### Draganfly Heavy Lift Drone Specifications

#### Aircraft Dimensions
- Folded Diameter: 84.3cm (33in)
- Folded Height: 36.4cm (14.3in)
- Unfolded Diameter with Propellers: 316.8cm (124.7in)
- Unfolded Diameter without Propellers: 244.8cm (96.3in)
- Unfolded Height without landing gear: 17.7cm (6.9in)
- Unfolded Height with landing gear: 77.0cm (30.3in)

#### Weight
- Aircraft Weight: 44kg (97lbs)
- Max Payload: 30kg (67lbs)

#### 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, 2SP
- Number of batteries: 8, 6, 4
- Nominal Voltage: 45.6V
- Total Energy: 4560wh, 3420wh, 2280wh

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

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

#### Thrust to Weight Ratio @ 30kg 2:1
- - NDAA Compliant
- - HD FPV
- - RTK Capable
- - 20km Range / LTE Control Link

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

*Specifications may change in the course of continuous improvement.*