



SUBARU

# UH-2

## Utility Helicopter





# Proven Multi-mission Helicopter

With improved performance and safety features, the UH-2 provides more capability while maintaining its long-established reputation for utility and reliability. The aircraft is a combination of the basic fuselage proven over numerous years of military operations and the newest dynamic components and avionics available today.

- Improving safety and reliability, which have priority over all other things
- Well engineered aircraft design concepts to ease maintenance
- Excellent operability and availability rates
- Lowering life cycle cost
- Numerous customizing options
- High compatibility with UH-1 and 412 series



QR code will direct you to  
ATLA Official YouTube Channel.

# Safety & Reliability

Over all other considerations, we give our highest priority to the safety and reliability of the passengers and aircrews. The UH-2 incorporates ballistic tolerant features such as twin engines, 30 minutes dry run capability, dual cockpit controls, a damage tolerant airframe structure, crash resistant fuel system and duplicated or isolated/separated critical flight systems.



- ① PT6T-9 Twin-Pac Engine
- ② Transmission with 30 min. dry run capability
- ③ Conventional Semi-monocoque Airframe
- ④ Bell BasiX-Pro Integrated Avionics System
- ⑤ Helicopter Terrain Awareness and Warning System (HTAWS)

- ⑥ Wire Strike Protection System (WSPS)
- ⑦ Bell Helicopter Vibration Monitor System (BHVMS)
- ⑧ NVG-Ready Interior Lighting and Controls
- ⑨ Cargo Hook Equipment (4,500 lb. capacity)

## Wire Strike Protection System (WSPS)

The WSPS is designed to offer a proven measure of protection against horizontally-strung mechanical, electrical and communication wires and cables.

## BHVMS

The BHVMS provides drive train health and engine monitoring to improve aircraft serviceability and maintainability between regularly scheduled inspections and overhaul periods.



# Maintainability × Operability

The UH-2 is engineered for reliability and ease of maintenance. Built-in steps and work platforms, along with plentiful access panels, doors and inspection windows provide for quick and thorough preflight check and servicing.



**450 & 50** SUBARU has delivered more than 450 utility helicopters (UH-1B, UH-1H, and UH-1J) to Japan Ground Self Defense Force and has been contributing to their outstanding operational availability for over 50 years. From production to after sales services such as scheduled maintenances, spare parts supplies, and components overhaul, SUBARU is committed to reduce the life cycle cost of the aircrafts.

**18** 9 external hard points on the each sides of the fuselage (total of 18) enable easy on and off of multiple mission equipment to support the versatile operation of the UH-2.

**3 min** The UH-2 is ready for take-off within 3 minutes in extreme hot and cold temperatures. In these conditions, the engine, transmission, hydraulics, and electrical systems have historically demonstrated reliable start-up characteristics.

**80%** The UH-2 incorporates the same basic fuselage proven over numerous years of military operation. Not only its fuselage, but also pilots, maintainers, parts and ground equipment can be compatible with the historical UH-1 and 412 series. Approximately 80% of hand tools used for legacy aircrafts can be used for UH-2.

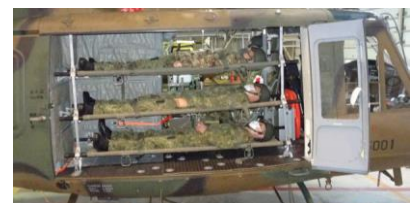
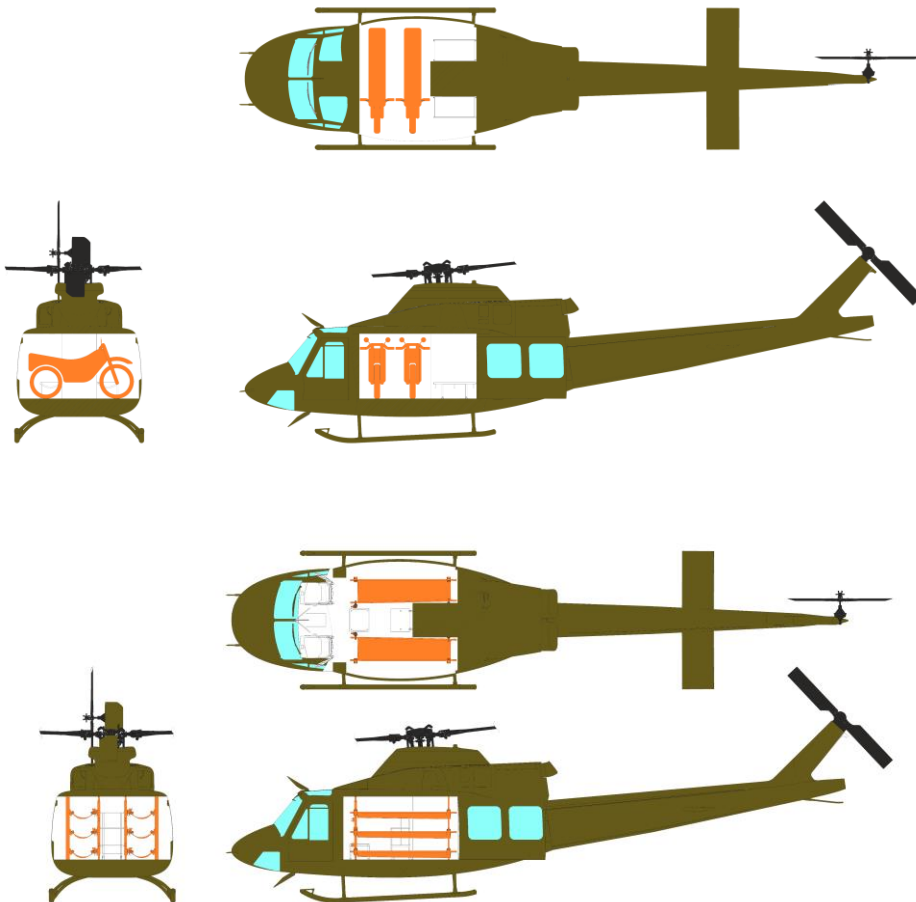
# Cabin Layout Options

## Standard Seating Layout



The largest-in-class 230 cm (7.7 ft) sliding doors on both sides of the UH-2 allow for fast and easy access. With 135 cm (53") ceiling height and 240 cm (8 ft) width, the cabin accommodates with your varying needs in a safe and reliable platform.

## Flexible Cabin Layout





# Numerous Customizing Options

The UH-2 is designed and built upon proven systems and performance that can operate in adverse environmental conditions. This aircraft has hardware provisions that enable easy installation for various mission equipment for

**Disaster Reliefs**  
**Emergency Medical Service**  
**Fire Fighting**  
**Law Enforcement**  
**Search and Rescue**  
**Transportation**



Cargo Hook with Firefighting Bucket and Sling



Video Transmission System



3-Place Litter Kit



External/Internal Rescue Hoist



Emergency Float (High Skid Configuration)

# UH-2 Configuration Options

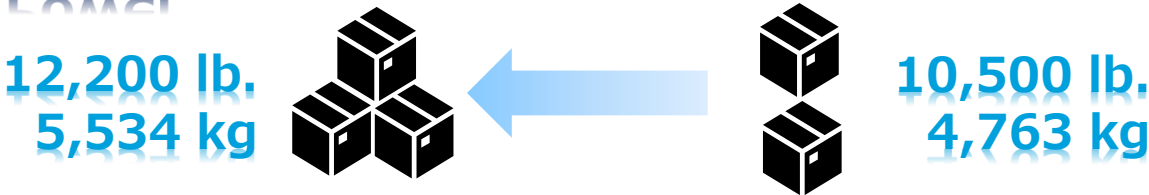
	EMS	FFDR	Multi Mission	Law Enforcement	SAR
Pratt & Whitney PT6T-9 Engine TwinPac -w- Electronic Engine Controls (EEC/FADEC) with OEI Training Mode	●	●	●	●	●
30-Minute Run Dry Transmission	●	●	●	●	●
Bell BasiX-Pro® Integrated Avionics System	●	●	●	●	●
AFCS/Dual Digital Flight Director Nav Coupler (3-axis) with Stability Augmentation System, Attitude Retention	●	●	●	●	●
Distance Measuring Equipment (KDM-706A)	●	●	●	●	●
Automatic Direction Finder (KDF-806)	●	●	●	●	●
Rotor Brake (Hydraulic) w/Cockpit Indication	●	●	●	●	●
Cargo Hook Provisions	●	●	●	●	●
Engine and Gear Boxes Chip Detections	●	●	●	●	●
Power Plant Fire Detection and Extinguishing - (2 per ship)	●	●	●	●	●
Engine Inlet / Exhaust Bypass Particle Separator System (one each engine)	●	●	●	●	●
External Hard Points	●	●	●	●	●
Wire Strike Protection System - Upper and Lower	●	●	●	●	●
Emergency Locator Transmitter - Artex C406-N HM 3 Freq w/GPS interface		●	●	●	●
AAI CV/FDR/ULB/QAR/RIPS for 412EPI (Penny & Giles/Dukane)	●	●		●	●
Frahm Damper - Instrument Panel	●			●	●
Garmin HTAWS activation for GTN750		●		●	●
Air Conditioner -w- Dual Forward Evaporators (Air Comm)		●		●	●
Helicopter Video Transmission System		●		●	●
External/Internal Rescue Hoist		●		●	●
Dart Heli-Rappel™ Rappelling Fixture, 500lbs (227kg) single / 600lbs (272kg) dual rating per side		●		●	●
53 Amp Hour NiCad Battery (replaces Std 40 AH)	●	●			
Heavy Duty High Skid Gear w/Std Wear Shoes (replaces standard Low Skid)		●	●		
4-Axis AFCS & Flight Director Upgrade Kit				●	●
Aero Dynamix NVG STC (does not include Covert IR Lighting System)				●	●
Emergency Floats					●
Internal Auxiliary Fuel - Provisions					●
3-Place Litter Kit (Non-FAA) - Loose Equipment					●
Enhanced Hover Hold Kit (Includes Radar Altimeter #2 (KRA-405B), Hover Sensor (CMA5024), Mode Select Panel, Annunciators)					●
Hoist Camera - External					●

- FADEC: Full Authority Digital Engine Control
- AAI: Aeronautical Accessories Inc.
- CV/FDR: Cockpit Voice and Flight Data Recorder
- ULB: Underwater Locator Beacon
- QAR: Quick Access Recorder

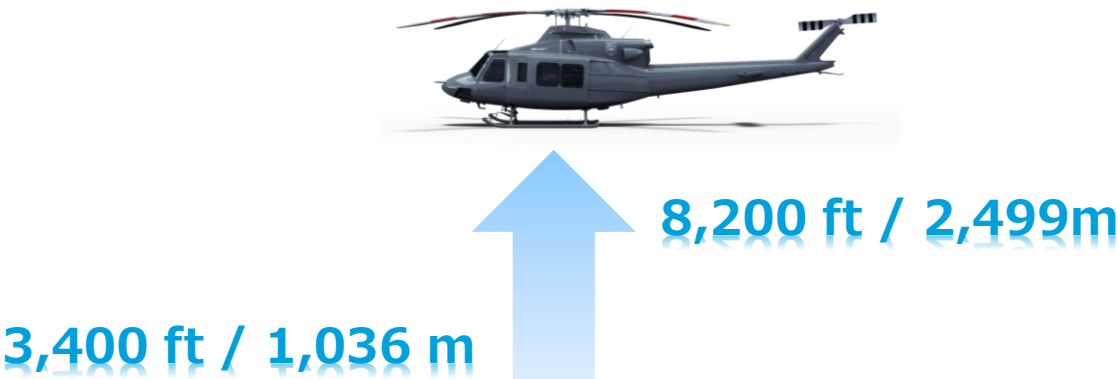
- RIPS: Recorder Independent Power Supply
- NVG: Night Vision Goggle
- STC: Supplemental Type Certification
- IR: Infrared
- FAA: Federal Aviation Administration

# Payload & Range (improvement from the predecessor)

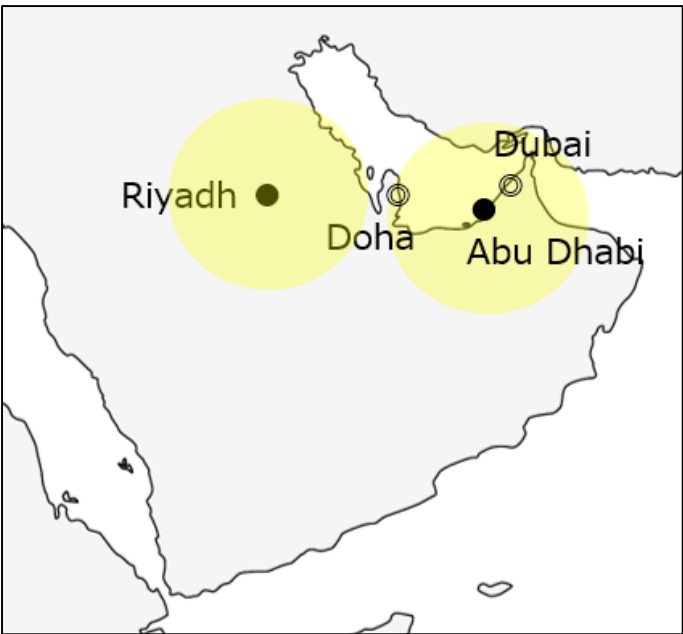
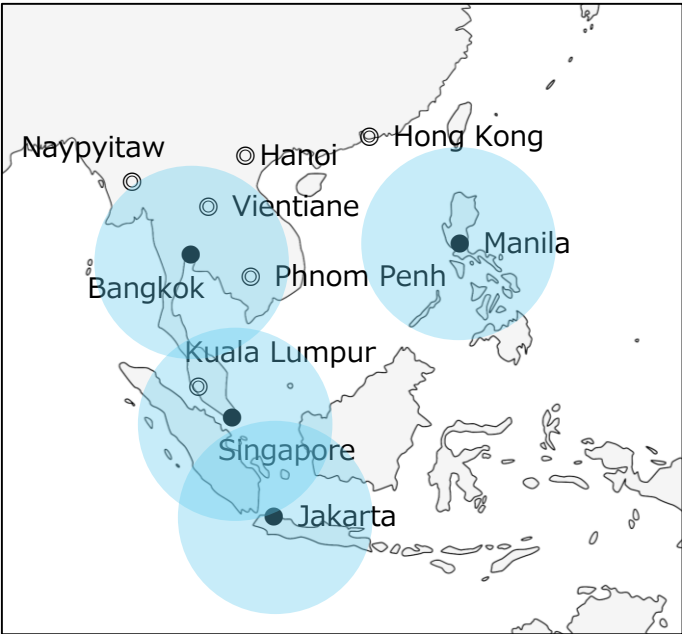
## More Power



## Higher (OGE Hover Limit)



## Faster & Further



Ferry Distance from Major Cities in South East Asia and Middle East



# Specifications & Three-view Drawings

## Capacities

Maximum Seating	1 + 14	
Standard Fuel	317 US gal	1,200 L
Aux Fuel (Optional)	33 or 163 US gal	123 or 617 L
Cabin Volume	220 ft <sup>3</sup>	6.3 m <sup>3</sup>

## Performance

Cargo Hook Capacity	4,500 lbs	2,041 kg
Service Ceiling	20,000 ft	4,791 m
Hover Capability (IGE) <sup>*1</sup>	11,100 ft	3,383 m
Hover Capability (OGE) <sup>*1</sup>	8,200 ft	2,499 m

## Weights

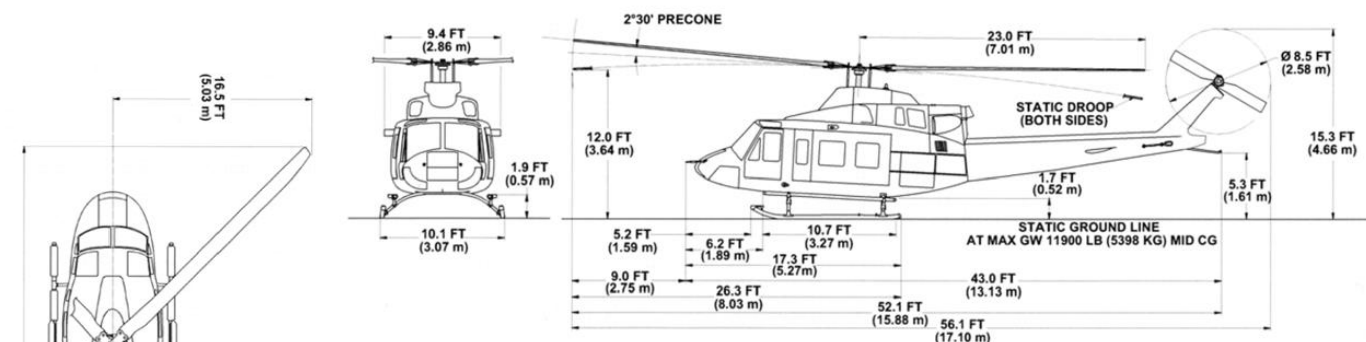
Empty Weight (IFR Std Config)	7,576 lbs	3,187 kg
Maximum Gross Weight	12,200 lbs	5,534 kg

## Speed at Max Gross Weight

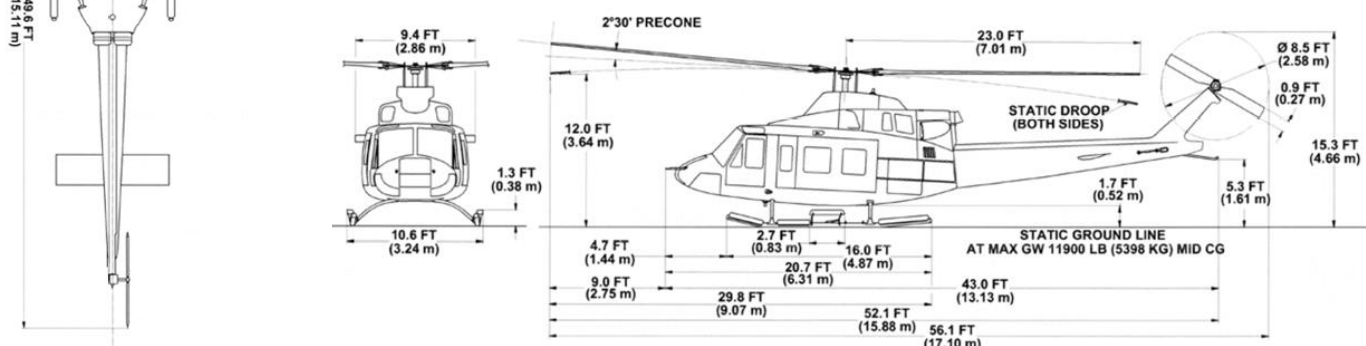
VNE	140 kts	259 km/h
Maximum Cruise <sup>*2</sup>	121 kts	224 km/h
Range at VLRC <sup>*2</sup>	361 nm	669 km
Maximum Endurance <sup>*2</sup>	3.8 hrs	

\*1: ISA & Take Off Weight at 12,200 lbs

\*2: Std Max GW, ISA, std fuel, no reserve at sea level



UH-2 with Low Skid Gear External Dimensions



UH-2 with High Skid Gear External Dimensions

# SUBARU CORPORATION

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