

AgustaWestland
AW109 Trekker



 **LEONARDO**
HELICOPTERS



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.

Superb productiveness is guaranteed by outstanding performance, payload and by a cabin space that enables quick role change to satisfy different mission requirements.

Our Customer Support & Training Global Network provides AW109 Trekker operators a range of Service Plans and a state-of-the-art training capability, maximising operational safety and availability.

Up to 30 min. dry-run transmission safety feature

Modular state-of-the-art Glass cockpit for VFR/IFR operations

3-axis AFCS coupled with Flight Director and GPS

Crash-resistant crew and passengers seats

Rugged skid landing gear

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 with ADS-B Out capability
- Integrated TAS capability



Fully articulated titanium rotor & composite main rotor blades

Powerful PW 207C turbo-shaft engines with FADEC

Aluminum alloy «Cocoon type» crash resistance airframe

Modular crash-resistant fuel system



EQUIPMENT

- 177 or 213 USgal crash-resistant fuel system
- 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



ENERGY SERVICES

- Category A Class 1 performance ensures the AW109 Trekker can safely take-off and land from very small oil rig
- No payload reduction up to ISA+20 (35°C @ SL) in Category A Vertical Take-off and Landing
- Excellent situational awareness, high power margin in all conditions and full crashworthiness provide maximum safety
- Excellent radius of action for mission effectiveness
- Lowest seat cost/nautical mile in its class.

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.

EMS AND 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.

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.



AW109 TREKKER CHARACTERISTICS

Weights (MTOW)

Internal loads	3,175 kg	7,000 lb
External loads	3,350 kg	7,385 lb

Propulsion

Powerplant	2 x Pratt & Whitney Canada PW207C	
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Capacity

Crew	1-2
Passenger seating	7-6

Dimensions

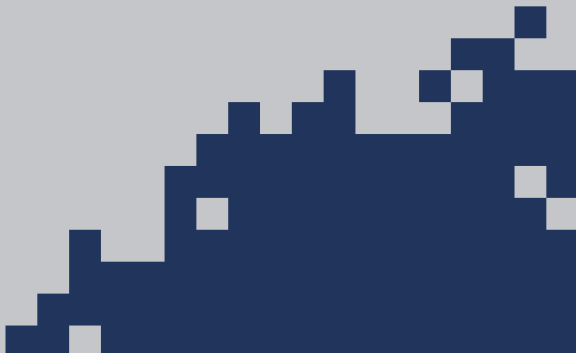
Overall length ⁽¹⁾	12.96 m	42 ft 06 in
Overall height	3.60 m	11 ft 09 in

Performance (ISA,SL, MTOW)

VNE (SL)	281 km/h	152 kt
Max Cruise Speed (MCP, SL)	281 km/h	152 kt
HIGE	4,633 m	15,200 ft
HOGE	2,926 m	9,600 ft
Maximum range ⁽²⁾	833 km	450 nm
Maximum endurance ⁽²⁾	4 h 20 min	

⁽¹⁾ Rotor turning

⁽²⁾ with 634 kg usable fuel, no reserve, @ 5,000





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