



# Draganfly Heavy Lift Drone Specifications

## Aircraft Dimensions

Folded Diameter .....	<b>84.3cm (33in)</b>
Folded Height .....	<b>36.4cm (14.3in)</b>
Unfolded Diameter with Propellers .....	<b>316.8cm (124.7in)</b>
Unfolded Diameter without Propellers .....	<b>244.8cm (96.3in)</b>
Unfolded Height without landing gear .....	<b>17.7cm (6.9in)</b>
Unfolded Height with landing gear .....	<b>77.0cm (30.3in)</b>

## Weight

Aircraft Weight .....	<b>44kg (97lbs)</b>
Max Payload .....	<b>30kg (67lbs)</b>

## Motors

**Octocopter (8 motors)**

Maximum Motor Output .....	<b>9000w</b>
Motor KV .....	<b>100kv</b>

## Propellers

Size & Pitch .....	<b>32.2 x 10.5</b>
Type .....	<b>Folding</b>
Material .....	<b>Carbon Fiber</b>

**Winglet for improved efficiency**

## Batteries

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

## Flight Times

2kg (4.4lbs) .....	<b>54.5 min</b>
10kg (22.04lbs) .....	<b>43.48 min</b>
20kg (44.09lbs) .....	<b>34 min</b>
30kg (67lbs) .....	<b>18 min</b>

## Flight Speeds

Max Ascent Rate .....	<b>5 m/s</b>
Max Descent Rate .....	<b>4 m/s</b>
Max speed .....	<b>22 m/s</b>

## 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
- Spraying, 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

Approximate Flight Time vs Payload Weight (up to 30kg)

