

AgustaWestland
AW109 Trekker





An aerial photograph of a city, likely New York City, with a dark blue military jet flying overhead. The jet is viewed from a low angle, showing its underside and wings. It has a red, white, and blue striped pattern on the tail. The city below is a dense grid of skyscrapers. The sky is blue with some light clouds. In the top right corner, there is a decorative graphic of a blue and white pixelated staircase.

AW109
T R E K K E R

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	
------------	-----------------------------------	--

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





Leonardo - 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



© Leonardo - Società per azioni

This document contains information that is proprietary to Leonardo - Società per azioni and is supplied on the express condition that it may not be reproduced in whole or in part, or used for manufacture, or used for any purpose other than for which it is supplied.

AW109Trekker-Mk0518

leonardocompany.com