



HELIATION
HELICOPTER SALES & ADVISORY

AIRCRAFT CONFIGURATION

Airbus ACH160



8

PASSENGERS

4 + 4

TWO BENCH SEATS

ACH

LOUNGE CABIN

An ACH Lounge cabin with two four-seat bench seats, accommodating eight passengers in total. A light interior palette, carbon details and wood-effect flooring complement the passenger layout.

Configuration overview, common aircraft equipment and available options.



ACH LOUNGE / EIGHT PASSENGERS

Cabin layout



Two four-seat benches. Eight passenger seats in total.

EXCLUSIVE DESIGN. LIGHTWEIGHT REFINEMENT.

The ACH Lounge Cabin blends distinctive elegance with exceptional VIP comfort. Elegant leather seating, refined lounge tables, premium materials and warm wood-effect finishes create an exclusive, beautifully coordinated interior. Two four-seat benches welcome eight passengers into a sophisticated lounge environment.

Materials were selected with particular attention to reducing cabin structure weight and preserving useful payload. Lightweight construction combines with luxurious finishes and thoughtful detailing to retain the cabin's unique style, refined atmosphere and unmistakable VIP character.



HELIONIX AVIONICS

Flight deck



DISPLAY ARCHITECTURE

- Four reconfigurable 6 × 8 inch smart displays.
- Flight Navigation Display and Vehicle Monitoring Display pages.
- Integrated electronic standby instrument.

NAVIGATION

- Dual flight management systems with LPV approach function.
- Helicopter Terrain Awareness Warning System (HTAWS).
- Synthetic Vision System (SVS).
- Weather / search radar.

MONITORING

- Aircraft Management Computers and usage monitoring.
- Cockpit and flight data recording.
- Light Health Monitoring System.

The detailed common configuration follows on the next pages.



AIRFRAME / CABIN / AVIONICS

Common configuration

AIRFRAME

- Crashworthy airframe with front fuselage, cockpit and nose avionics bay.
- Intermediate fuselage with cabin and luggage compartment; two lockable luggage doors (LH / RH).
- Rear fuselage with Canted Fenestron and horizontal stabilizer.
- Cowlings and fairings; upper-deck maintenance footsteps and handles.
- Electrically controlled retractable tricycle landing gear.
- Standard exterior colour scheme unless modified by option.
- Jacking, hoisting and mooring points; six mooring rings in a dedicated bag.

COCKPIT AND CABIN

- Two removable, height and fore / aft adjustable crashworthy pilot seats, each with five-point harness.
- Windshield with upper sunshade, two lateral windows and two nose windows.
- Two lockable hinged cockpit doors with emergency-jettison windows, bad-weather windows and lower windows.
- Two external cockpit footsteps; first aid kit; two tablet holders.
- Dual flight controls; windshield washer and two wipers.
- Two overhead headset hooks and two cockpit handles.
- Storage at centre console, instrument panel and pilot-side floor.
- Four jettisonable cabin windows; cabin door handles.
- Two portable fire extinguishers: cockpit and cabin.
- Dual-zone air conditioning with cockpit control.
- Standard key; cabin access to cargo compartment.

INSTRUMENT DISPLAYS

- FND: PFD, navigation, parameter tuning, AFCS, fuel data, First Limit Indicator, rotor / free turbine speed, clock, alarms and advisories.
- VMD: engine / vehicle, fuel, electrical, hydraulics / landing gear, transmission and enhanced usage monitoring.
- External video sources with optional equipment.

CONTROLS AND STANDBY

- Common control panel: landing gear, wipers / washer, parking brake, nose wheel and optional controls.
- Standby compass, Integrated Electronic Standby Instrument and storage box.

STANDARD HELIONIX AVIONICS

- Cockpit video camera with embedded recorder; tail-fin video camera.
- CVFDR solid-state cockpit and flight data recorder.
- Continuous flight-data recording for helicopter flight-data monitoring.
- Two duplex Aircraft Management Computers; Usage Monitoring System; Light HMS.
- Emergency Locator Transmitter with embedded GPS; AHV 1600 radio altimeter.
- Dual FMS with LPV: 2 × CMA9000 and 2 × GPS CMA 5024.
- Digital Audio Communication System with two headset holders; NAT 251 passenger address.
- Two Collins VHF 4000 VHF / AM radios; two Collins NAV4500 VOR / ILS / MKR units.
- Collins DME 4000; ADS-B Out / TCAS II multifunction transponder coupled with AFCS.
- Telephonics RDR1600 weather / search radar.
- Digital Map; HTAWS; Synthetic Vision System.

INTERSEAT AND OVERHEAD CONTROLS

- APCP; ECS with separate cabin / cockpit ventilation, heating, air conditioning and demisting.
- Lighting, ELT remote and radar control panels; two advanced FMS / control display units; two DACS audio panels.
- Overhead electrical / emergency cut-off, fire detection / extinguishing, engine / auxiliary, hydraulic, pre-flight / lamp-test and rotor-brake controls.
- Provision for optional controls.

SENSORS AND DATA

- Three AHRS; two three-axis magnetic sensor units.
- Three heated pitot heads; two Air Data Units; two temperature probe units.
- Wireless data device with SD card.



POWERPLANT / ROTORS / UTILITIES

Aircraft systems

POWERPLANT AND FUEL

- Two Safran ARRANO turboshaft engines with FADEC: automatic start, OEI detection, OEI training and engine limitations.
- Per-engine fire detection with two redundant pneumatic detectors in each compartment.
- Engine / cargo fire extinguishing: two bottles connected to both engines; cargo system uses one engine bottle.
- Protected engine air intakes; single-side flushing ports without cowl removal.
- Crashworthy fuel system: four tanks, 1,400 litres usable capacity (370 US gal), with two feeder and two auxiliary tanks.
- Two immersed brushless canister pumps; four transfer jet pumps; two starting ejectors.
- Four fuel probes; two low-level sensors; two fuel-temperature sensors; two electrical shut-off valves.
- Single-port gravity and pressure refuelling.

TRANSMISSION

- Main gearbox with low-oil switch, pressure / temperature sensors, endoscope / sampling ports, four chip detectors and oil cooling.
- Two integrated freewheels; dual lubrication with main and emergency pumps.
- Two engine / main gearbox coupling devices; rotor brake; tail-rotor drive shaft.
- Splash-lubricated tail gearbox with temperature sensor and chip detector.

ROTORS AND FLIGHT CONTROLS

- Five Blue Edge main-rotor blades; SPHERIFLEX head; mast with rotor Top / Nr sensors.
- Five interblade elastomeric dampers and upper coning stop.
- Fenestron tail rotor with ten composite blades in the vertical fin.
- FCS with three dual-chamber / dual-body main servo units and one dual-chamber / dual-body tail servo.
- Fail-passive dual-duplex digital four-axis AFCS with upper modes, including Auto Hover.

ELECTRICAL INSTALLATION

- DC generation: two 300 A / 28 V starters-generators; two electrical master boxes.
- Two 15 Ah nickel-cadmium batteries with thermal switches and temperature probes; emergency DC generator.
- External 28 VDC receptacle and maintenance ICS jack.
- One nose breaker panel, two cockpit breaker panels and one emergency cockpit breaker panel.
- Two primary and two essential bus bars; four 150 A high-load contactors.
- Two 5 V / 2 A USB outlets on instrument panel; rear cabin console USB II and 28 VDC / 20 A supply.
- Radio operation on battery power on the ground.

LIGHTING

- Red / white tail-fin anti-collision strobe; three position lights; two exterior emergency lights.
- Adjustable instrument, interseat and overhead lighting; two flashlights.
- Cockpit dome light and two reading lights; cabin and emergency lights; luggage light.
- HID retractable / swivelling front central landing light; optional replacement for NVIS compatibility.

HYDRAULICS

- Two independent systems for main / tail rotor actuators, with level probes and sight gauges.
- LH electro-hydraulic pump for ground assistance with engines stopped.
- Self-sealing ports on each side for ground power connection.

AIRBORNE KIT

- Pitot and emergency pitot caps; static-port blanks; ECS intake covers; engine intake blanks; exhaust ejector cover; chimney intake cap; OAT probe protection.
- Rotor-brake locking pin; landing-gear wheel-lock pin; wiper ball pin; fuel water-drain tool.
- Main rotor blade tie-down; emergency-exit rearm tool; onboard storage bag.
- Kit weight is not included in the Favourite empty weight.



ACH LINE / EQUIPMENT

Selected configuration

ACH Line Favourite configuration with an eight-passenger cabin comprising two four-seat benches.

Document / commercial reference	Description
00-90034-A / 00-90034-01-CI	ACH Line Favourite configuration: common aircraft configuration; simple glazed windows; two fixed external cabin footsteps; emergency flotation fixed parts; external life-raft / ELT compartment fixed parts; Helicopter Emergency Egress Lighting; ADELTA HR Smith 503 with GPS fixed parts; transport cabin floor; two enlarged sliding cabin doors; VHF / FM NAT NPX 138 fixed parts.
05-02099-A / 05-02099-00-CI	ACH acrylic external painting.
05-25039-A / 05-25039-01-FP	Inlet Barrier Filter system - fixed parts.
05-25041-A / 05-25041-00-CI	Emergency flotation removable parts replaced by standard fairings.
06-42046-A / 06-42046-00-CI	HID retractable and swivelling second landing light on the RH side.
06-61037-A / 06-61037-00-RP	Emergency flotation gear with automatic percussion - removable parts.
Cabin arrangement	ACH Lounge cabin with partition and cabinet, and two four-seat bench seats for eight passengers in total (4 + 4).

The ACH Line cabin combines the comfort-cabin STC holder's expertise with Airbus Helicopters integration. Support from the cabin STC holder covers STC documentation, spares, repairs and technical support. Airbus Helicopters supports the main helicopter perimeter, excluding the engine and other STCs.

Equipment references identify the specification entries. The approved aircraft configuration and records govern the final equipment definition.



OPTIONAL EQUIPMENT

Further available equipment

Additional equipment may be installed on request, subject to technical compatibility. Prices are available on request. The selected cabin remains the eight-passenger 4 + 4 arrangement.

Document / commercial reference	Description
GENERAL EQUIPMENT	
05-02090-A / 05-02090-00-CI	Customized external paint scheme.
05-21038-B / 05-21038-01-FP	Wire-strike protection - fixed parts.
05-21038-B / 05-21038-01-RP	Wire-strike protection - removable parts.
05-25039-A / 05-25039-01-RP	Inlet Barrier Filter - removable parts.
05-25040-A / 05-25040-00-CI	IBF removable parts replaced by standard air-intake cowlings.
05-25042-A / 05-25042-00-CI	External life-raft removable parts replaced by standard fairings.
05-26022-A / 05-26022-00-CI	Offshore anti-corrosion protection for extreme conditions.
05-31153-A / 05-31153-00-CI	Tinted cabin windows.
05-61028-A / 05-61028-00-FP	25 Ah battery instead of standard battery - fixed parts.
05-61028-A / 05-61028-00-RP	25 Ah battery instead of standard battery - removable parts.
05-80009-A / 05-80009-00-CI	Customized key for locking doors.
MISSION EQUIPMENT	
06-62035-A / 06-62035-01-RP	External life-raft with ELT compartment - removable parts.
06-67083-A / 06-67083-00-RP	ADELTA HR Smith 503 with GPS - removable parts.
06-67082-A / 06-67082-00-CI	HR Smith PLB 500 personal locator beacons for external life raft (2).
06-70032-A / 06-70032-02-CI	Full NVIS cockpit, cabin and external lighting.
CABIN EQUIPMENT	
07-60056-A / 07-60056-00-CI	Cargo-hold volume extension including net protection.
07-60058-A / 07-60058-00-CI	Cargo-hold net.
07-81147-A / 07-81147-01-CI	Alternative layout only: ten-passenger ACH Line package (4 + 2 + 4).
07-81151-A / 07-81151-00-CI	Alternative layout only: two additional seats for the six-passenger Line installation (3 + 3).
07-81152-A / 07-81152-01-CI	Eight-passenger ACH Line installation package, 4 + 4 club seating.
07-90038-A / 07-90038-00-CI	Partition between cabin and cockpit.
AVIONICS	
08-12103-A / 08-12103-00-RP	VHF / FM NAT NPX 138 - removable parts.
08-15571-A / 08-15571-00-CI	IRIDIUM Skyconnect satcom - voice and aircraft position.
08-15572-A / 08-15572-00-CI	IRIDIUM Skytrac satcom - voice and position.
08-21037-A / 08-21037-00-CI	Second radio altimeter - Thales AHV-1600.
08-24039-A / 08-24039-00-CI	Collins NAV-4000 VOR / ILS / MKR / ADF No. 1 instead of NAV-4500 No. 1.
08-83051-A / 08-83051-00-CI	Full Health Monitoring System complement including engine sensors.



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HELIATION

Airbus ACH160



PRICE UPON REQUEST

For aircraft information, configuration details and commercial enquiries, contact the Heliavion Sales Desk.

sales@heliavion.com

heliavion.com

Manufacturer warranty terms: three years or 2,000 hours, whichever occurs first, from transfer of ownership. Applicability and remaining coverage must be confirmed for the aircraft.