

AgustaWestland  
AW109 Trekker





**AW**109  
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, maximizing operational safety and availability.

## DISTINCTIVE FEATURES

30-minute MGB dry-run capability

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

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 certified according to CS/FAR 27.952

## ADVANCED AVIONICS

The AW109 Trekker installs a modular state-of-the-art Genesys Aerosystems glass cockpit. The configuration can be customized 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

## EQUIPMENT

- 177 or 213 USgal crash-resistant fuel system
- Reinforced windshields
- Cargo hook (1400 kg)
- Dual cargo hook (1400 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







## AW109 TREKKER CHARACTERISTICS

<b>Weights (MTOW)</b>		
Max Gross Weight (Int./Ext.)	3,175 / 3,400 kg	7,000 / 7,496 lb
<b>Propulsion</b>		
Powerplant	2 x Pratt & Whitney PW207C	
<b>Engine Ratings</b>		
AEO Take off power (5 min)	2 x 548 kW	2 x 735 shp
AEO Max Continuous Power	2 x 466 kW	2 x 625 shp
<b>Transmission Rating</b>		
AEO Take off power (5 min)	716 kW	960 shp
AEO Max Continuous Power	671 kW	900 shp
<b>Fuel Capacity</b>		
3-cell fuel system	575 l	152 USgal
4-cell fuel system	669 l	177 USgal
5-cell fuel system	805 l	213 USgal
<b>Crew</b>		
Pilots/Passengers	1-2 / 7-6	
Stretchers	1 or 2 pilots with 1 stretcher and 3/4 medical attendants 1 or 2 pilots with 2 stretcher and 2 medical attendants	
<b>External Dimensions</b>		
Overall length <sup>(1)</sup>	12.96 m	42 ft 06 in
Overall height (top of tail fin)	3.53 m	11 ft 07 in
<b>Performance (ISA, S.L., MTOW)</b>		
Max cruise speed	274 km/h	148 kt
Hovering IGE	4,724 m	15,500 ft
Hovering OGE	3,048 m	10,000 ft
Service Ceiling	4,846 m	15,900 ft
Max Range <sup>(2)</sup>	867 km	468 nm
Max Endurance <sup>(2)</sup>	4 h 38 min	

<sup>(1)</sup> Rotors turning

<sup>(2)</sup> with 634 kg usable fuel - no reserve - @ 5,000 ft

### 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, and big windows for an optimal working lighting
- 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.

### OFFSHORE

- Category A Class 1 performance ensures the Trekker can safely take-off and land from very small oil rig
- 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.

### LAW ENFORCEMENT

- 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.





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