



Service

H135 Retrofit

Fly High & Hot

AIRBUS



SOCCORSO
RETTUNG

EC135

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DOLOMITES

LANDESFUGRETTUNG
ELISOCCORSO PROVINCIA

Raiffeisen

Assinoco

POWER
PERFORMANCE
PRECISION
PASSION
QUALITY
RELIABILITY
ROBUSTNESS
SAFETY



H135 Retrofit

FLY
HIGH &
HOT

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

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

AND THE BEST-IN-CLASS SOUND LEVEL

	FAR Stage 2 / ICAO § 8.4.1 limit (db)	H135 (db)	Δ (db)
TAKEOFF	94.8	86.1	-8.7
FLYOVER	93.8	82.7	-11.1
APPROACH	95.8	90.3	-5.5
Average	94.8	86.3	-8.4



YOU CAN NOW RETROFIT YOUR EC135 TO THE H135 STANDARD



▶ Please refer to the following table for retrofit possibilities.

	EC135 P1 CDS	EC135 T1 CDS	EC135 P1 CDPS	EC135 T1 CDPS	EC135 P2	EC135 T2	EC135 P2+	EC135 T2+
with IBF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
without IBF	No*	Yes	No*	Yes	No*	Yes	No*	Yes

* 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



EC135

www.lbp.co.uk

Raiffeisen

Assmann

I-ALUT

SEL

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LANGESSEL

POWER
PERFORMANCE
PRECISION
PASSION
QUALITY
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SAFETY



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Sweden, Switzerland, The Netherlands, United Kingdom.

** Free phone call for United States

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