

Military Range

H135<sup>®</sup> M



# H135M

## PROVEN, RELIABLE AND TRULY MULTIPURPOSE

The H135M®, the military version of the H135, is Airbus Helicopter's 3-ton class, twin-engine helicopter.

With its highly sophisticated observation equipment, long endurance, wide array of communication systems and large variety of armament, the H135M is perfectly suited for the modern battlefield.

The stealth and no-hear distance of the H135M allow it to remain undetected throughout its mission – a crucial aspect for surveillance and reconnaissance operations. These sound-reducing qualities are also particularly important for missions including urban flyovers and training.

The H135M's simple design allows for quick and easy maintenance, providing high availability rates of the aircraft. It is the answer to an increasing demand for a cost effective, light, multi-role helicopter.

The H135M is a multi-role helicopter fit for the following missions:

- Armed Scout
- Training
- Utility

# Armed Scout

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The H135M is the military counterpart of the H135, a favorite worldwide. The H135M builds upon this strong reference in terms of surveillance. Its compact size and low sound level make the H135M a discreet ISTAR platform.

Relying on an exhaustive kit of weaponry, this armed scout helicopter can perform missions on any end of the operational spectrum – armed reconnaissance, fire support to troops in contact (TIC), escort and destruction.





The H135M is a rapidly reconfigurable platform with an unmatched selection of options adapted to today's battlefield requirements. The combination of TV, IR and NVG ensure that the H135M can efficiently perform combat missions in adverse weather conditions day or night.



#### The SAWS embeds:

- A multipurpose mission computer
- An EOS with IR/TV camera and laser range finder for observation and laser designator
- A ballistic targeting system based on a HMSD
- Two multi-purpose weapon carriers with slaving and release units
- A choice of mixed weapon configuration

Air-to-Ground missiles  
7 tube rocket launcher  
20 mm cannon pod  
12.7 mm machine gun pod

#### Growth potential for:

- laser-guided rockets



The Electro-Optical System (EOS), Helmet-Mounted Sight Display (HMSD), digital map and data link allow the H135M to perfectly integrate the new concept of the Digital Battlefield.

# Training

Equipped with a state-of-the-art cockpit and the most advanced technologies, the H135M provides optimal safety conditions for basic and advanced training. The benefits of the intuitive man-machine interface and the cutting-edge technologies allow pilots to efficiently evolve to more complex helicopters. The H135M is easy to fly, requires minimal maintenance and provides low fuel consumption, translating in low operating costs and thus affordable training.



# The Ideal Military Advanced Training Helicopter

Including Airbus helicopter innovations such as the Vehicle and Engine Multifunction Display (VEMD), which integrates a First Limit Indicator (FLI), the sophisticated avionics system of the H135M ensures that pilots focus only on their mission. These technologies dramatically simplify the pilot's workload and serve as a preparation for specialized and more complex helicopters.

Design characteristics, such as the unobstructed windshield with an excellent field of view and the versatility provided by the hundreds of certified options, make the H135M the best candidate for all training needs: from basic (conversion to type) to advanced (conversion to role).



Gunnery training



Sling operation



Recovery mission

# Utility

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With its roomy cabin, the H135M can accommodate long and bulky freight through the rear clamshell or side doors. In single pilot configuration, a 5.9 m<sup>3</sup>/208.38ft<sup>3</sup> internal volume is available. The H135M has the highest ratio of maximum take-off weight to useful load in its class.

Fitted with an external hook, the H135M is a real workhorse and can provide up to an additional 1,300kg/2,866lb sling load transport capacity with a take-off weight of 3,000kg/6,614lb. In addition, the large, unobstructed windshield allows for excellent visibility. Up to six passengers and two pilots can be installed in the H135M. This is one of the safest and most comfortable means of transportation for authorities and dignitaries.

The sophisticated array of communications equipment for which the H135M is certified also allows the onboard operator to interface with airborne and ground units as well as UAVs.



# MEDEVAC / CASEVAC

For MEDEVAC/CASEVAC missions, the H135M has a spacious and unobstructed cabin with a flat floor and rear access doors capable of loading and unloading stretchers and medical equipment.

Important features:

- Possible side and/or rear loading of patients;
- Transport of 2 lying patient possible with high end state of the art stretcher systems;
- Possibility to install one Nato stretcher;
- Foldable stretchers available for easy stowage;
- Integration of basic medical equipments and devices up for intensive care.



H135M in Medical Evacuation mission: easy loading of the patient by the rear clamshell doors



Cabin in Nato CASEVAC configuration

# Technology

A wide array of cutting-edge technology allows the H135M to have a digitalized view of the modern, fast-paced battlefield and to respond accurately and efficiently. From nose to tail, the H135M demonstrates optimal defensive capacity and crew safety.

Mechanically resilient, with redundant electrical, oil cooling and hydraulic systems as well as a large array of optional active and passive defensive equipment, the H135M is a reference in survivability.

The H135M is built with crew and passenger safety in mind and as such, a crashworthy and energy absorbing fuselage design is optimally applied.

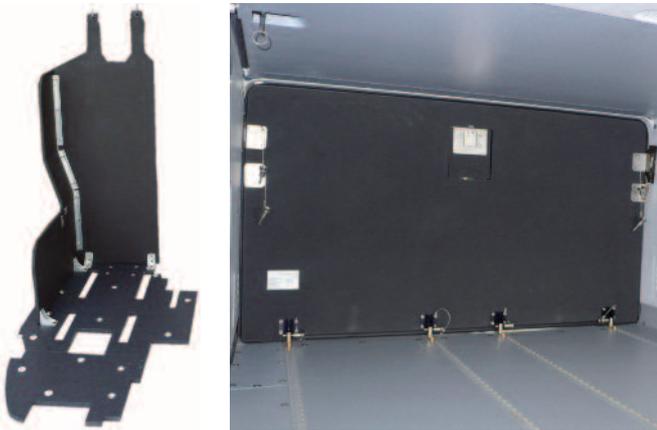
The H135M offers optimal performances, with a choice of two engine types: Pratt & Whitney Canada PW206B2 or Turbomeca ARRIUS 2B2. Both engine types feature Full Authority Digital Engine Control (FADEC) for optimized operation. FADEC greatly simplifies engine control and in addition ensures:

- Optimum performance in all conditions
- Engine protection
- Engine monitoring.



The light armour protection kit provides optimal ballistic protection for pilots and passengers:

- Pilot seats and cockpit floor
- Cabin floor
- Cabin-cargo hold separation wall



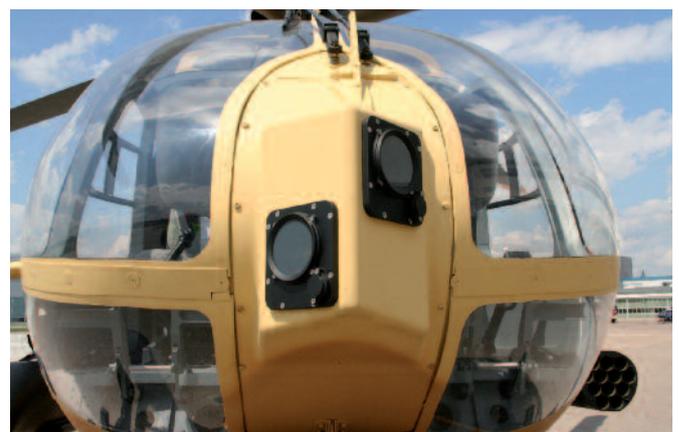
In surveillance and reconnaissance missions, the wide range of COM/NAV equipment available, including tactical V/UHF radios and the SatCom system (as part of the integrated military communication suite) offer data transfer capabilities for exchanging surveillance or target data with other forces or UAVs.



The Inlet Barrier Filter (IBF) protects the mechanical components of the H135M, extending their lifetime even in the roughest conditions.

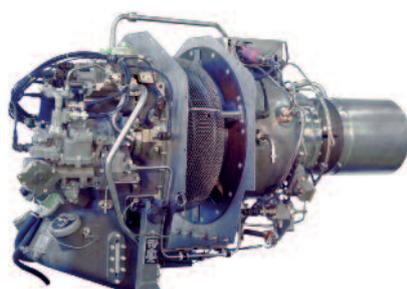


- Pratt & Whitney Canada PW206B2



**The H135M can be equipped with a full Electronic Warfare System (EWS) comprised of:**

- Missile approach warning system
- Laser and radar sensor suite
- Rechargeable, user-programmable, computer-controlled chaff and flare dispensers.

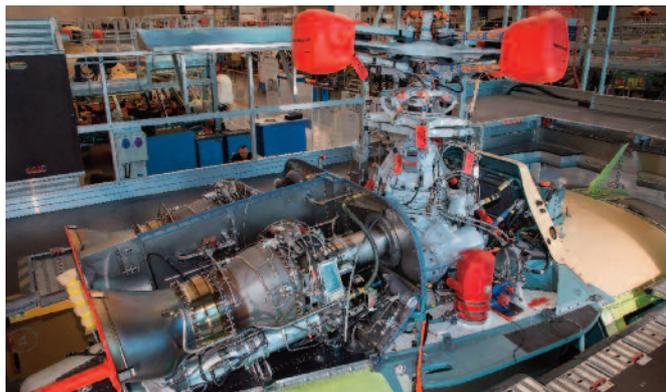


- Turbomeca ARRIUS 2B2

# HCare Service Offer

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To contribute to helicopters' availability optimization, Airbus Helicopters puts at operators' disposal a robust worldwide-spread support and a wide choice of services that have been elaborated according to Customers operational return of experience from the field.



Airbus Helicopters is always seeking for better efficiency, and has made the choice to be present in every areas of the globe, with regional organization and industrial means, at the closest from operations.

To better answer the various mission needs we first have set-up a comprehensive material management offer:

- **HCare Easy:** On-catalogue services
- **HCare Smart:** Contractual By-the-Hour programs
- **HCare Infinite:** Complete support solutions

Our global distribution network, composed of Logistics platforms, regional and local inventories, ensures efficient and cost-effective deliveries anywhere, anytime.

Our Customer Centers manage customer relation on a daily basis, and answer to any operators' request to make sure you will get full benefit from your helicopters.

They are equipped with latest generation installations, experienced and trained technician teams, capable to offer local helicopter maintenance solutions either in our workshops, or at your premises.

Our team of more than 150 qualified Tech-Reps provides on-site Technical Assistance, and perform On-the-Job Training to operators' technicians for first-class maintenance operations.

Airbus Helicopters Technical Expertise organization answers to all technical requests, and support you with a 24/7 service around the clock.





To optimize flight and maintenance operations, we offer local Training Centers with state-of-the-art means such as Full Flight Simulators (FFS) or Flight Navigation Procedure Trainers (FNPT), and full-scale mock-ups for technicians.

Pilots' proficiency can be enhanced within your flight environment thanks to pilots' accompaniment and mission operational courses performed on-site.



Airbus Helicopters through its Connected Services opens a new way of interacting with its customers. Such solutions pave the way to faster and easier data exchange between the helicopter manufacturer and operators. This exchange highly contributes to continuously improve the support and performance of your helicopters.



We propose two suites of services:

- **HCare Flight:** support of Flight Operations
- **HCare Fleet:** support of Maintenance Operations

Whatever the time and wherever you are, access all services online just a click away.

# Characteristics

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# Proven Performance

## PERFORMANCE

Maximum speed (Vne)	259 km/h	140 kts
Cruise speed (SL, ISA)	253 km/h	137 kts
Range at MTOW (SL, ISA) with standard fuel tanks	615 km	332 nm
Range at MTOW (SL, ISA) with long range fuel tanks	810 km	438 nm

## PAYLOAD

Empty weight	1,462 kg	3,223 lb
Useful load	1,488 kg	3,280 lb
Payload and / or fuel	1,408 kg	3,104 lb
Maximum take-off weight	2,950 kg	6,504 lb

## ENGINES TURBOMECA ARRIUS 2B2 OR PRATT & WHITNEY CANADA PW206B2

Maximum emergency power (O.E.I.)	606 kW	812 shp
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## INTERIOR DIMENSIONS

Cabin width	1.5 m	4.9 ft
Cabin and baggage compartment	4.35m <sup>2</sup> (floor) surface 4.90 m <sup>3</sup> (volume)	46.83 ft <sup>2</sup> / 173.04 ft <sup>3</sup>

## CAPABILITIES

Armed Mission	1 pilot + 1 weapon system officer
Cargo Transport	1 pilot + up to 4.9 m <sup>3</sup> space (173.04 ft <sup>3</sup> ) in cabin and cargo compartment
CASEVAC / MEDEVAC	1 or 2 pilots + up to 2 stretchers + up to 2 medics
Training Mission	1 or 2 pilots
Troop / Passenger Transport	1 or 2 pilots + up to 6 troops / passengers

# Glossary

The data set forth in this document is for informational purposes only, and may vary with conditions.

For performance data and operating limitations, see the latest approved flight manual and all related documents.

**ABM:** Airborne Battlefield Management  
**AFCS:** Automatic Flight Control Systems  
**AVT:** AVionics Trainer  
**C<sup>3</sup>:** Command, Control and Communications  
**CAI:** Computer-Assisted Instruction  
**CBT:** Computer-Based Training  
**Com/NAV:** COMunication/NAVigation  
**EMS:** Emergency Medical Services  
**EO/IR:** Electro-Optical/InfraRed  
**FADEC:** Full Authority Digital Engine Control  
**FLI:** First Limit Indicator  
**HMI:** Human Machine Interface  
**HMSD:** Helmet-Mounted Sight Display  
**IBF:** Inlet Barrier Filter

**IR:** Infra-Red  
**ISTAR:** Intelligence, Surveillance, Target-Acquisition and Reconnaissance  
**MEDEVAC:** MEDical EVAcuation  
**NVG:** Night Vision Goggles  
**OEI:** One Engine Inoperative  
**OEM:** Original Equipment Manufacturer  
**SatCom:** Satellite Communications  
**SAWS:** Stand-Alone Weapons System  
**TACCO:** TACTical COordinator  
**TV:** TeleVision  
**UAV:** Unmanned Aerial Vehicle  
**V/UHF:** Very/Ultra High Frequency  
**VEMD:** Vehicle and Engine Multifunction Display

## Contacts

For more information, please contact:  
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