

AW109 Trekker

HELICOPTERS DIVISION





AW109
TREKKER

RUGGED AND RELIABLE

DISCOVER THE AW109 TREKKER

The AW109 Trekker is a new multi-role light twin engine helicopter developed to provide the perfect solution for the most demanding missions in a variety of roles.

Productiveness is guaranteed by outstanding performance, payload and a wide cabin space that enables quick role changes. The helicopter is ideally suited to a wide range of missions that require best-in-class lifting capability, alongside superior range and performance.





ADVANCED AVIONICS

The AW109 Trekker features a modular state-of-the-art Genesys Aerosystems glass cockpit. The configuration can be customised to better meet customers' mission requirements: single or dual pilot VFR or IFR.

Each configuration provides:

- › Ergonomic and low workload cockpit layout
- › Two large format 6" x 8" EFIS displays providing Primary Flight Display (PFD) and Multi-Function Display
- › (MFD) information for Single Pilot VFR and IFR options only
- › Co-pilot 6" x 8" Primary Flight Display available upon request
- › Integrated 3D Synthetic Vision with Highway-In-The-Sky (HITS) navigation
- › Integrated Helicopter Terrain Awareness Warning System (HTAWS) with worldwide terrain and obstacle database
- › Fully capable moving map
- › Dual VHF/AM, dual VOR, GPS, ESIS
- › Global Positioning System (GPS) augmented by the Wide Area Augmentation System (WAAS)
- › Mode S transponder
- › Integrated TAS capability





MISSION EQUIPMENT

- › 177 or 213 USgal crash-resistant fuel system
- › 3-axis autopilot coupled to the GPS
- › Reinforced windshields
- › Cargo hook (1,250 kg)
- › Dual cargo hook (1,250 kg/500 kg)
- › Rappelling hooks (2 LH + 2 RH)
- › External hoist (272 kg/600 lb)
- › External loudspeakers
- › Searchlight
- › Engine air particle separator
- › Emergency floats
- › Life rafts
- › EO/IR Camera
- › Mission console
- › Foldable stretchers
- › Bearpaws

CAPABILITY BEYOND THE NORM

- › Up to 30 min. dry-run transmission safety feature
- › Aluminum alloy “Cocoon type” crash resistance airframe
- › Modular crash-resistant fuel system
- › Rugged skid landing gear
- › Crash-resistant crew and passengers seats
- › Full Cat. A / Class 1 performance at MTOW also in hot environments (up to ISA+20°C)
- › Enhanced situational awareness to maximise safety levels

PERFORMANCE (ISA, MGW)

Max Cruise Speed (SL, MCP)

281 km/h (152 kt)

HIGE (TOP)

4,609 m (15,120 ft)

HOGE (TOP)

2,926 m (9,600 ft)

Maximum Range (5,000 ft)⁽¹⁾

833 km (450 nm)

Maximum Endurance

(5,000 ft)⁽¹⁾

4 hr 20 min

⁽¹⁾ with 634 kg usable fuel - no reserve



EXECUTIVE & PRIVATE TRANSPORT

- › Spacious cabin with effective soundproofing providing passengers with a quiet and comfortable flight
- › Wide sliding doors to guarantee easy access
- › Extended baggage compartment to offer a high capacity for personal luggage
- › A unique style through distinguished craftsmanship.

SECURITY SERVICES

- › Spacious cabin allows a quick role change and easy accommodation for tactical equipment
- › Low vibrations level ensures performing operation of dedicated mission equipment, such as IR camera, searchlight and mission console
- › Best-in-class speed to shorten the time to target
- › Unique effective troop insertion.



MEDICAL & RESCUE SERVICES

- › Spacious cabin to accommodate 1 stretcher + 3/4 medical attendants or 2 stretchers + 2 medical attendants, with full body access
- › Large sliding doors for easy loading and unloading
- › Low level of vibrations to ensure the maximum comfort
- › Unrivalled speed allowing medical personnel to get the patient to the medical facility faster.

UTILITY

- › Flexible cabin layout rapidly reconfigurable to meet all mission requirements
- › Best-in-class sling load capacity even in hot & high conditions
- › Outstanding controllability, manoeuvrability and power margin to maximise safety in aerial work.



3.9 m³

Cabin volume (137.7 ft³)

0.83 m³

Baggage volume (29.3 ft³)

Capacity

Crew 1 to 2

Passengers up to 7

AW109 TREKKER CHARACTERISTICS

WEIGHT (MGW)

- › Internal loads 3,175 kg (7,000 lb)
- › External loads 3,350 kg (7,385 lb)

PROPULSION

- › Powerplant: 2 x Pratt & Whitney Canada PW207C

DIMENSIONS

- › Overall length ⁽¹⁾ 12.96 m (42 ft 06 in)
- › Overall height ⁽¹⁾ 3.60 m (11 ft 09 in)

⁽¹⁾ Rotors turning



Leonardo Helicopters is making significant changes to the provision of its Customer Support and Training services. Leonardo Helicopters has launched a companywide “TeamUp” initiative spanning the entire breadth of the Support and Training delivery activity.



SUPPORT SOLUTIONS

The Leonardo Helicopters Customer Support & Training worldwide network delivers an extensive range of support solutions that are tailored to meet the Customers’ unique requirements ranging from routine spares & repairs, component availability solutions and frontline manpower support through to fully Integrated Operational Support solutions.

OUR MOBILE APPS - STAY TUNED!



AW TeamUP



AW Training



Heliwise



Skyflight Mobile

TRAINING SOLUTIONS

Leonardo Helicopters designs, develops and delivers integrated training solutions and services for our helicopters in the live and virtual training domains, from type conversion through to full operational and mission capability.

ADVANCED SERVICES

Leonardo Helicopters continues to focus and improve the Customer’s experience, leveraging on innovation and latest technology, to deliver the best services and solutions in its class. Skyflight Mobile and Heliwise represent our key advanced services, which provide Customers with cutting-edge solutions to perform flight planning activities and HUMS data analysis.



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