The Draganfly Heavy Lift Drone is a versatile, multirotor unmanned aerial vehicle (UAV) designed to enhance deliveries and flight times. Compatible with a variety of interchangeable payloads, our heavy-duty drone can carry more and fly longer. The Draganfly Heavy Lift Drone supports automated missions as well as manual flight operations.
# Draganfly Heavy Lift Drone Specifications

## Aircraft Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Folded Diameter</td>
<td>843mm</td>
</tr>
<tr>
<td>Folded Height</td>
<td>364mm</td>
</tr>
<tr>
<td>Unfolded Diameter with Propellers</td>
<td>3168mm</td>
</tr>
<tr>
<td>Unfolded Diameter without Propellers</td>
<td>2448mm</td>
</tr>
<tr>
<td>Unfolded Height without landing gear</td>
<td>177mm</td>
</tr>
<tr>
<td>Unfolded Height with landing gear</td>
<td>770mm</td>
</tr>
</tbody>
</table>

## Weight

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aircraft weight</td>
<td>44kg (97lbs)</td>
</tr>
<tr>
<td>Max Payload</td>
<td>30kg (67lbs)</td>
</tr>
</tbody>
</table>

## Motors

**Octocopter** (8 motors)

- Maximum Motor Output: 9000w
- Motor KV: 100kV

## Propellers

- Size & Pitch: 32.2 x 10.5
- Type: Folding
- Material: Carbon Fiber
- Winglet for improved efficiency

## Batteries

- Type: Lithium Polymer
- Size: 6s - 25ah
- Configuration: 2S4P, 2S3P, 2S2P
- Number of batteries: 8, 6, 4
- Nominal Voltage: 45.6V
- Total Energy: 4560wh, 3420wh, 2280wh

## Flight Times

<table>
<thead>
<tr>
<th>Payload</th>
<th>Flight Time (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2kg (4.4lbs)</td>
<td>54.5min</td>
</tr>
<tr>
<td>10kg (22.04lbs)</td>
<td>43.48min</td>
</tr>
<tr>
<td>20kg (44.09lbs)</td>
<td>34min</td>
</tr>
<tr>
<td>30kg (67lbs)</td>
<td>18min</td>
</tr>
</tbody>
</table>

## Flight Speeds

<table>
<thead>
<tr>
<th>Speed Type</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Ascent Rate</td>
<td>5 m/s</td>
</tr>
<tr>
<td>Max Descent Rate</td>
<td>4 m/s</td>
</tr>
<tr>
<td>Max Speed</td>
<td>22 m/s</td>
</tr>
</tbody>
</table>

## Flight Speeds

- Max Ascent Rate: 5 m/s
- Max Descent Rate: 4 m/s
- Max Speed: 22 m/s

## Automated Mission Types

- Grid - Double Grid - Polygon

## Payload Options

- Delivery container
- Lidar
- Zoom Camera
- Thermal Camera
- Cinema Camera
- Magnetometer
- Spot light
- Gas detector
- Loud speaker
- Rescue hook
- Release hook
- Custom payloads available

## Use Cases

- Delivery
- Surveillance
- Geographical mapping
- Gas detection
- Search and rescue
- Spray ing, or fire suppression
- Military deployment
- Disaster management
- Building inspections
- Safety inspections
- Stringing power lines

## Thrust to Weight Ratio

@ 30kg 2:1

- NDAA Compliant
- RTK Capable
- HD FPV
- 20km Range
- LTE Control Link

*Specifications are approximate and may vary*