

System Specifications

Aircraft Dimensions	162cm x 160cm x 30cm (with propellers) 64" x 63" x 12" (with propellers)
Maximum Payload Weight	10kg (22lbs)
Maximum Takeoff Weight	25kg (55lbs)
Empty Weight	15kg (33lbs)

Limitations

Maximum Operating Temperature	+38° C (100.4° F)
Minimum Operating Temperature	-25° C (-13° F)
Maximum Wind Resistance	35 km/h (21 mph)
Relative Humidity	0% to 90% non-condensing
Operating Ceiling	2438m (8000ft) ASL
Density Altitude Limit	2438m (8000ft) ASL

Flight Characteristics

Climb Rate	590.6 ft/min (3m/s)
Descent Rate	590.6 ft/min (3m/s)
Maximum Turn Rate	90 deg/s
Maximum Operating Airspeed (Manual) ...	38 knots (72 km/h)
Maximum Automated Mission Airspeed ...	38 knots (72 km/h)
Maneuvering Airspeed	29 knots (54 km/h)
Maximum Hover Endurance	55 minutes
Maximum Flight Endurance	50 minutes
Maximum Operating Range	Direct visual line of sight
Maximum Controller Signal Range	2 km (1.2 miles)
Maximum Altitude Angle	34 degrees
Maximum Turn Rate (Yaw)	90 degrees/sec

Approximate Flight Time vs Payload for 2 x 16Ah Batteries

