

CARRIER · HEAVY-LIFT

H6HL

Unmatched heavy-lift capability — over 300 lbs of available thrust to tackle the most demanding professional payloads.

40 KG

MAX PAYLOAD

48 MIN

MAX FLIGHT TIME

300+ LBS

AVAILABLE THRUST

12,000 FT

SERVICE CEILING

UNIVERSAL

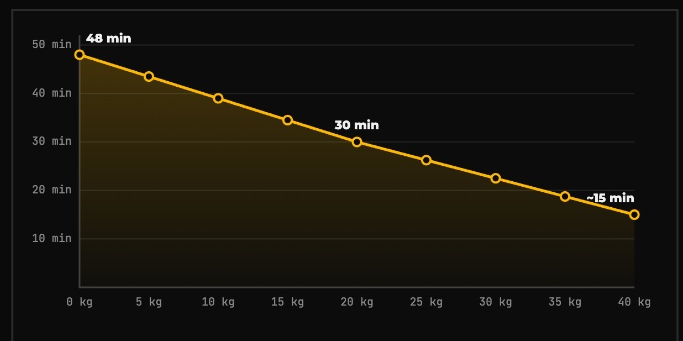
PAYLOAD CONNECTOR

CARRIER H6HL.

The Carrier H6HL is in a heavy-lifting weight class of its own. Developed over four years to redefine precision and performance, it features a robust framework capable of seamlessly carrying heavy equipment and scientific instruments.

Despite its monumental 10.4-foot wingspan, a patented design folds it down into a 46 × 46-inch transport case — from shipping container to mission-ready in minutes.

PERFORMANCE FLIGHT TIME VS. PAYLOAD



TESTED AT 120 M AGL · 2-MIN LANDING RESERVE · VARIES WITH ALTITUDE, TEMP & WIND

02 - CONFIGURATION HIGHLIGHTS

<p>01</p> <p>40 kg MAX PAYLOAD</p>	<p>02</p> <p>48 min MAX FLIGHT TIME</p>	<p>03</p> <p>300+ lbs AVAILABLE THRUST</p>	<p>04</p> <p>12,000 ft SERVICE CEILING</p>	<p>05</p> <p>Universal PAYLOAD CONNECTOR</p>
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03 - GROUND CONTROL

GROUND CONTROL OPTIONS.

OPTION A · HANDHELD - COMMERCIAL & MILITARY

OPTION B · CONSOLE



C-NAVIGATOR

COMMERCIAL

RUGGED HANDHELD GCS

- 8" HD Touchscreen
- Real-Time Video · Low Latency
- MAVLink Native
- NDAA Compliant

C-SROC

MILITARY / DEFENSE

SOLDIER ROBOTIC CONTROLLER

- 7" WXGA Glove-Touch
- MIL-STD-810-H · IP65
- Nett Warrior · AES-256 / STIG
- NDAA Section 848

C-GCS

CONSOLE

PROFESSIONAL MISSION COMMAND

- Dual 19" HD Displays
- Real-Time Telemetry
- 2-Axis Payload & Gimbal
- NDAA Compliant

■ ALL STATIONS · MAVLINK NATIVE · NDAA SECTION 848

04 — SPECIFICATIONS

TECHNICAL SPECIFICATIONS.

A POWERPLANT & BATTERIES

BATTERY TYPE	8× 6S LiPo (30,000 mAh each)	BATTERY CONNECTOR	AS150U-F Anti-Spark
SYSTEM CAPACITY	120,000 mAh @ 12S	BATTERY TRAY	Slide-Rail & Cam System
CONFIGURATION	Series-Paired 12S · Parallel Banks	BATTERY LIFE CYCLE	250 Flights
PEAK / NOMINAL VOLTAGE	50.4 V / 44.4 V	ORIGIN	Made in USA

B AIRFRAME & PERFORMANCE

FRAME TYPE	Hexacopter (Foldable, Patented)	PROPELLERS	Carbon Fiber w/ Aluminum Hub (40" × 13.1")
WINGSPAN (MOTOR-TO-MOTOR)	2,197 mm · 86.5 in	DEPLOYED (PROP TIP-TO-TIP)	3,213 mm · 126.5 in
MAX HORIZONTAL SPEED	15 m/s · 33.6 mph	STOWED (L×W×H)	3,024 × 2,993 × 398 mm
MAX VERTICAL SPEED	2.5 m/s · 5.6 mph	EMPTY WEIGHT	55 kg · 121.3 lbs
SERVICE CEILING	12,000 ft · 3,658 m AMSL	MAX TAKEOFF WEIGHT	95 kg · 209.4 lbs
MAX FLIGHT TIME	48 min (no payload)	OPERATING TEMP	-20 °C to 49 °C
MOTORS	6× KV100 equivalent	IP RATING	IP43

C COMMAND, CONTROL & SAFETY

FLIGHT CONTROLLER	Cube Orange (Custom ArduPilot)	POWER REDUNDANCY	Redundant Power Supply
RADIO FREQUENCIES	2.4 GHz ISM · 902-928 MHz	FAILSAFES	Radio & Battery Failsafes
DATA RANGE	12.5 mi · 20 km (Extended-Range Optional)	FLIGHT TRACKING	ADS-B Receiver
GNSS	Dual RTK GNSS	COMPLIANCE	NDA compliant
IMU REDUNDANCY	Triple Redundant IMU		

D PAYLOAD INTERFACE

MOUNT TYPE	Universal Quick-Release	AUX POWER OUT	5.3 V · 12 V · 24 V · 48 V
MOUNT COMPATIBILITY	Universal Payload Connector	DATA INTERFACE	UART / Ethernet / CAN / GPIO / USB
MAX PAYLOAD	40 kg · 88.2 lbs	COMPATIBILITY	Heavy professional equipment



HARRIS AERIAL

CARRIER H6HL

H6HL · PRODUCT BROCHURE

H6HL.

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