



XV FIXED-WING VTOL UAS - SPECIFICATIONS

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

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