



2008 Airbus Helicopters H155 | #6789 | G-HOTB



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TOTAL HOURS

1,957.18 Hours Since New

CYCLES

3,903

ENGINES

Turbomeca Arriel 2C2

#	S/N	TSN
1	26100	1,957.18
2	26107	1,957.18

HIGHLIGHTS

145-150 kts cruise speed

Floats, Aux tanks FP, CV-FDR

2 owners since new

High-end flight ops and maintenance

Enrolled on programs

GENERAL

Fuselage comprising cabin and baggage hold

Baggage hold with floor tie-down net and 2 lockable doors (LH and RH side)

Tail boom with stabiliser fitted with 2 lateral endplates and a shrouded tail rotor built into the vertical fin

Retractable tricycle landing gear with nose wheel castor lock unit, assisted differential brakes on pilot and co-pilot side and parking brake

4 built-in foot-steps (2 on each side) for access to transmission deck

Structural reinforcements for 1,600 kg (3,527 lb) cargo-sling

Structural reinforcements for external hoist

Jacking, hoisting, mooring and gripping points

Interior paint: Light grey

POWER PLANT

2 TURBOMECA ARRIEL 2C2 turbine engines complete with starting, dual channel Full Authority Digital Engine Control (FADEC) system, and fitted with 4 chip detectors cabled with 1 warning light on warning panel

The FADEC provides the following main functions:

- Variable rotor speed governing
- OEI training mode
- Automatic starting sequence

Each engine is equipped with an anti-icing fuel system (efficient down to O.A.T. = -20° C)

Automatic backup engine governing, electrically controlled

1 fuel system including 6 tanks split into 2 groups, with a total usable capacity of 1,257 litres (332 US gal), 4 immersed booster pumps, 1 transfer pump and low level fuel indication

1 bleed control for the fuel system

2 engine lubrication and oil cooling systems

1 fuzz burner system on engine lubricating system

2 engine fire detection and extinguishing systems

2 engine anti-icing air-intake grids

2 sensors for torque meter

Engine flushing plug (without removing cowlings)

Fuel filler with lock and protection



CABIN

1 multipurpose cabin

2 removable pilot and co-pilot energy attenuating high back-rest seats, adjustable in reach and height, each fitted with a 5 points harness

1 glass windshield

2 hinged pilot and co-pilot doors, jettisonable with tinted windows, allowing access to cockpit and front passenger row, each fitted with a sliding window

2 jettisonable tinted windows located between cockpit and cabin doors

2 passenger sliding doors with jettisonable tinted windows

2 externally mounted cockpit and cabin footsteps

2 tinted upper panes

Cabin upholstery

Dual flight controls

1 co-pilot collective stick guard

Engine controls

1 rotor brake control

1 heating /demisting/ ventilation system

2 windshield wipers

1 portable fire-extinguisher

2 illuminated chart holders

Stowage place for flight documents

1 flight manual

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INSTRUMENTS

2 Primary Flight Displays (PFD) providing the following information:

- Altitude
- Indicated airspeed with flight envelope data
- Vertical speed
- Barometric altitude
- ILS (with heading scale)(*)
- Auto Pilot mode annunciator
- DH alarm

2 Navigation Displays (ND) providing the following information:

- Heading
- Radio navigation sources (*)
- Automatic bearings (*)
- Radar altitude scale with DH select
- ILS (*)
- DME (*)
- 2 D navigation leg displays (*)
- External video sources (*)

1 dual screen Vehicle and Engine Management Display (VEMD) providing the following information:

- First Limitation Indicator (FLI): limitation related to the first power limitation : NG, T 4, TRQ
- Engine oil temperature/pressure indicator
- Hydraulic pressure
- Ammeter and voltmeter
- OAT
- Enhanced usage monitoring functions
 - Engine cycle counting
 - Automatic engine check

1 Caution Advisory Display (CAD) providing the following information :

- Caution advisory display (amber, green and blue lights)
- Fuel quantity
- Fuel pressure
- LiNG (back-up mode)
- 2 Instrument Control Panels (ICP)

1 stand-by gyro-horizon

1 stand-by anemometer

1 stand-by altimeter

1 stand-by RMI indicator

1 stand-by DME indicator



1 stand-by magnetic compass

1 landing gear position selector and indicator

2 stop watches

1 triple tachometer for rotor and engine 1 and 2 free turbine r.p.m.

1 tachometer for rotor on co-pilot's side

1 warning panel (red alarms)

2 master alarm lights

2 manoeuvre limit lights

2 "L/G not extended" warning lights

1 Automatic Pilot Mode Selector (APMS)

1 Reconfiguration Control Unit (RCU)

1 fuel circuit control and inspection panel

1 AHRS control box

1 overhead panel including :

- 1 engine control panel
- 2 dual fire extinguishing controls for engine bay
- 1 dual fire extinguishing control for baggage hold
- 1 electrical control panel

1 brake hydraulic circuit pressure gauge on pilot side floor

3 heated pitot head

2 Altitude and Horizontal Reference Systems (AHRS)

1 AHRS control box

2 Air Data Computers (ADC)

1 radar altimeter (radar altitude displayed on NDs)

1 rack with the following boards :

- 2 Flight Data Computer Modules (FDCM),
- 1 Automatic Pilot Module (APM),
- Spare for 1 Miscellaneous Flight Data Acquisition Unit (MFDAU) (*)

Avionics wiring provisions

(*) When optional equipment is fitted

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TRANSMISSION SYSTEM

1 main gearbox with oil sight gauge, magnetic plug, oil pressure and temperature pick-up, lubrication system, 1 standby lubrication pump, thermal-switch, rotor tachometer drive, holes for endoscope and oil sampling, and 2 chip detectors cabled with a warning light on warning panel

2 free wheels integrated to the main gearbox

1 main gearbox oil cooling system

2 engine / main gearbox coupling shafts

1 rotor brake

1 tail gearbox with oil sight gauge and 1 chip detector cabled with a warning light on warning panel

ROTORS AND FLYING CONTROLS

1 main rotor with:

- 5 glass / carbon-fibre blades
- 1 "Spheriflex" rotor head fitted with lower gust and droop stops
- 1 rotor mast fitted with rotor r.p.m. phonic-wheel

1 "Fenestron" type tail rotor with 10 composite material blades built into the vertical fin

1 flight control system, fitted with 3 dual-chamber/ dual body main servo-units (on cyclic and collective pitch channels) and 1 dual-chamber/ dual-body rear servounit (on tail rotor pitch control channel)

1 Dual Digital Automatic Flight Control System (4-axis type) including upper modes

HYDRAULIC GENERATION

2 independent hydraulic systems feeding the servo units, landing gear actuation system and assisted brakes

1 self-sealing hydraulic ground coupling

1 stand-by hydraulic system with electro-pump for emergency activation of the landing gear and for providing hydraulic assistance on ground (engines not running)



ELECTRICAL INSTALLATION

Power generation system :

- 2 starter/ generators (160 Amp, 28 V DC)
- 43 Amp/ hr nickel-cadmium battery with temperature sensor and warning light
- 1 external 28 V DC power connector
- 1 additional maintenance ICS jack in the ground power receptacle compartment

Power distribution system

- 2 primary bus bars
- 2 essential bus bars
- 2 high load bus bars (80 A) - for optional equipment only
- 1 battery bus
- 2 breakers panels in radome
- 1 breaker panel in cockpit

Lighting

- 1 anti-collision light
- 1 retractable landing light (450 Watts)
- 1 retractable swivelable landing/ search light (450 Watts)
- 3 position lights (red, green, white)
- adjustable instrument lighting
- 2 utility lights in the cockpit
- 1 instrument light for flight in stormy conditions
- Compartment lights in cabin and cargo compartment
- 2 x 28 V DC power connectors in cabin

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EC155B1 Helicopter as per standard definition EC155 B1.06.100.01E together with common equipment package one

Additional anti-corrosion protection

Improved sound-proofing (86 dB)

VHF-AM COLLINS 422 A (No.1)

VHF-AM COLLINS 422 A (No.2)

Intercommunication System with 2 control boxes TEAM TB 31

Transponder COLLINS TDR 94 D-007 with flight ident capability n°1

ADF COLLINS ADF 462

DME COLLINS DME 442

VOR/ILS COLLINS VIR 432 (No.1)

VOR/ILS COLLINS VIR 432 (No.2)

Solid State Cockpit Voice & Flight Data Recorder HONEYWELL AR COMBI (2 hours CVR and 10 hours FDR recording)

UMS (complement of SSCVFDR) (Usage functions) ground station excluded

GENERALEQUIPMENT

Fuzz burners on engine lubrication system

High visibility markings of the main rotor blades tip caps

Single pilot IFR kit

Air conditioning system (Mechanically driven)

Auxiliary fuel tank (180 litres) fixed fittings

MISSIONEQUIPMENT

Belly strobe light

Fixed parts emergency floatation gear

Removable parts emergency floatation gear

Emergency Locator Transmitter (KANNAD 406-AF) 3 frequencies Plus Nav interface

INTERIORCABINLAYOUTS

Hinged passenger doors with 2 rear door extensions (instead of standard sliding doors) and electrical retractable passenger steps
7 seat complete VIP installation with enhanced sound proofing, colour grey/plum

VIP treatment of the cockpit - Configuration with removal of bulkhead partition special customisation



AVIONICS

Passenger address with NAT AA20-431 with 4 loudspeakers

Passenger Interphone for Active noise cancelling headsets BOSE. 1 x NAT AA-36 + N2 x AA-82

Weather Radar with VRU, displayed on ND Honeywell RDR 2000 TAS RYAN 9900 BX (3" display)

Flight Management System UNIVERSAL UNS-1 D linked with DDAFCS

EGPWS MKXXII

Iridium Sat phone system

Skyquest 10.4" monitor Display

Passenger address with NAT AA20-431 with 4 loudspeakers

CUSTOMISATIONITEMS

AHUK Skyforce observer system with 10.4" display

AHUK AVAD System

AHUK Custom Paint Scheme

LOOSEPARTSKIT

Static Vent Plugs x2

Engine Air-Intake Covers x2

Engine Tail Pipe Covers x2

Main Blades Tie-Down Kit x1

Airborne Kit Stowing Bag x1

Set Seat Covers x1 Set

Step Handle x1

Float Blanks x1 Set

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