hours	Up to 7 Hours
<b>Endurance*</b>	Up to 150 miles (241 km)	Up to 200 miles (322 km)	Up to 490 miles (788 km)
<b>Maximum Operational Altitude - Height Above Mean Sea Level (AMSL)</b>	15,000ft		
<b>Operational Range**</b>	Up to 31 miles (50 km)	Up to 62 miles (100 km)	
<b>Propulsion System</b>	LiPo Battery	Hybrid (LiPo /ICE***)	
<b>Fuel Capacity</b>	N/A	1.05 gal (4L)	7.13 gal (27L)
<b>Temperature Range</b>	-13°F to 113°F (-25°C to 45°C)		
<b>IP Rating</b>	IP64	IP54	
<b>Wind Resistance</b>	Up to 30 mph (48 kph)		
<b>Avionics</b>	Triple Redundant IMUs (Dual Heated)		
<b>GPS</b>	Dual GPS		
<b>Aircraft Avoidance</b>	ADS-B Tx & Rx		
<b>Collision Avoidance</b>	Terrain Monitoring		
<b>Rear Propeller Size</b>	22"		32"
<b>Vertical Lift Propeller Size</b>	22"		40"

***Various sensor and controller options available - please enquire for more information***

\*Endurance is dependent on speed, payload and environmental factors / conditions

\*\*Extended Operational Range available with Satcom / Cellular Communication modules

\*\*\*ICE - Internal Combustion Engine

**ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION, DESIGN, OR OTHERWISE**

