

AgustaWestland
AW109 Trekker



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, 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

Weights (MTOW)

Max Gross Weight (Int./Ext.) 3,175 / 3,400 kg 7,000 / 7,496 lb

Propulsion

Powerplant 2 x Pratt & Whitney PW207C

Engine Ratings

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

Transmission Rating

AEO Take off power (5 min) 716 kW 960 shp
 AEO Max Continuous Power 671 kW 900 shp

Fuel Capacity

3-cell fuel system 575 l 152 USgal
 4-cell fuel system 669 l 177 USgal
 5-cell fuel system 805 l 213 USgal

Crew

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

External Dimensions

Overall length⁽¹⁾ 12.96 m 42 ft 06 in
 Overall height (top of tail fin) 3.53 m 11 ft 07 in

Performance (ISA, MTOW)

Max cruise speed (S.L.-MCP) 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⁽²⁾ 867 km 468 nm
 Max Endurance⁽²⁾ 4 h 38 min

⁽¹⁾ Rotors turning

⁽²⁾ 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.





Leonardo - Finmeccanica - Società per azioni

Registered Head Office:

Piazza Monte Grappa, 4 - 00195 Rome - Italy

Tel. +39 06 324731 - Fax +39 06 3208621

Leonardo Helicopters

Head Office:

Via Giovanni Agusta, 520 - 21017 Cascina Costa di Samarate - Italy

Tel. +39 0331 229111



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