



# Draganfly Heavy Lift Drone Specifications

## Aircraft Specifications

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>
Aircraft Weight (with batteries) .....	<b>49kg (108lbs)</b>
Max Payload .....	<b>30kg (67lbs)</b>
MTOW .....	<b>79kg (174lbs)</b>

## Motors

**Octocopter** (8 motors)

Total Maximum Motor Output .....	<b>50,000w</b>
Motor KV .....	<b>65kv</b>

## Propellers

Size & Pitch .....	<b>32 x 11</b>
Type .....	<b>Rigid</b>
Material .....	<b>Carbon Fiber</b>

**Winglet for improved efficiency**

## Batteries

Type .....	<b>Lithium Polymer</b>
Size .....	<b>6s - 25ah</b>
Configuration .....	<b>2S4P</b>
Number of batteries .....	<b>8</b>
Nominal Voltage .....	<b>44.4V</b>
Total Energy .....	<b>4560wh</b>

## Flight Times

2kg (4.4lbs) .....	<b>46 min</b>
10kg (22.04lbs) .....	<b>37 min</b>
20kg (44.09lbs) .....	<b>29 min</b>
30kg (67lbs) .....	<b>23 min</b>
Charging Time .....	<b>5 hrs</b>

## Automated Mission Types

Grid - Double Grid - Polygon

## Flight Speeds

Max Ascent Rate .....	<b>3 m/s</b>
Max Descent Rate .....	<b>3 m/s</b>
Max Speed .....	<b>22 m/s</b>

## Payload Box Dimensions

Width .....	<b>38.1 cm (15in)</b>
Height .....	<b>43.18 cm (17in)</b>
Length .....	<b>86.36 cm (34in)</b>

## Payload Options

- Drone Delivery Box
- LiDAR
- Zoom Camera
- Thermal IR Camera
- Cinema Camera
- Magnetometer
- Spot Light
- Gas Detector
- Loud Speaker
- Rescue Hook
- Release Hook
- Custom Payloads

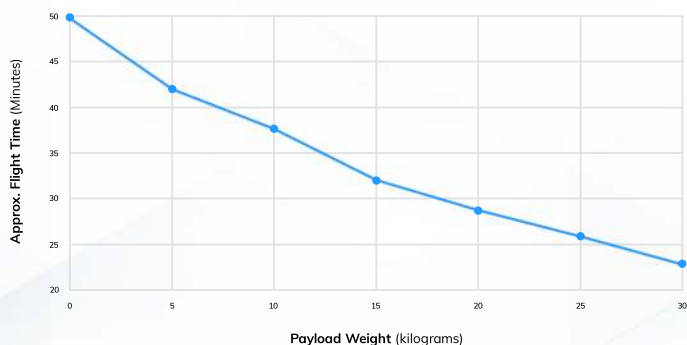
## Use Cases

- 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)



\* SPECIFICATIONS MAY CHANGE IN THE COURSE OF CONTINUOUS IMPROVEMENT