



Mgr. Tomáš Kika



**LETECKÁ ZÁCHRANNÁ
SLUŽBA PELIKAN 1 & 2**





70% primárne zásahy
30% sekundárne zásahy



H145 FOR AIR MEDICAL SERVICES

Airbus Helicopters is the market leader in the Emergency Medical Services (EMS) segment, holding a more than 60% share. With planned delivery in 2014, the H145 builds upon Airbus Helicopters' comprehensive understanding and know-how in this sector. This helicopter, with its low operating costs, will become the new reference in EMS.

SECONDARY MISSION

The H145 has excellent capabilities for inter-hospital transfer flights. The spacious cabin can be equipped with medical equipment up to high intensive care level, for example allowing neonatal transport (with incubators) and patient transport requiring extracorporeal membrane oxygenation or intra-aortic balloon pumping.

DIMENSIONS



H145 KEY FIGURES



Protection against foreign object damage

H145 preliminary test flight results are demonstrating a sound level which is 8.4 dbA lower than the limits set by the International Civil Aviation Organisation.

Composite tail boom

The more powerful Turbomeca Arriel 2E engines provide an increased operational performance of 25% on average.

Fenestron®

Airbus Helicopters' Fenestron® shrouded tail rotor replaces the conventional two-blade tail rotor of the earlier H145 model. It reinforces stability and safety on the ground and in the air, and leads to lower fuel usage, while providing powerful anti-torque performance.

COCKPIT

A modular state-of-the-art avionics suite incorporates three large displays and a four-axis autopilot. It provides an excellent human-machine interface, improved situational awareness, enhanced flight paths and safety, and a superior field of view for safe landings and take-offs.

Ergonomic, safe and easy rear and/or side loading capability.

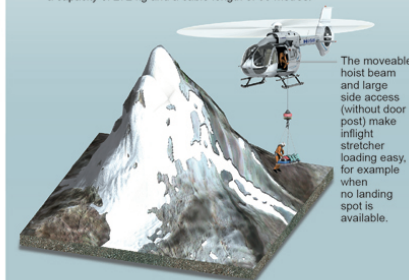
Stretcher

The large cabin offers easy access and an ergonomic working environment to perform emergency treatments such as CPR and intubation.

MOUNTAIN RESCUE



The H145 is equipped with a high-performance rescue winch with a capacity of 272 kg and a cable length of 90 metres.



The moveable hoist beam and large side access (without door post) make inflight stretcher loading easy, for example when no landing spot is available.

PRIMARY MISSION



The aircraft can land near the accident spot thanks to its high set main rotor and shrouded Fenestron®, as well as its compact external dimensions and advanced flight and navigation aid.

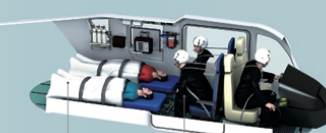
The large rear access with two wide clamshell doors enables quick and safe patient loading even while the rotor is turning.

DISASTER RELIEF

The H145 can perform rapid interventions in high-risk situations, adverse weather and catastrophes such as floods, earthquakes, landslides and heavy snowfall.



'Hot and high' and hover performance allow rescue missions even at extreme locations.



Up to 2 patients lying and 2-3 persons seated in the cabin.

Source: Airbus Helicopters Infographic: MATIA + SANTACRUZ

BK 117 D2 / AIRBUS H145T2

2x TURBOMECA ARRIEL 2E
á 1080 konských síl



GOODRICH 44301
90m / 272 kg



HELIONIX
4k autopilot, NVG certif.







**RAISE
FOR
CABLE
CUT**

OUT

BOOM

IN

05.1

CABLE METERS

OUT

CAUTION

REEL

OVERHEAT

IN









PELIKAN 1 HEMS

6 sedadiel + 1 nosidlá / vákuový matrac

- + záchranný vak TYROMONT & evakuačná šatka
- + alpinistický materiál (zima + leto)

Zdvojené medicínske vybavenie

- + monitor / defibrilátor SCHILLER Life Care 2
- + 2x BRAUN Perfusor SIPS
- + **primárny batoh** & **dýchací batoh**
- + LUCAS CPR
- + video laryngoskop McGRATH MAC
- + mobilný sonograf





WARNING: A. WASH
HANDS SA. DRY E. 10"
KEEP THE GLOVES ON. IN THE CAR
ON. AND TIE THEM



40 - 10000
30 - 10000

10000



SAFETY
PRECAUTIONS
OF THE
LIFE

ABOUT PRO LIFE CARE













ZÁKLADNÉ ZÁSADY

JEDNODUCHOSŤ

- variabilita záchranných zložiek
- jednotné postupy
- cockpit vs. kabína

VÝCVIK

- letový výcvik vlastného záchr. personálu
- letový výcvik partnerských zás. zložiek
- NVG

INOVÁCIE

- technológie novej generácie
- 145m long-line

















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