

AgustaWestland AW169
Emergency Medical Services



AW169

NEXT GENERATION
VERSATILITY



THE LEADING EDGE HELICOPTER FOR EMS OPERATIONS

Belonging to the AW Family of products, the AW169 is ideally suited to life-saving primary and secondary missions and rescue services. The high-performance AW169 is easily adaptable, rapidly reconfigurable and uniquely designed around the patient needs, ensuring that air medical professionals can be there when it counts, providing the best care. Our Customer Support & Training Global Network provides AW169 operators a range of Service Plans and a state-of-the-art training capability, maximizing operational safety and availability.

DISTINCTIVE FEATURES

Modern P&W 210A Engines

Unique in class APU-mode

High Main and Tail Rotor configuration

Bright working environment

Wide doors and convenient cabin sill height

Unique Electrical Retractable Landing Gear

New 4th generation blades

New rotor design improves comfort and reduces maintenance

Unique AW proprietary Transmission Dry-Run technology

High external visibility in all circumstances

The most modern and comprehensive avionics suite

Fixed or Retractable Landing Gear configuration available

SAFETY AT THE CENTRE

Leonardo Helicopters is committed to providing the highest levels of safety in the most challenging environments.

Designed in accordance with the latest FAA / EASA Part 29 certification standards, the AW169 features:

- A crash-resistant airframe, fuel system and seats
- Large windows for emergency egress
- One engine inoperative (OEI) capability, even in challenging hot and high conditions.

Safety on the ground is enhanced by the high clearance of the main and tail rotors.

The auxiliary power unit (APU) mode ensures the continued operation of the environmental control system, radios and medical devices when the rotors are stopped.

ADVANCED EMS CAPABILITY

AW169 is designed to deliver superior performance and maximum versatility in the most demanding operating conditions, worldwide. Featuring:

- Full vertical Cat. A /Class 1 capability
- Outstanding performance in hot and high conditions
- High power margins for excellent hovering and controllability characteristics
- High cruising speed
- Maximized range and endurance
- Heavy-duty landing gear for unprepared terrains
- New 4th generation Blades combine reduced footprint with high performances

A PILOTS COCKPIT

The cockpit combines latest-generation avionics with exceptional external visibility, maximising situational awareness and minimising pilot workload to increase operational safety. Featuring:

- 4-axis dual-duplex digital automatic flight control system (DAFCS)
- Full NVG-compatible digital glass cockpit with three 8" x 10" displays (AMLCD)
- Overlay capability (information coming from Weather Radar, FMS, TCAS II, HTAWS and DMAP)
- Dual Flight Management System (FMS)
- Synthetic Vision and Enhanced Vision
- 2 additional touch screen displays for control of Helicopter sub-systems
- Compliance with the NextGen satellite-based IFR navigation (RNAV / RNP, lateral and vertical navigation for in-flight procedures, including approach operations to LPV minima)
- ADS-B capability.





AW169 EMS CHARACTERISTICS

Weight (MTOW)

Max Gross Weight	4,600 kg	10,141 lb
Optional Max Gross Weight (1)	4,800 kg	10,582 lb

Propulsion

Powerplant	2 x Pratt & Whitney PW210A series turboshafts with FADEC	
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Engine Ratings

AEO Take off power (5 min)	2 x 826 kW	2 x 1,108 shp
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Seating

Crew	1-2	
Stretchers	1 stretcher + up to 7 medical attendants 2 stretcher + up to 5 medical attendants	

Baggage compartment	1.4 m ³	49 ft ³
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External Dimensions

Overall length (2)	14.65 m	48 ft 1 in
Overall height (2)	4.50 m	14 ft 09 in
Rotor diameter	12.12 m	39 ft 9 in
Fuselage Clearance	0.50 m	1 ft 8 in

Performance (ISA, S.L., MTOW)

VNE (SL)	306 km/h	165 kt
Hovering IGE	> 4,400 m	> 14,500 ft
Hovering OGE	> 3,350 m	> 11,000 ft
Maximum range (3)	820 km	440 nm
Maximum endurance (3)	4 h 20 min	

(1) Available as a kit

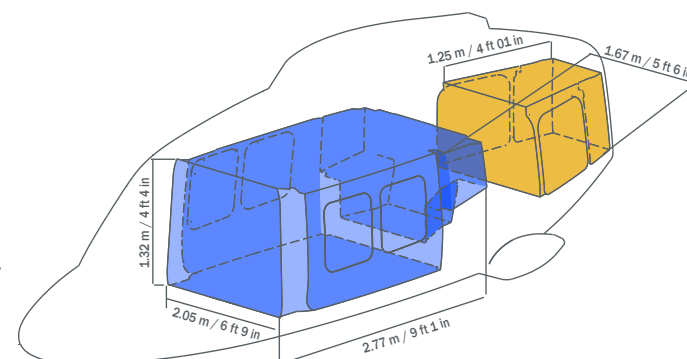
(2) Rotors turning

(3) at 5,000 ft, no reserve, standard fuel system

SPACE AND ACCESSIBILITY FOR UNIQUE VERSATILITY

The largest cabin in its class, featuring:

- Easy access to the entire patient body from both sides
- Accommodation for 2 stretchers, longitudinally and transversally
- Multimission flat floor allowing an easy layout reconfiguration
- Large sliding doors (1.60 m / 5 ft 3 in wide) for easy patient entry and egress
- The easiest and safest way to operate through the hoist even with a stretcher
- Well-lit, comfortable operating environment for the best patient care even on ground, with rotor stopped
- Wide room available to accommodate a full suite of the most advanced life support equipment
- Consistent floor height from cabin to cockpit for HEMS crewmember reversible seat
- In addition to the cabin a spacious baggage compartment is available to store foldable stretcher and loose equipment.





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