



Draganfly Heavy Lift Drone Specifications

Aircraft Dimensions

| | |
|--|---------------|
| Folded Diameter | 843mm |
| Folded Height | 364mm |
| Unfolded Diameter with Propellers | 3168mm |
| Unfolded Diameter without Propellers | 2448mm |
| Unfolded Height without landing gear | 177mm |
| Unfolded Height with landing gear | 770mm |

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, 2S2P |
| Number of batteries | 8, 6, 4 |
| Nominal Voltage | 45.6V |
| Total Energy | 4560wh, 3420wh, 2280wh |

Flight Times

| | |
|-----------------------|------------------|
| 2kg (4.4lbs) | 54.5 min |
| 10kg (22.04lbs) | 43.48 min |
| 20kg (44.09lbs) | 34 min |
| 30kg (67lbs) | 18 min |

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
- 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



*Specifications are approximate and may vary