

EC645 T2



The Light Battlefield Support Helicopter

The EC645[®] T2 is Airbus Helicopters' latest medium sized military multirole helicopter, offering great power, range, endurance and payload capacity, when operating in 6,000 ft altitude and 95 deg.F environments, commonly known as "6K/95 high & hot" conditions.

The versatile EC645 T2 is based on the ruggedness, low operating cost and high mission reliability of the certified EC145 – in service in the US Army as UH-72A Lakota (availability >90%) – enhanced by two Turbomeca Arriel 2E engines including dual channel FADEC, a Fenestron[®] tail rotor for improved anti-torque, an upgraded transmission, a latest technology glass cockpit and avionics suite – Helionix[®] - coupled to the 4-axis digital autopilot system.

The EC645 T2 with its spacious cabin optimized by a rear access can be fitted with a wide selection of armament, ranging from ballistic to guided ammunition, providing outstanding flexibility for all military missions from light utility to light attack.



MISSION VERSATILITY

- Armed Scout
- Special Operations
- Light Attack
- SAR
- MEDEVAC/CASEVAC
- Maritime
- C3i

ROOMY CABIN

- 10 troops capability
- Excellent access from both sides and rear
- Unobstructed flat floor with rails
- Excellent exterior visibility

STABLE AND ACCURATE FIRING PLATFORM

- Mission computer
- Multi-purpose pylons with slaving and release units
- IR / TV Electro Optic System
- Night Vision Goggle compatible (NVG)
- Laser range finder / designator / pointer

HIGH SURVIVABILITY

- Agile, low signature
- Ballistic Protection
- IR Suppressor
- Self-Sealing Supply Tanks
- High crashworthiness (fuselage, seats and fuel cells)
- Electronic Warfare System (EWS)
- Redundancy



BALLISTIC & GUIDED WEAPONS

- 12- or 7-tube rocket launcher
- 20 mm cannon pod
- 12.7 mm machine gun pod
- Air-to-ground missiles
- Growth potential for laser guided rocket

DIMENSIONS

Length (rotor rotating)	44.72 ft	13.63 m
Fuselage length	38.35 ft	11.69 m
Height	13.12 ft	4 m
Main rotor diameter	36.09 ft	11 m
Width (blades folded)	8.89 ft	2.71 m

CAPABILITIES

Max takeoff weight (MTOW)	8,157 lb	3,700 kg
Useful Load	3,900 lb	1,769 kg
Sling load	3,307 lb	1,500 kg

Max seating: 1 / 2 pilots + 10 / 9 troops

ENGINE

2 Turbomeca ARRIEL 2E turboshaft engines		
Maximum Continuous Power (MCP)	2 x 771 shp	2 x 575 kW
Takeoff Power (TOP)	2 x 894 shp	2 x 667 kW
2 min One Engine Inoperative (OEI)	1 x 1,038 shp	1 x 775 kW
30 sec OEI-power	1 x 1,072 shp	1 x 800 kW

PERFORMANCE AT MTOW

Speed (Vne)	250 km/h	135 kts
Fast Cruise speed (Vh)	244 km/h	132 kts
Maximum range	662 km	57 NM
Hover ceiling OGE (TOP), ISA	2,700 m	8,858 ft

