HELCOPTERS

Firefighting

AIRBUS
1. **FIREFIGHTING**
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6. **THE WORLD’S LEADING HELICOPTER MANUFACTURER**
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Wildfires are progressively becoming larger, faster-spreading, and more difficult to control. Climate change is one reason for this. Hotter global temperatures have created drier conditions, sapping vegetation’s moisture. Depopulation of rural environments and the shift away from mountain living, as well as human actions, are some factors that make the new generation of fires more difficult to control.

Firefighting, traditionally considered to be just one of the many aerial roles of helicopters and aircraft, is now becoming one of their most critical tasks, especially during dry seasons.
MISSION EFFICIENCY

Helicopters are a major asset to any fire brigade, offering:

All terrain, all weather capabilities.

Immediate proximity to the place of intervention: dropping water, foam or fire-retardant every 5 to 10 minutes with high reactivity and the capacity to reload and perform drops in all areas and type of terrains.

Precision and effectiveness.

Rapid transportation of firefighters with equipment to the required areas and quick extraction in case of danger.

Overhead observation and guidance during an intervention providing a unique perception of the situation.

Night firefighting capability.

Urban firefighting capability: approaching the challenge to combat the increasing urban and industrial risks, along with firefighting units.
MAIN MISSIONS

TRANSPORTS
Rapid transportation of firefighters to remote localized fire by means of airdrop, hoisting or rappelling.
Airlifting of equipment (chainsaw and/or other tools) to the edge of fire lines in areas which are remote or inaccessible by other means of transportation.

EVACUATION AND RESCUE
Evacuation or rescue of residents and injured firefighters around areas ablaze in a matter of minutes.

RECONNAISSANCE AND MAPPING
Early detection of fires before they spread too widely.
Mapping of fires in order to determine the perimeter and intensity thereof.

COMMAND AND COORDINATION
Providing ground forces with tactical coordination, real-time intelligence on fire behavior and critical access route information in terms of entering and exiting fire areas.

FIRE COMBAT
Dropping water, foam or fire-retardant on, or in front of fires to reduce or halt the spread thereof and secure surrounding areas.
BELLY TANK

HELIBASKET

WATER CANNON

HIGH VISIBILITY KITS

WATER BUCKET
(including or excluding pump)

WATER BOMBING KIT
MAIN EQUIPMENT

SIRENS

CARGO SWING

EXTERNAL MIRROR

BUBBLE WINDOWS

CABLE CUTTER
A HELICOPTER FOR EVERY MISSION

Data in baseline configuration

<table>
<thead>
<tr>
<th>Model</th>
<th>MTOW (internal)</th>
<th>External load</th>
<th>Seats (up-to)</th>
<th>Maximum range</th>
<th>Maximum endurance</th>
</tr>
</thead>
<tbody>
<tr>
<td>H125</td>
<td>2,370 kg (5,225 lb)</td>
<td>1,400 kg (3,086 lb)</td>
<td>1 + 5</td>
<td>620 km (335 NM)</td>
<td>4 h 20 min</td>
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<tr>
<td></td>
<td>2,500 kg (5,512 lb)</td>
<td>1,500 kg (3,307 lb)</td>
<td>2 + 4</td>
<td>615 km (332 NM)</td>
<td>4 h 00 min</td>
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<tr>
<td>H130</td>
<td>2,980 kg (6,570 lb)</td>
<td>1,200 kg (2,646 lb)</td>
<td>1 + 7</td>
<td>672 km* (449 NM*)</td>
<td>4 h 46 min*</td>
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<tr>
<td>H135</td>
<td>3,800 kg (8,378 lb)</td>
<td>1,600 kg (3,527 lb)</td>
<td>2 + 6</td>
<td>832 km* (493 NM*)</td>
<td>4 h 31 min*</td>
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<tr>
<td>H145</td>
<td>6,050 kg (13,338 lb)</td>
<td>2,700 kg (5,952 lb)</td>
<td>1/2 + 8</td>
<td>381 km (255 NM)</td>
<td>4 h 12 min</td>
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<tr>
<td>H160</td>
<td>7,800 kg (17,196 lb)</td>
<td>1,600 kg (3,527 lb)</td>
<td>1/2 + 10</td>
<td>1,120 km</td>
<td>6 h 09 min</td>
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<tr>
<td>H175</td>
<td>8,600 kg (18,960 lb)</td>
<td>2,700 kg (5,952 lb)</td>
<td>2 + 18</td>
<td>1,241 km* (670 NM*)</td>
<td>6 h 35 min*</td>
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<tr>
<td>H215</td>
<td>11,160 kg (24,604 lb)</td>
<td>1,600 kg (3,527 lb)</td>
<td>1/2 + 17/20</td>
<td>1,107 km* (598 NM*)</td>
<td>5 h 32 min*</td>
</tr>
<tr>
<td>H225</td>
<td>11,160 kg (24,604 lb)</td>
<td>2,700 kg (5,952 lb)</td>
<td>1/2 + 19/22</td>
<td>1,107 km* (598 NM*)</td>
<td>—</td>
</tr>
</tbody>
</table>

MTOW: Maximum Take-Off Weight

* With pressure refueling
**H125 H130**

**THE BENCHMARK**
A legendary proven helicopter to fight the blazes at the earliest moment

**Capable**
- 1.4 t / 1.5 t underslung load
- High & hot capabilities
- Night firefighting capability

**Safety**
- Proven reliability and crashworthiness

**Easy & Multipurpose**
- 500+ optional equipment & STCs
- Modular, open-space cabin

**Profitable**
- Operators’ first choice: 60% market share
- Lowest acquisition & running costs

STC: Supplemental Type Certificate
H135
THE SPECIALIZED TWIN
A cost efficient light twin for every rescue mission

- Economically Sustainable
  - Lowest acquisition & operation costs for a twin

- Proven
  - >1,400 H/C
  - >5 million FH
  - Up to 99% availability

- Mission Capable
  - Latest technology: Helionix®, 4-axis AFCS
  - Night firefighting capability

H/C: Helicopter
FH: Flight Hours
AFCS: Automatic Flight Control System
**H145**

**THE TWIN WORKHORSE**

Innovation & performance dedicated to disaster relief response

**Versatile**
- Wide open-space cabin, clamshell doors, small D-value

**Dominant**
- Outstanding performances in AEO & OEI

**Safety**
- Many features design such as Fenestron®

**Mission Efficiency**
- Night firefighting capability

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AEO: All Engines Operative
OEI: One Engine Inoperative
H160
THE MULTIPURPOSE
H160 is an highly flexible aircraft with the latest Airbus’ innovation

Innovation at your service

Game-changing support concept

Safety enhancer

Right economic balance

Night firefighting capabilities
H175
MULTIROLE ASSET
The H175 is the multi-purpose answer for firefighting

Firefighting Capability
· Cargo sling capability up to 2.7 tons
  for a Bambi bucket or other
  firefighting equipment
· Night firefighting capability

Troop Transportation
· Transport up to 18 firemen
  with equipment

Extended Capability
· Deployment or emergency
  extraction by hoisting
WHEN THE BEST OF RUGGEDNESS MEETS THE BEST OF TECHNOLOGY

“Flying Crane” ideal for firefighting

More water dropped
- Per mission flight

The lowest operating cost
- Per metric tons of water

Multiple firefighting solutions
- Water bucket or belly tank
- Capability to carry up to 4,300 L

Night firefighting capability

Transport of troops
HEAVY SUPPORT FOR FIRST RESPONDERS
Heavy lift long range champion

Multiple Firefighting Capability
- Water bucket, water cannon or belly tank
- Capability to carry up to 4,500 L
- Ability to deliver 90,000 liters of water in 2 hours (OAT 35° fire @ 5NM)

Quick start procedure (4 minutes) and fast cruise

Longest range in its category
- With equal water tank capacity

Night firefighting capability

Transportation of troops
Cat.A certified

OAT: Outside Air Temperature
Airbus Helicopters’ leading positioning on the public services market confirms that the company’s helicopter range brings the right capabilities to the specific missions in the public services community.