

RUGGED AND RELIABLE

DISCOVER THE AW109 TREKKER EMS

The AW109 Trekker is the newest light twin engine helicopter, equipped with skid landing gear, developed to provide the perfect solution for EMS operations.

High productivity, excellent flying qualities, high controllability and manoeuvrability, robustness and high inherent safety characterise the helicopter.

A spacious interior ensures successful completion of any EMS mission with access to the whole patient body.

AgustaWestland AW109 TREKKER EMS



DISTINCTIVE FEATURES

- Rugged skid landing gear
- State-of-the-art glass cockpit
- High payload.

ADVANCED AVIONICS

State-of-the-art Genesys Aerosystems glass cockpit

- 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
- 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
- Co-pilot 6" x 8" Primary Flight Display available on request.

VERSATILITY

- Ability to convert from 1 patient to 2
- Ability to configure for highly intensive medical procedures: i.e. ECMO or NeoNatal.

VALUE FOR MONEY

- Best in class payload, speed and full body access allows for the EMS operators to successfully get to and treat the patient in a timely and effective manner.

STATE-OF-THE-ART SAFETY

- High resistance cocoon-type airframe
- Crash resistant fuel system, crew and passengers seats
- Powerful PW207C turbo-shaft engines with FADEC
- Full Cat. A / Class 1 performance also in hot environments (up to ISA+20°C)
- Enhanced situational awareness to maximise safety levels
- 3-axis autopilot coupled to the GPS.

EXTENSIVE OPERATIONAL CAPABILITY

- Extended operating envelope (weight / altitude / temperature).



EMS TOP PERFORMER

- Versatile, high volume cabin, with space for 4 medical attendants and a single stretcher or 2 attendants in dual stretcher configuration, with full body access
- Comprehensive range of mission equipment including: Liquid or Gas Oxygen, suction, external rescue hoist, cable cutter, searchlight
- Large sliding doors allow for swift, easy loading and unloading of personnel
- More than 140 knots cruise speed, providing rapid response
- Excellent performance, including "CAT. A" up to maximum take-off weight, excellent flying qualities, high controllability and manoeuvrability enable operations in confined areas.



AW109 TREKKER CHARACTERISTICS

Weights

MTOW 3,175 kg 7,000 lb

Performance

VNE	311 km/h	168 kts
Hover IGE	4,724 m	15,500 ft
Hover OGE	3,048 m	10,000 ft
Rate of Climb (AEO)	9.1 m/s	1,793 ft/min
Service Ceiling (AEO)	4,846 m	15,900 ft
VTOL CAT. A	853 m	2,800 ft
Maximum Range (*)	713 km	385 nm
Maximum Endurance (*)	3 h 45 min	

Powerplant

Engines 2 x Pratt&Whitney Canada PW207C
 Power Rating - AEO Take-Off 2 x 548 kW 2 x 735 shp

Fuel Capacity

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

Seating

Crew / Passengers	1 or 2 pilots with 7 or 6 passengers
	1 or 2 pilots with 1 stretcher and 3/4 medical attendants
	1 or 2 pilots with 2 stretchers and 2 medical attendants

* with 525 kg usable fuel, no reserve, @ 5,000 ft



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