H135 Retrofit
Fly High & Hot
H135 Retrofit

FLY HIGH & HOT

POWER
PERFORMANCE
PRECISION
PASSION
QUALITY
RELIABILITY
ROBUSTNESS
SAFETY
H135 RETROFIT – A BOOST FOR THE PERFORMANCE AND MARKET VALUE OF YOUR EC135 HELICOPTER

- New upgraded main rotor with more thrust
- Two updated engines
- Higher rotor RPM for more thrust at high altitude
- Lateral air intakes improve air flow to the engine for better performance
With over 3.5 million flight hours in worldwide operation and an ongoing evolution of the aircraft you can:

► Still count on a high quality of build standard backed by people who design and build your aircraft with passion and precision,
► Perform your operations thanks to the aircraft’s outstanding performance and reliability which have become a standard in the helicopter industry,
► Rely on the H135’s high standard of safety and crash worthiness,
► Expect the lowest operating cost in the light twin helicopter together with a low depreciation of the aircraft value,
► Always expect continuous efforts to provide you with state-of-the-art design and aircraft improvements,
► Benefit from the lowest external sound level in the light twin market,
► At any point in time, count on Airbus Helicopters’ dedicated support to keep your aircraft flying.

Facts and features

► MTOW increase to 2980 kg
► Best-in-class on external sound level
► Significant performance increase, especially in high and hot conditions
► More safety margin at low altitudes and max take-off weight
► New main rotor blades with reinforced blade tips to protect against foreign object damage
► Improved aerodynamics providing increased hover stability in cross wind conditions
► Digital 3-axis auto pilot with new maintenance mode
► Increased Center of Gravity range for increased mission flexibility
H135 RETROFIT
MAIN IMPROVEMENTS
**AN AIRCRAFT WITH MORE POWER HIGH AND HOT, MORE PAYLOAD**

<table>
<thead>
<tr>
<th></th>
<th>H135</th>
<th>Delta vs EC135 T2/P2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTOW</td>
<td>2,980 kg</td>
<td>+30 kg</td>
</tr>
<tr>
<td>HOT &amp; HIGH</td>
<td>Sea level</td>
<td>+30 kg</td>
</tr>
<tr>
<td>6,600 ft (ISA +20)</td>
<td></td>
<td>+200 kg</td>
</tr>
<tr>
<td>2,000 ft (ISA +35)</td>
<td></td>
<td>+180 kg</td>
</tr>
<tr>
<td>Sea level, ISA (MTOW)</td>
<td>+70 kg</td>
<td></td>
</tr>
<tr>
<td>Sea level, ISA +20 (2,950 kg)</td>
<td>+90 kg</td>
<td></td>
</tr>
<tr>
<td>2,000 ft, ISA</td>
<td>+100 kg</td>
<td></td>
</tr>
<tr>
<td>1,000 ft, ISA +20</td>
<td>+115 kg</td>
<td></td>
</tr>
<tr>
<td>4,000 ft, ISA</td>
<td>+135 kg</td>
<td></td>
</tr>
<tr>
<td>2,000 ft, ISA +20</td>
<td>+155 kg</td>
<td></td>
</tr>
<tr>
<td>Hover OEI (2 min-power, Sea Level, ISA)</td>
<td>2,700 kg</td>
<td>+55 kg</td>
</tr>
<tr>
<td>Service Ceiling (climb reserve 200ft/min, ISA)</td>
<td>16,350 ft</td>
<td>+8,400 ft</td>
</tr>
<tr>
<td>Max Density Altitude</td>
<td>16,000 ft</td>
<td>+1,000 ft</td>
</tr>
</tbody>
</table>

**AND THE BEST-IN-CLASS SOUND LEVEL**

<table>
<thead>
<tr>
<th></th>
<th>FAR Stage 2 / ICAO § 8.4.1 limit (db)</th>
<th>H135 (db)</th>
<th>Δ (db)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAKEDOFF</td>
<td>94.8</td>
<td>86.1</td>
<td>-8.7</td>
</tr>
<tr>
<td>FLYOVER</td>
<td>93.8</td>
<td>82.7</td>
<td>-11.1</td>
</tr>
<tr>
<td>APPROACH</td>
<td>95.8</td>
<td>90.3</td>
<td>-5.5</td>
</tr>
<tr>
<td>Average</td>
<td>94.8</td>
<td>86.3</td>
<td>-8.4</td>
</tr>
</tbody>
</table>
YOU CAN NOW RETROFIT YOUR EC135 TO THE H135 STANDARD
Please refer to the following table for retrofit possibilities.

<table>
<thead>
<tr>
<th></th>
<th>EC135 P1 CDS</th>
<th>EC135 T1 CDS</th>
<th>EC135 P1 CDPS</th>
<th>EC135 T1 CDPS</th>
<th>EC135 P2</th>
<th>EC135 T2</th>
<th>EC135 P2+</th>
<th>EC135 T2+</th>
</tr>
</thead>
<tbody>
<tr>
<td>with IBF</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>without IBF</td>
<td>No*</td>
<td>Yes</td>
<td>No*</td>
<td>Yes</td>
<td>No*</td>
<td>Yes</td>
<td>No*</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Certification still outstanding

** IBF = Inlet Barrier Filter

Protect your engines with the Inlet Barrier Filter (IBF) which has a filtration rate of 99.8%, thus eliminating the risk of Foreign Object Damage and premature engine wear.

Once an aircraft is already in a P2/T2 configuration the conversion can be carried out by any approved maintenance center with a customized Service Bulletin for each individual aircraft.

For all aircraft with an earlier build status, the respective SB compliance requirements apply.

The duration of the retrofit depends on the starting configuration of the helicopter and the target configuration (with or without IBF). As an approximate time span, 20 working days can be expected for a retrofit with minimum content, up to 60 days for the most extensive retrofit (EC135 T1 CDS to H135).

Benefit from the latest standards and convert your helicopter into an H135 for better performance and a higher resale value.

EC135 to H135 Retrofit … CONVERT … and …

FLY HIGH & HOT
POWER
PERFORMANCE
PRECISION
PASSION
QUALITY
RELIABILITY
ROBUSTNESS
SAFETY
For more information, please contact:
marketing.helicopters@airbus.com

For all your Customer Service needs:

Toll free* : + 800 55 55 97 97
Toll free** USA: + 1 800 267 8371
Other countries: + 33 (0)4 42 85 97 97
Fax: + 33 (0)4 42 85 99 96
Email: customersupport.helicopters@airbus.com

* Free phone call for the following countries:
Argentina, Australia, Austria, Belgium, Canada, Denmark,
Finland, France, Germany, Hong-Kong, Hungary, Ireland,
Israel, Italy, Japan, Korea, Luxembourg, New Zealand,
Norway, People’s Republic of China, Portugal, Spain,
Sweden, Switzerland, The Netherlands, United Kingdom.

** Free phone call for United States