

AW109 Trekker

HELICOPTERS DIVISION

Emergency Medical
Services (EMS)





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.

DISTINCTIVE FEATURES

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

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).

ADVANCED AVIONICS

State-of-the-art Genesys Aerosystems glass cockpit

- › Ergonomic and low workload cockpit layout
- › Two large format 6" x 8" EFI S 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
- › Integrated TAS capability
- › Co-pilot 6" x 8" Primary Flight Display available on request.





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.



AW109 TREKKER CHARACTERISTICS

WEIGHTS

MGW 3,175 kg (7,000 lb)

PERFORMANCE (ISA, MGW)

VNE (SL) 281 km/h (152 kt)
 Max Cruise Speed (MCP, SL) 281 km/h (152 kt)
 HIGE (TOP) 4,609 m (15,120 ft)
 HOGE (TOP) 2,926 m (9,600 ft)
 Max Range (5,000 ft) ⁽¹⁾ 685 km (370 nm)
 Max Endurance (5,000 ft) ⁽¹⁾ 3 h 35 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

DIMENSIONS

- › Overall length ⁽²⁾ 12.96 m (42 ft 06 in)
- › Overall height ⁽²⁾ 3.60 m (11 ft 09 in)

⁽¹⁾ with 525 kg usable fuel - no reserve

⁽²⁾ Rotors turning

Leonardo Helicopters is making significant changes to the provision of its Customer Support and Training services. Leonardo Helicopters has launched a companywide “TeamUp” initiative spanning the entire breadth of the Support and Training delivery activity.



SUPPORT SOLUTIONS

The Leonardo Helicopters Customer Support & Training worldwide network delivers an extensive range of support solutions that are tailored to meet the Customers’ unique requirements ranging from routine spares & repairs, component availability solutions and frontline manpower support through to fully Integrated Operational Support solutions.

OUR MOBILE APPS - STAY TUNED!



AW TeamUP



AW Training



Heliwise



Skyflight Mobile

TRAINING SOLUTIONS

Leonardo Helicopters designs, develops and delivers integrated training solutions and services for our helicopters in the live and virtual training domains, from type conversion through to full operational and mission capability.

ADVANCED SERVICES

Leonardo Helicopters continues to focus and improve the Customer’s experience, leveraging on innovation and latest technology, to deliver the best services and solutions in its class. Skyflight Mobile and Heliwise represent our key advanced services, which provide Customers with cutting-edge solutions to perform flight planning activities and HUMS data analysis.



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Leonardo
Società per azioni
Registered Head Office:
Piazza Monte Grappa, 4
00195 Rome - Italy
T +39 06 324731

Leonardo Helicopters
Head Office:
Via Giovanni Agusta, 520
21017 Cascina Costa di
Samarate - Italy
T +39 0331 229111