



New H125 Helicopters

General info

Manufacturer	Airbus Helicopters
Model	H125 (B3 23.100.02 E)
Year	2024
Engine type	Safran ARRIEL 2D

Highlights

- Dual Hydraulics
- Air-condition
- Basic utility or passenger machine



Detailed Configuration

- A/C delivered with paint (choice of customer)
- Kit to increase Internal Gross Weight to 2370 kg (5,225 lb), including the Dual hydraulic circuit
- Engine exhaust area black thermal painting
- Enhanced Engine Air Particle Separator
- Heavy-duty blade pins
- Air conditioning system (Condenser in tail boom) - RSG
- Dual controls
- Starter generator Skurka 200a, instead of Skurka 150a in baseline
- RH side electric and de-iced external mirror - Fixed Parts
- Cargo swing (1400 kg - 3,080 lb) - Fixed Parts
- LH landing light (swiveling in elevation and azimuth)
- ICS installation compatible with Bose Aviation X headset
- Light Data Recorder (LDR)
- VEMD data download kit

Price on request

Contacts



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1.1. Helicopter Technical Definition

1.1.1. Baseline Helicopter Definition

The helicopter in the definition, presented hereafter, meets the certification standards for day and night VFR operations, set by the following airworthiness authorities: EASA, FAA, TCCA, ANAC, CAAC, FATA. This list is not restrictive and the status of approval by other airworthiness authorities must be checked. Additional equipment item may be required by the relevant operational or certification regulation (most of them are available in catalogue). H125 is the commercial name of the model referred to as AS350 B3 in the Type Certificate.

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-position 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



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INSTRUMENTS

- 1 Integrated Flight Display: Primary Flight Display /Navigation Display (PFD/ND):
 - Primary flight data display: airspeed, vertical speed, attitude, altitude, T&B, HSI with VOR
 - Navigation Display
 - ◆ Nav data, flight plan
 - ◆ high resolution helicopter dedicated terrain & obstacle database
- 1 LCD dual RPM tachometer (rotor and free turbine)
- 1 warning panel
- 1 heated pitot head
- 1 external side slip indicator
- 1 control box for light and electrical generation
- 1 ICS connection to audio warning issued from VEMD®
- 1 cockpit imaging and flight data monitoring device
- Standby instruments:
 - 1 Electronic Standby Instrument (ESI)
 - 1 magnetic compass
- Wireless Airborne Communication System (wACS)
- 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 cycle counting
 - ◆ engine power check
 - ◆ overlimit display
 - VEMD and peripheral maintenance information
 - Data downloading capability (software and connection wire as option)

AVIONICS

- 1 Emergency Locator Transmitter
- 1 VHF/VOR/LOC/GS
- 1 VHF/VOR/LOC/GS/GPS
- 1 ICS + passenger interphone
- 1 transponder (mode S – ADSB-out)
- 1 avionics master switch

POWER PLANT

- 1 ARRIEL 2D turbine engine complete with starting, fuel supply and dual channel digital engine control system (FADEC) with back-up control system that automatically controls the engine in case of a total failure of the 2 digital channels of the FADEC
 - Full available engine power of ARRIEL 2D
 - 1 Crash Resistant Fuel System including 1 tank of 540 liters (143 US gal) total capacity
 - 1 twist grip on pilot side (for engine reduction in case of tail rotor failure and autorotation training)
 - 1 magnetic plug and 1 chip detector
 - 1 engine lubrication and oil cooling system
 - 1 fire detection system
 - 1 air-intake protective grids
 - 1 torque-measurement pick-up
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TRANSMISSION SYSTEM

- 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
 - 1 main rotor r.p.m. sensor and 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
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ROTOR AND FLIGHT CONTROLS

- 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
 - 3 main rotor hydraulic servo units
 - 1 tail rotor hydraulic servo unit and load compensation systems
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ELECTRICAL INSTALLATION

- One 150 A, 28 V DC starter-generator
 - One 28 V DC cabin power outlet
 - 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
 - 2 adjustable emergency/reading map lights for crew
 - 2 adjustable reading lights for passengers
 - 1 integrated instrument-panel lighting system
 - 1 integrated lighting in central console
 - 2 cockpit breaker panels
 - 1 USB charging dual-outlet (instrument panel)
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AIRBORNE KIT¹

- 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
 - 2 upper mooring rings
 - 3 main-blade socks and pole
 - 1 tail rotor locking device
 - 1 lifting ring
 - 1 document holder
 - 1 airborne kit stowage bag)
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¹ Weight not included in baseline aircraft empty weight.



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Standard Helicopter

Basic Helicopter Components

00-10004-13-23	H125 Baseline Aircraft (125 B3 23.100.02 E)  <i>Includes VFR day and night avionics equipment</i>	1	1,282.35
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Sub-total weight¹: 1,282.35

Optional Items

General Equipment

05-01022-00-CI	Kit to increase Internal Gross Weight to 2370 kg (5,225 lb), including the Dual hydraulic circuit	1	11.00
05-25025-01-CI	Enhanced Engine Air Particle Separator <i>The sand filter is mandatory for flights in falling snow conditions.</i>	1	7.60
05-25029-00-CI	Heavy duty blade pins <i>Recommended for operations in sandy and abrasive conditions.</i>	1	0.00
05-37010-01-CI	Dual controls	1	3.40
05-63011-00-CI	Starter-generator Skurka 200A, instead of Skurka 150A in baseline <i>Recommended for frequent engine startings (>3 cycles per flight hour) or in case of multiple high energy consuming optionals</i>	1	1.50
05-42058-01-CI-STC	Air conditioning system (condenser in tailboom) – RSG <i>This STC is FAA and EASA certified. Leadtime for national certifications is available on request.</i>	1	44.90

Sub-total weight¹: 68.40



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Specific Mission Equipment

06-26004-01-FP	RH side electric and de-iced external mirror - Fixed Parts <i>Recommended for swing work.</i>	1	0.50
06-27056-00-FP	Cargo Swing Onboard (1,400 kg - 3,080 lb) - Fixed Parts	1	2.60
06-42005-00-CI	LH landing light (swiveling in elevation and azimuth) <i>May be a mandatory equipment, required by local airworthiness authorities or operational regulations.</i>	1	2.50

Sub-total weight¹: 5.60

Avionics

08-18037-00-CI	ICS installation compatible with Bose headset <i>Includes ICS stereo jacks : in addition to the standard jacks for pilot and copilot and in replacement of the standard jacks for passengers. Provides electrical supply for the use of Bose headset without battery pack.</i>	1	1.00
08-83017-00-CI	VEMD data download kit <i>Two software and connection cable. Allows compliance to EASA-OPS Part-CAT (EU Reg. n°965/2012) AMC2 CAT.POL.H.305(b) §(c): UMS required for "operations without an assured safe forced landing capability". Requires absolute time data from serviceable GPS.</i>	1	0.00
08-81047-01-CI	Lightweight Data Recorder (LDR) <i>It may be a mandatory equipment, required by local airworthiness authorities or operational regulations. Especially, it is required by EASA OPS for operations CAT and SPO from 5 September 2022.</i>	1	3.35

Sub-total weight¹: 4.35

Total weight¹: 1,360.70

¹ Weight tolerance: ±2%



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Specific Items


18-01125-01	A/C Delivered without external paint	1
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1.1.2. Package Content

COMMERCIAL REF (parent)	COMMERCIAL REF (subitem)	DESCRIPTION	QUANTITY
00-10004-13-23	00-10004-13-23	✪ H125 Baseline Aircraft (125 B3 23.100.02 E) <i>Includes VFR day and night avionics equipment</i>	
	06-67076-01-CI	Emergency locator transmitter - Kannad ↳ INTEGRA AP-H <i>2 Frequencies: 121.5 MHz (VHF), 406 MHz (COSPAS-SARSAT). The Programming Data Sheet must be filled and communicated by the customer two months at the latest before the helicopter's delivery.</i>	1
	08-11048-00-CI	VHF/VOR/LOC/GS - Garmin GNC 255A ↳	1
	08-16120-00-CI	Intercom system (ICS) - Garmin GMA 350H ↳ <i>Includes the passenger interphone function. ICS compatible with High level / High impedance headsets.</i>	1
	08-22078-04-CI	Transponder (mode S) - Garmin GTX 335R - ADS- ↳ B out <i>The mode S identification must be communicated by the customer two months at the latest before the delivery.</i>	1
	08-43065-04-CI	VHF/VOR/LOC/GS/GPS - Garmin GTN 650Xi ↳ <i>This equipment is delivered with the original NORTH ATLANTIC map. For any other region, specify it in the contract. Subscription for updates to be made by the customer.</i>	1



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COMMERCIAL REF (parent)	COMMERCIAL REF (subitem)	DESCRIPTION	QUANTITY
	08-65065-08-CI	Avionics display system Garmin G500H TXi  <i>Including:</i> - Display - PFD LH Unit - Air Data, Attitude and Heading Reference System unit (ADAHRS) - Magnetometer unit - Outside Air Temperature probe <i>This equipment is delivered with the original NORTH ATLANTIC map. For any other region, specify it in the contract. Subscription for updates to be made by the customer.</i>	1

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