

A high-angle, low-altitude shot of an Airbus H175 helicopter in flight. The helicopter is white with blue accents on the tail boom and rotor hub. The main rotor blades are blurred due to motion, creating a sense of speed. The background is a dark, textured surface, possibly water or a forest at night. A large, semi-transparent blue rectangle is overlaid on the upper right portion of the image, containing the text 'Civil' and 'H175'.

Civil

H175



The H175: AIRBUS HELICOPTERS' NEW MEDIUM-SIZED TWIN-ENGINE HELICOPTER FOR DEMANDING MISSIONS AND COST- EFFECTIVE OPERATIONS



Designed and optimized with feedback from operators

Extensive inputs from users, along with the latest generation in computer-aided design and virtual simulation, were essential to Airbus Helicopters' optimization of the H175 rotorcraft.

Benefits

- More volume available per seat, offering more comfort for passengers
- Simplified maintenance, resulting in higher availability
- Simpler to fly
- Designed to meet the latest safety standards.

A quantum leap in mission capability

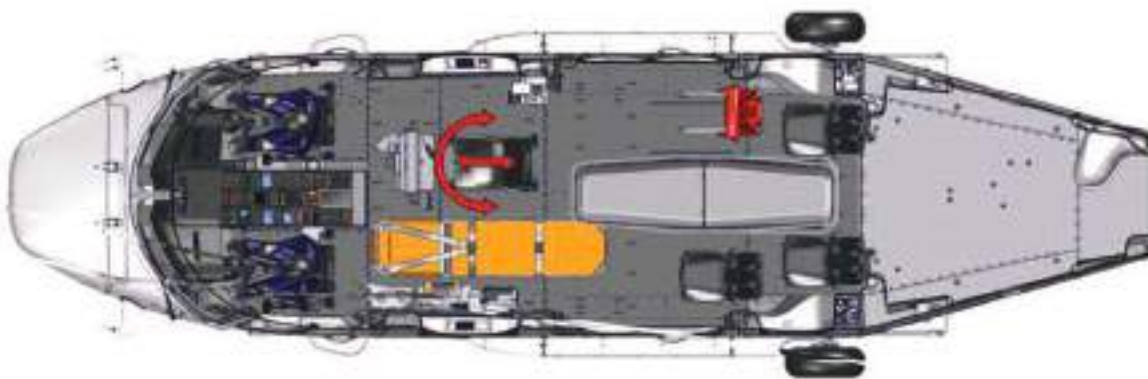


Missions

Oil & gas

- Wide cabin for 16 to 18 passengers
- Large doors for easy access
- Staggered seat arrangement for maximum comfort
- Large luggage compartment accessible from both sides
- Low vibration levels
- Easy emergency egress
- Two 18-place external life rafts





PUBLIC SERVICES

SAR/EMS

- Largest cabin in its class for flexible layouts and arrangements
- Stowage area accessible from the cabin
- Low vibration levels throughout the flight envelope
- Class 1 high-speed double hoist
- Chin-mounted electro-optical system
- Drip tray for additional protection from water during rescue operations
- Sensors operator-console in cabin
- Full cabin flat-floor
- Night-Vision Goggle compatible (NVG)
- Emergency flotation system certified up to Sea State 6



LAW ENFORCEMENT

- Large cabin for multipurpose missions
- Chin-mounted electrical-optical system
- Sensors operator-console in cabin
- Large doors for facilitated egress
- Fast roping or rapeling on both sides



Executive & VIP

- Highest comfort level
- Executive seating for 9-12 passengers
- VIP configurations for 6-8 passengers. Three different harmonies: Rhapsody, Symphony, Allegory

Key Assets





The benchmark for comfort

Airbus Helicopters' H175® offers the highest cabin volume per seat in its rotorcraft class:

- Comfortable energy-absorbing seats
- Staggered seat position for optimized club seating
- Per-row seating of 3-4 seats, even in the 18-passenger configuration
- Adjustable seat for pilots: height, backrest and tilt with armrest
- Low vibration levels by design, no matter the cruise speed
- Powerful, high-quality environmental control system
 - Regulated temperature
 - Individual outlets
 - Auxiliary power unit (APU) mode for cabin or cockpit preconditioning
- Large windows for panoramic views from all seats
- New upholstery design and material for low internal sound level
- Easy access through large sliding doors.



- New AFCS modes
 - Automatic recovery mode in the event of pilot disorientation
 - Angle of approach/vertical speed and ground track/heading modes for easier final approach
- Unique flight envelope protection – All engines operating (AEO) / One engine inoperative (OEI)
 - Hands-off one-engine failure management
 - Altitude is always used by the AFCS as the primary parameter
 - Controlled Flight Into Terrain (CFIT) prevention through automatic “alt mode” engagement and leveling at 150 ft.
- Automatic takeoff and go-around procedure at max power - AEO / OEI
- Enhanced situational awareness with integrated digital map, HTAWS, synthetic vision system, etc.
- TCAS II autopilot coupling, allowing automatic collision avoidance
- Common Airbus Helicopters HMI cockpit concept
- First Limit Indicator (FLI)
- Recovery mode in case of pilot disorientation
- Dual Flight Management System (FMS)
- Unique level of redundancy with four 6 x 8-inch multi-function displays
- Electronic Flight Bag (EFB)

Helionix

The latest Airbus Helicopters avionics, for an unrivaled pilot assistance and intuitive human-machine interface

- Explicit alerting system
- Extensive self-monitoring system functions
- Innovative on-demand vehicle monitoring system display
- Airbus Helicopters' dual-duplex 4-axis Automatic Flight Control System (AFCS) for precision and stability, even in the harshest weather conditions

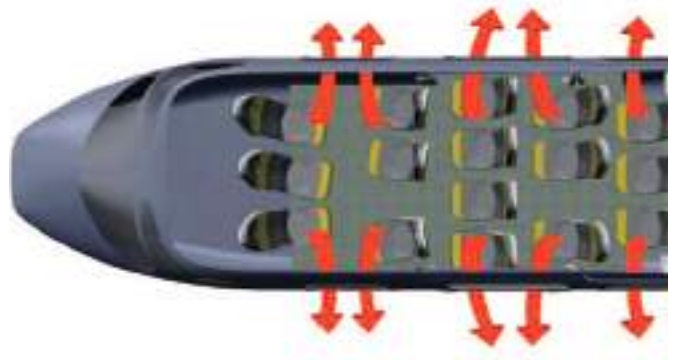




Designed with built-in safety

H175's design, ensuring that it complies with – or exceeds – the latest CS29 standards, with:

- Fully-redundant systems
- Quick and easy egress through extra-large windows that exceed EASA Type IV certification requirements
- Each passenger is seated at maximum of one seat from an egress exit
- Certification test of 30 minutes Main Gear Box running after loss of oil demonstrated
- Crashworthiness up to 20G in compliance with the most demanding CS29 standards
- Energy-absorbing landing gear, seats, structure and fuel tanks
- Emergency floatation devices
 - Sea State 6 capability
 - High water-line reduces risk of capsizing
 - Manual inflation in-flight, or automatic backup at ditching
- Two 18-passenger external life rafts
- Tail-fin mounted forward-looking camera allows passenger boarding to be controlled from the cockpit's multi-function display
- High tail rotor provides ground clearance of 2.3 meters



A powerful aircraft

Confirmed by all customer pilots who have flown the H175

- 592 nautical-mile (NM) range with standard fuel tank
- 5h58 endurance
- Recommended cruise speed of 150 kts.
- Fast cruise speed approaching 160 kts.
- Class 1 performance at ISA+20 on a 75 ft. platform with 2,900 kg payload

The H175 is fitted with two PT6C-67E Pratt and Whitney turboshaft engines:

- Dual-channel FADEC
- 30-second super emergency power



The H175 provides the best payload range per passenger/radius-of-action (RoA) in the medium-class helicopter range:



Oil & Gas:

- High comfort
- 16-passenger 165 NM RoA at
- High density
- 18-passenger at 130 NM RoA
- Long range
- 12-passenger at 221 NM RoA

SAR:

- 2-rescues at 260 NM RoA
- 5-rescues at 253 NM RoA
- 10-rescues at 200 NM RoA

VIP:

- 7-passengers at 515 NM range

EXECUTIVE:

- 10-passengers at 450 NM range

Services

The H175 maintenance concept has been defined in cooperation with operators for enhanced operational efficiency, combining higher helicopter availability and lower operating costs



Helicopter maintenance

Optimal maintainability by design

The H175 benefits from Airbus Helicopters comprehensive experience on helicopter maintenance acquired through years of operators feedback from the field. This helicopter has been designed using the task-oriented MSG-3 methodology reducing of 20% maintenance tasks quantity. Its maintenance program continuously improves thanks to the Living Maintenance Review Board process (living MRB).

Main components have been designed to be removed / fitted within short times to reduce helicopter downtimes.

Removal/Installation times :
Engine in 45 minutes
Main Rotor Head in 1,5 Hours

H175 maintenance program (MSM) has evolved to a maintenance-by-task concept with a top-down approach. Operators are able to organize their periodic maintenance plan according to their own activity and organization, optimizing associated MMH and reducing downtimes.



The new design of the dynamic chain leads to a strong improvement of Time Limits.

**Main Dynamic components with
TBO 5000 hours**
 (Engine ,MGB, TGB, Main Hyd Pumps, Servos...)



- Pilots can perform the Turn Around and Daily checks .
- No scheduled mechanical check is requested until 50FH
- Servicing and General Visual inspection focused until 400 FH interval.

Observed Times to inspect
50 FH inspection in 10 Hrs.
100 FH inspection in 14 Hrs.

- Main intervals at 400, 800 and 1600 FH being possible to perform progressive maintenance.
- **1,2 MMH/FH total aircraft scheduled maintenance**
- No more major inspection to be performed

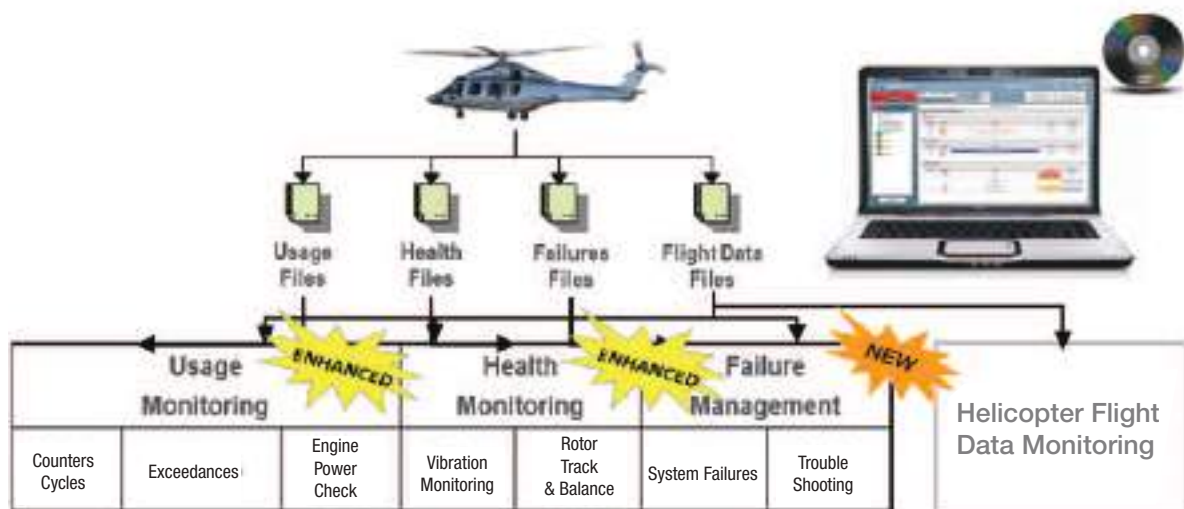
Smart Helionix capacities

- Maintenance report with codes to simplify Pilots reports (PIREP)
- Clearance test, automatic preflight tests of all aircraft systems
- Flight report of exceedances or usage limits reached during flight
- Automatic diagnosis off-aircraft, to speed-up troubleshooting
- HUMS/DFD correlated vibration report
- Rotor track & balance
- Dedicated Helionix test
- Engine power test



PWR-UP TST PENDG
PWR-UP TST ABORT
PWR-UP TST
PWR-UP TST OK
P-START TST
P-START TST OK
START-UP TST
START-UP TST OK
P-FLT TST
P-FLT TST OK

H175 benefits from all technical capacities and features to detect any symptom encountered during the flight thanks to Helionix. To facilitate maintenance operations, the new powerful Maintenance Ground Segment allows operators a fast, easy and guided analysis, and therefore an improved anticipation and reactivity on maintenance.



Connected Services

Fleet Keeper : A Software-as-a-Service

A user-friendly electronic solution replacing paper Technical LogBook.

Fleet Keeper enables optimal real-time data exchange between your flight, maintenance & airworthiness operations.

- Fully paperless
- Real-time interaction
- Online & offline



Compatible with all Airbus Helicopters products and any other rotorcraft

Envision

Powered by Rusada

Envision is the Airbus Helicopters trusted solution for aviation management.

It is a powerful all-inclusive software developed for operators in need of a comprehensive information system, to efficiently support activities like flight & maintenance operations, materials, airworthiness, quality, finance, and performance follow-up.

Single point of data entry – customizable with 8 possible modules.

Tailored for your business by aviation professionals.



Connected Services

H175 is equipped with Helionix, our new avionics suite generation, which answers to a wide scope of mission requirements. Operators have now the flexibility to manage by themselves the softwares of their helicopter for more reactivity.

HCare for Helionix

eAvionics

e-Avionics is a comprehensive offering for the self-management of all softwares embedded in your helicopters.

Easily keep your avionics suite always at the latest and best standard and manage softwares configuration.

- Self-loading capacity
- Safety & Quality
- Expert support



Aerodata

This service provides aeronautical databases updates in an adequate format for your helicopters.

Online or on DVD, it covers various mission functions such as: Helicopter Terrain Awareness System (HTAWS), Synthetic Vision System (SVS) and Digital MAP (DMAP).

- Easy-to-use
- Up-to-date
- Quality

Connected Services



Many services and valued functionalities are accessible through our customer portal

HUMS services

Airbus Helicopter provides Health and Usage monitoring and management

- Thresholds Management
- Health Diagnosis report with action recommendation
- Failure Management

The WebHUMS service is also available and gives operators a consolidated view of the global fleet behavior by component family or type.

Anticipate maintenance actions and increase aircraft availability



eTechPub

**PDF library
ORION**

**ORION Light
ORION Server**

All Maintenance documentation available at the same time with advanced functions and hyperlinks between the various manuals
(AMM , IPC , MSM , etc.)



Your publications on iPad
Download and organize your manuals
Check updates and synchronize

WebHUMS



eRequests



An interactive 24/7 online communication tool for customers requiring reactive technical responses from our experts on questions related to support or service. Raise any support & services request anytime, anywhere.



HCare - Material Management

We offer the most efficient and adapted solution according to your operational and financial scheme



All activities offered in this line of service package are open to any customer, and conditions made available through dedicated catalogues.

They range from spare parts supplies, tools/GSE rental, standard component repair/overhaul/exchange, up to specific offerings securing Turn-Around-Times or parts availability thanks to dedicated pools of parts on specific lists of part numbers.

100% commitment

on delivery lead times for planned spare parts orders anticipated at least of 15 days



Our preferred H175 offering

On H175, Airbus Helicopters preferred offer is based on HCare Smart range of hourly-rate-based services, embedding up to full nose-to-tail coverage. Such packages also offer a contractual commitment on delivery lead times, and a clear vision of the budget to be dedicated to the maintenance of components and equipment parts fitted on the aircraft.

Committed Delivery times:

Scheduled maintenance: before removal date
AOG parts: 24h FCA



A worldwide comprehensive 24/7 service has been implemented, and allows operators to raise any technical, logistics or AOG requirement anytime, anywhere.

This service is supported by dedicated teams of technical and logistics experts, capable to take care about any request, and manage an answer within short times.

Selecting HCare Smart services from helicopter delivery allows customers to minimize investments in inventories and contributes to an improved availability



Training & Flight Operations

Our training courses have been optimized, and answer main customers' expectations

- Regulation
- Competitiveness
- Proximity

H175 - Pilot Training Program



H175 - Maintenance Training Program



They also anticipate OGP* recommendations of building hours - Experience

*OGP: Oil & Gas Producers

Helionix™ Family – Difference Training



Flight Crew Operating Manual (FCOM)

1st OEM helicopter Operating Manual in the rotorcraft industry

Complements the Flight Manual

Supports operators in the development of their Operations Manual

Provides Airbus Helicopters guidance in Standards

Operating Procedures

Best practice of state-of-the-art modern cockpit

Focus on automated systems

Multi-Crew Coordination (MCC)

Automation

Procedures

Standards

Operational Support – On Site Pilot Assistance



Objective

Create a tailor made program to provide pilots with the necessary skills to perform your specific missions

Benefits

- A solid transfer of industry know-how straight from the OEM
- An optimized understanding of your aircraft usage (e.g.: standard operating procedures, Man-Machine Interface)
- Reinforced flight safety
- Operational efficiency for the entry into service

Characteristics

WEIGHT

MTOW:	7,800 kg	17,196 lb
Typical O&G mission empty weight:	4,701 kg	10,364lb

ENGINES: TWO PRATT & WHITNEY PT6C-67E WITH DUAL CHANNEL FADEC

Takeoff Power:	1,324 kW	1,776 shp
Maximum Continuous Power:	1,227 kW	1,645 shp
One Engine Inoperative(OEI) 30 sec:	1,541 kW	2,067 shp

FUEL

Standard fuel tanks, ground pressure refuelling	2,616 liters	2,066 kg	4,555 lb
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OVERALL DIMENSION

From rotor disc to tail rotor disc:	18.06 m	59.25 ft
From nose to tail rotor disc:	15.68 m	51.44 ft
Rotor disc dia.:	14.80 m	48.56 ft
Tail rotor disc dia.:	3.20 m	10.50 ft
Overall height (tail rotor disc dia.):	5.34 m	17.52 ft

LUGGAGE HOLD

Surface:	3,1 m²	33,4.ft²
Volume:	2,3 m³	81,9.ft³

CABIN

Length:	4.1 m	13.45 ft
Width:	2.13 m	6.99 ft
Height:	1.40 m	4.59 ft
Surface:	8 m²	86.1 ft²
Volume:	12 m³	423.8 ft³

Major operational features/options

- DMAP
 - HTAWS
 - SVS
 - AFCS coupled TCAS II
 - Fleet tracking System
 - AIS
 - ADSB
 - Electronic flight bag
 - Direction Finder
 - Search/weather radar
 - EOS
 - Search light
 - Single/double hoist
- Central mission display
 - Engine declutch function for APU mode
 - Pressure refueling
 - HEELS
 - ADEL T
 - ELT
 - CVFDR
 - HUMS
 - HFDM
 - Cargo sling





Contacts

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