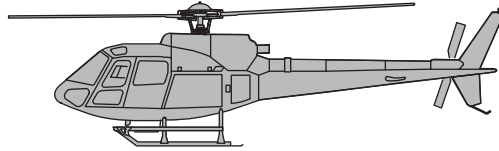




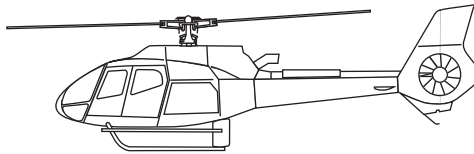
H125

Technical Data
2016

ECUREUIL
(Civil Version)

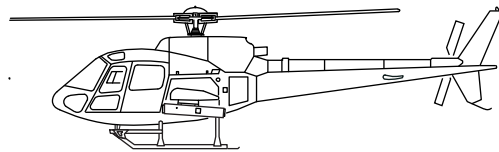


H125



H130

FENNEC
(Military Version)



H125M

3 Baseline Aircraft Definition

GENERAL

-
- The H125[®] is certified with a pilot being on the right side
 - The baseline aircraft is delivered with right side controls and capabilities for the removable dual controls (LH controls are optional)
 - Fuselage comprising the cabin and 3 luggage holds, with floor tie-down nets and access doors
 - Tail boom with stabilizer, anti-torque rotor and fin with tail skid
 - High skid landing gear with long footsteps (on right side and on left side), capable of taking handling wheels
 - Lifting points
 - Mooring fixtures
 - Structural reinforcements for cable cutter system
 - Structural reinforcements for RH external mirrors
 - Single color exterior painting
 - Internal paint: grey (prevailing colour)
 - Interior signs and markings: available in either French or English
-

COCKPIT / CABIN

-
- Cabin floor in light-alloy sheet-metal with tie-down rings
 - 2 pilot and copilot high-back energy-absorbing seats, adjustable in reach, removable, complete with cushions, safety belts and shoulder harnesses
 - 2 two-place rear bench-seats, foldable separately, complete with cushions, safety belts and shoulder harnesses
 - 2 pilot and copilot jettisonable doors each fitted with a sliding window and with improved side-visibility window
 - 1 RH large front door
 - 1 LH front door
 - Hinged rear right door-extension for passengers and cargo
 - 1 rear left sliding door
 - Locks on every access to cabin and luggage compartments
 - Lock on fuel cap
 - 2 tinted upper panes
 - 1 ceiling housing the ventilation ducts and controls (ventilation controls, rotor brake and fuel cut-off)
 - Cabin heating
 - Demisting system for front windscreens
 - Ram air ventilation duct
 - Fixed parts for pilot and copilot windshield wipers
 - 1 pilot document holder
 - 1 fire-extinguisher
 - 1 Flight Manual: available in either French or English
 - Interior harmony according to definition in force
-

INSTRUMENTS

-
- 1 airspeed indicator
 - 1 altimeter
 - 1 vertical speed indicator
 - 1 LCD dual RPM tachometer (rotor and free turbine)
 - 1 stop watch
 - 1 warning panel
 - 1 magnetic compass
 - 1 heated pitot head
 - 1 external side slip indicator
 - 1 control box for light and electrical generation
 - 1 I.C.S. connection to audio warning issued from VEMD[®]
 - 1 cockpit imaging and flight data monitoring device
 - 1 LCD Dual screen Vehicle and Engine Multifunction Display (VEMD) providing the following information:
 - First Limit Indicator (FLI)
 - ◆ torquemeter
 - ◆ exhaust gas temperature (TOT)
 - ◆ gas generator tachometer (N1)
 - Engine oil temperature/pressure
 - Fuel quantity
 - Fuel flow and estimated remaining time to fly
 - Ammeter, voltmeter and battery temperature
 - Outside Air Temperature (OAT)
 - Enhanced usage monitoring functions
 - ◆ IGE/OGE performance calculations
 - ◆ engine cycles counting
 - ◆ engine power check
 - ◆ overlimits display
 - VEMD and peripheral maintenance information
 - Data downloading capability (software and connection wire as option)
-

AVIONICS

- | | |
|---|---|
| <ul style="list-style-type: none"> ● 1 avionics master switch ● 1 gyro-horizon ● 1 gyro-directional ● 1 course deviation indicator ● 1 turn and bank indicator ● 1 VHF/VOR/LOC/GS | <ul style="list-style-type: none"> ● 1 VHF/VOR/LOC/GS/GPS ● 1 transponder (mode S) ● 1 altitude encoder ● 1 Emergency Locator Transmitter ● 1 ICS + passenger interphone |
|---|---|

POWER PLANT

- | | |
|--|--|
| <ul style="list-style-type: none"> ● 1 Turbomeca ARRIEL 2D turboshaft engine complete with starting, fuel supply and dual channel digital engine control system (FADEC) and 1 back-up control that automatically controls the engine in case of total failure of the 2 digital channels of the FADEC ● 1 fuel system including 1 tank of 540 litres (143 US gal.) total capacity | <ul style="list-style-type: none"> ● 1 twist grip on pilot side (for engine reduction in case of tail rotor failure and autorotation training) ● 1 magnetic plug and chip detector ● 1 engine lubrication and oil cooling system ● 1 fire detection system ● 1 air-intake protective grid ● 1 torque-measurement pick-up |
|--|--|

TRANSMISSION SYSTEM

- | | |
|--|---|
| <ul style="list-style-type: none"> ● 1 main gearbox, anti-vibration mounted, with oil sight gauge, chip detector, oil temperature and pressure switches, port for endoscope and self-sealing valve for oil sampling and draining ● 1 main gearbox oil cooling system ● 1 engine to main gearbox coupling shaft ● 1 rotor brake | <ul style="list-style-type: none"> ● 1 main rotor high and low r.p.m. warning device ● 1 tail drive carried by five anti-friction bearings ● 1 tail gearbox with oil sight gauge, chip detector and port for endoscopic inspection |
|--|---|

ROTORS AND FLIGHT CONTROLS

- | | |
|--|---|
| <ul style="list-style-type: none"> ● 1 main rotor with 3 composite-material blades around a STARFLEX[®] head fitted with spherical thrust bearings ● 1 anti-torque rotor with 2 composite-material blades | <ul style="list-style-type: none"> ● 3 main rotor hydraulic servo units ● 1 tail rotor hydraulic servo unit |
|--|---|

ELECTRICAL INSTALLATION

- | | |
|--|---|
| <ul style="list-style-type: none"> ● One 150 A, 28 V DC starter-generator ● One 15 A.h cadmium-nickel battery ● 1 ground power receptacle ● 3 position lights (LED) ● 1 flashing anti-collision light (LED) ● 2 fixed landing lights | <ul style="list-style-type: none"> ● 2 cabin dome lights ● 1 integrated instrument-panel lighting system ● 1 integrated lighting in central console ● 1 emergency and reading map light ● 2 cockpit breaker panels ● One 28 V DC cabin power outlet |
|--|---|

AIRBORNE KIT ¹

- | | |
|---|--|
| <ul style="list-style-type: none"> ● 1 port plug (pitot) ● 2 static port stoppers ● 1 engine air-intake blanking cover ● 1 exhaust pipe blank ● 2 hydraulic ground handling wheels ● 1 cargo net and rope | <ul style="list-style-type: none"> ● 2 upper mooring rings ● 1 lifting ring ● 3 main-blade socks and pole ● 1 tail rotor locking device ● 1 document holder ● 1 airborne kit stowage bag |
|---|--|

¹ Weight not included in baseline aircraft empty weight.



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