



# Alpha 800 UAV Helicopter. Technical specifications

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## Power Plant

|                            |         |
|----------------------------|---------|
| Two stroke gasoline engine |         |
| Displacement               | 32 cc   |
| Maximum output             | 2.4 kW  |
| Maximum torque             | 2.0 N-m |

## Dimensions

|                |       |
|----------------|-------|
| Length         | 1.7 m |
| Height         | 0.6 m |
| Rotor diameter | 1.8 m |

## Performance

|              |          |
|--------------|----------|
| Cruise speed | 55 km/h  |
| Endurance    | 2.5 hrs* |
| Ceiling      | 3.000 m  |

# Weight

|                      |       |
|----------------------|-------|
| Max. take-off weight | 14 Kg |
| Max. payload         | 3 Kg  |

# Launch & Recovery

|                                    |
|------------------------------------|
| Vertical take-off & landing (VTOL) |
|------------------------------------|

# Payloads

|   |
|---|
| EO/IR, gyrostabilized, geo-referenced     |
| LIDAR, infrared or multispectral          |
| Radio relay, Laser Altimeter, Transponder |

# Structure Material

|              |
|--------------|
| Carbon fiber |
|--------------|

# Complete System Transport Case

|                                 |                        |
|---------------------------------|------------------------|
| Dimensions                      | 1.80 m x 0.7 m x 0.9 m |
| Optional weatherized/ruggedized |                        |

\*Typical endurance with 12.5 Kg of TOW (1.5 KG payload), ISA and sea-level

Maximum endurance at cruise speed 2 hours 50 minutes.

Maximum endurance 100% hover: 2 hours.

Typical endurance (50% cruise speed, 50% hover): 2 hours 30 minutes.