



HELICOPTERS
Civil

H135



AIRBUS

A versatile platform, particularly tailored for demanding hot & high environments



Airbus Helicopters' lightweight, twin-engine H135[®] evolution remains top of its class with its distinct combination of versatility, lowest external sound, optimum performance and new, highly attractive HELIONIX[®] features incl. 4-axis AFCS and Health Usage monitoring System. Benefiting from an optimized new main rotor, engine software modifications and a new lateral air intake, the H135 provides additional payload and delivers best-in-class performance in all engines operative (AEO), one-engine inoperative (OEI), and Performance Class 1 (PC1) operations throughout the flight envelope. It offers extended mission capability even in the most demanding environments. No tradeoff has been made between safety and performance. The state-of-the-art new HELIONIX[®] cockpit increases pilot's situational awareness while continuously providing the highest possible safety. The H135 is an extremely flexible platform adaptable for a variety of missions. It remains a reference in emergency medical services (EMS) and law enforcement missions as well as Offshore Wind operations. Its variety of aircraft configurations allow unique adaptability in a range of dedicated missions such as human external cargo (HEC)/aerial work, oil & gas, commercial transport and training.





The innovative Helionix® avionics system

Airbus Helicopters Cockpit Family

- Fully-integrated glass cockpit using three (3) large displays with full interchangeability
- 4-axis Automatic Flight Control System (AFCS) with Unique flight envelope protection
- Auto-Hover and LPV functionality
- Part Time Display Concept
- Innovative crew alerting concept
- Single/dual or new single pilot IFR cockpit solutions

The Fenestron

This shrouded tail rotor :

- Provides high efficiency
- Ensures low vulnerability when maneuvering close to terrain
- Is safe for ground personnel
- Has the lowest external sound signature





Engines

Operators can choose between two engines options. Both feature a Full Authority Digital Engine Control (FADEC) system for optimized engine performance and safety :

- Safran Helicopter Engines ARRIUS 2B2^{plus}
- PRATT & WITNEY CANADA PW206B3

Bearingless Main Rotor (BMR)

The unique bearingless main rotor design has no main rotor head. This reduces weight and maintenance efforts significantly.

Its key characteristics are an exceptional agility, control response and safety on ground with rotors turning.

THE CABIN PROVIDES

- Unobstructed cabin and cargo compartments
- Volume of 5.9 m³ (208.35 cubic ft)
- Flat floor with integrated rails from the front to the rear
- Excellent accessibility from all sides via two hinged cockpit doors, two wide sliding doors and two rear-hinged clamshell doors.
- A new Multi-Functional Floor as well as an HEMS floor is designed by Airbus, thus removing the requirement to have a specific HEMS floor laid on top of the aircraft floor. The gain in payload can be up to an extra 40kg.
- The light-weight, ruggedized fully flat floor with hard anodized surface improves the corrosion and scratch resistance as well as the cleaning and disinfection.

EXTENSIVE MISSION

EQUIPMENT

More than 400 optional equipment have been certified over the years in order to reply to our customer needs. Therefore, the H135 is the most versatile and flexible aircraft to use for any mission.

NEW eSERVICES

- Fleet Keeper[®]
- Flight Planner[®] (portable Electronic Flight Bag (EFB) and mission).

NEW MISSION EQUIPMENT

- Common cargo hook system (single/dual), HEC certified
- External hoist, HEC certified
- External cameras (tail boom and/or landing gear)
- Electro Optical Sensor (EOS) StarSafire 380HDc
- CVFDR with PGS Vision System and Helicopter Flight Data Monitoring (HFDM)
- Wireless Intercom System Polycon New generation (PNG)
- Wireless Connectivity Garmin Connxt
- Airbus light weight HEMS and multi functional floor (MFF)
- Offshore Equipment such as
 - Emergency float system with auto-activation and floatation up to sea state 6
 - Emergency Life Raft System (ELRS) certified up to sea state 6
 - Helicopter Emergency Egress Lighting System (HEELS)
- Enhanced Reality System (ERS)



The reference helicopter for EMS, perfectly designed for disaster management and Rescue missions

The H135 is by far the most popular helicopter for challenging HEMS operations. Quick and easy patient loading is ensured via the large sliding doors on either side or the rear clamshell doors – even when rotors are running. During winch operations, patients can be easily transferred into the hovering helicopter due to long boarding steps. The H135's external sound signature – far below the strictest regulatory specifications - allows operations in close approach to hospitals, often situated in urban areas.



Law Enforcement

Whatever the Law Enforcement Mission requires, the H135 is up to the challenge. With its compact size and shrouded tail rotor, the H135 can operate in any confined scenario with little disturbance. It's wide, unobstructed cockpit and cabin offers increased visibility for effective day and night observation missions. The helicopter's quick role change capability, the low external sound signature, reduced maintenance time and low operational costs at a high availability rate make it a perfect platform for daily police operations. Furthermore Airbus offers most modern police mission equipment including latest electro optical systems (EOS), operator workstation, enhanced reality system (ERS) and connectivity (Wifi, GSM, G4, SAT-COM, Tetra, down-link systems, etc.)



Aerial Work & HEC missions

With its two powerful FADEC controlled engines, a flexible cabin with large sliding doors, small ground footprint and multiple quick-change mission equipment, operators can employ the H135 for numerous utility/aerial work applications. Thanks to its Human External Cargo (HEC) certified performance and procedures the H135 becomes the reference in the Offshore Wind, Harbor Piloting as well as Power Line work mission.



Oil & Gas

The H135's excellent outside visibility, exceptional maneuverability, long-range capability, outstanding OEI (PC I) performance, high safety level and easy cabin access and small footprint suit this helicopter for demanding oil & gas operations. The rotorcraft's simple design enables fast and easy maintenance to ensure optimal dispatch availability and reduced operating costs. The H135 is available with latest safety and offshore equipment. The emergency floatation and emergency life raft systems are certified up to sea state 6.



Training

The H135 is the reference for light-twin training helicopter around the world. It is the perfect helicopter for pilot and mission training due to its maneuverability, flexibility, high visibility and low vibration levels. In addition, it is equipped with the most advanced technologies available to help instructors perform training missions in optimal safety conditions (i.e. single engine training mode, automatic failure management).

Its reliability and high availability, low operating cost and multirole capability plus the choice of different mission equipment make it the best-suited platform for:

- Basic training
- Advanced training
- Mission training
- Recurrent training

Private & Business Aviation

To differentiate its approach to Private & Business Aviation, Airbus Helicopters introduces ACH – Airbus Corporate Helicopters – its exclusive brand offering end to end service-based ownership experience.

ACH provides an exclusive platform from which customers can benefit from best in class Corporate and VIP transport solutions, tailored completion and service. ACH ensures that only the highest quality materials and the best craftsmanship are on offer to customers.

ACH range now features the ACH prefix: ACH125, ACH130, ACH135, ACH145, ACH160, and ACH175.

Please visit our dedicated website
Airbuscorporatelandicopters.com



Contacts

For more informations,
please contact :
marketing.helicopters@airbus.com

AIRBUS

© AIRBUS HELICOPTERS,

Aéroport International Marseille Provence -
13725 Marignane Cedex - France - 2018 -

All rights reserved, Airbus Helicopters' logo and the names
of its products and services are registered trademarks.

Airbus Helicopters reserves the right to make configuration
and data changes at any time without notice. The facts
and figures contained in this document and expressed
in good faith do not constitute any offer or contract with
Airbus Helicopters.

Concept design by MicroMega

Photos by ©Charles Abarr, ©Olivier Balmain ,

©Laurie Gilbert , ©Franceschini Philipp , ©Ned Dawson,

©Airbus Helicopters / Patrick Penna,

©Airbus Helicopters / Jérôme Deulin.

Printed in France by SPI

Printed on PEFC certified paper originating from
sustainable forests.

H135-BR-0218E