

H135 Airbus Helicopters: the world's military training helicopters of choice

From 1977 to 2033: more than half a century of UK military flight training aircraft

Key figures

Maximum Take Off Weight (MTOW)



2,980 kg

Maximum range



609 km / 329 NM

Maximum Speed



278km/h / 140 kts

Increased payload: The H135 offers notable improvements in terms of performance¹ in comparison to previous versions (all under ISA+20 conditions):

- Hover out of ground effect: +200 kg at 6 600 feet
- Single-engine operation/CAT A: +90 kg at sea level +113 kg at 1 000 feet +154kg at 2 000 feet

1) Depending on the engine version. The preliminary figures and the complete flight envelope will be made available after flight testing.

Airbus Helicopters Selected for UK's Military Flying Training System

H135

29



H145

3



17 years

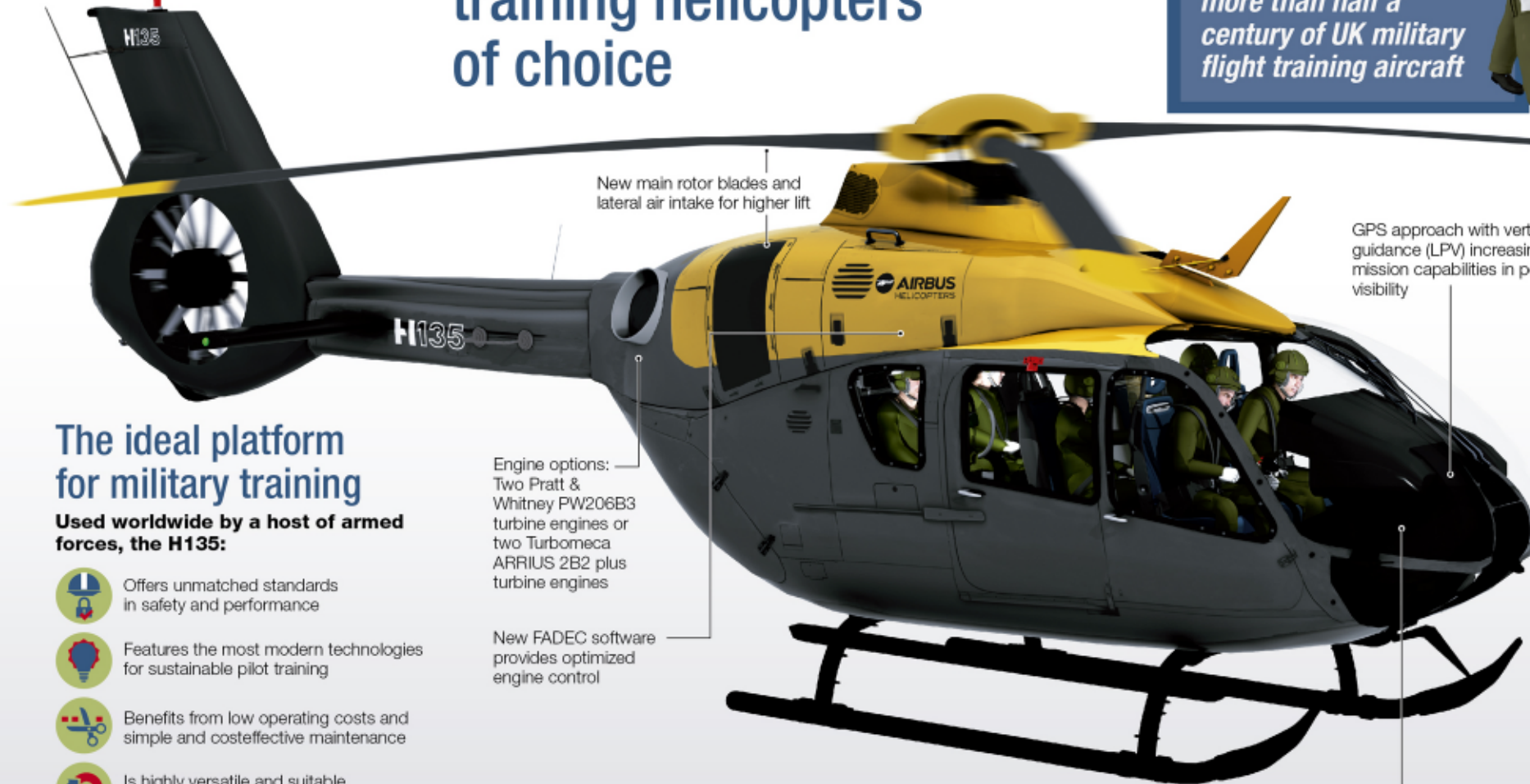
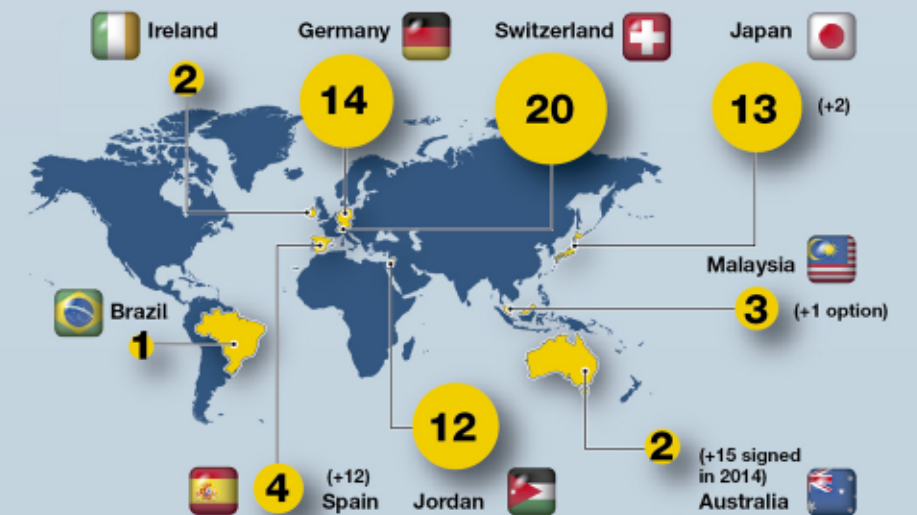
Per year

28,000 flight hours

120 pilots

80 rear crew

H135 Military Training Helicopter



New main rotor blades and lateral air intake for higher lift

GPS approach with vertical guidance (LPV) increasing mission capabilities in poor visibility

Engine options: Two Pratt & Whitney PW206B3 turbine engines or two Turbomeca ARRIUS 2B2 plus turbine engines

New FADEC software provides optimized engine control

Cockpit features the fully integrated navigation, communication and GPS avionics solution GTN750 from Garmin

The ideal platform for military training

Used worldwide by a host of armed forces, the H135:

- Offers unmatched standards in safety and performance
- Features the most modern technologies for sustainable pilot training
- Benefits from low operating costs and simple and cost-effective maintenance
- Is highly versatile and suitable for a variety of training needs

Helionix®

The Automatic Flight Control System (AFCS), ensures complete control over the flight envelope.

Airbus Helicopters' fully integrated digital cockpit and avionics minimises the number of parts, reducing weight as well as maintenance

By integrating the HTAWS and SVS systems, Helionix helps increase Situational Awareness and avoids risk of collision with air or ground-based objects and obstacles

The cutting-edge Human-Machine Interface (HMI) displays all flight parameters and flight management data on a single screen

The highly redundant system is automatically reconfigured if a malfunction should occur in one of the components, quickly restoring equivalent functions without requiring pilot intervention

Helionix® is now certified for H175 and H145 and will soon equip the H160 and H135.

H175



H145



H160



H135



Source: Airbus Helicopters

Infographic: beatrizsantacruz.com ©