



LEONARDO HELICOPTERS

AW169

EMERGENCY MEDICAL SERVICES

AW169 NEXT GENERATION VERSATILITY

SAVING LIVES. ANYTIME, ANYWHERE

Designed around the patient's needs, the AW169 is ideally suited to life-saving primary and secondary missions and rescue services.

Thanks to its advanced technologies and flexibility, the AW169 guarantees a rapid emergency response - even for long-distance inter-hospital transport or for Emergency Medical Services (EMS)/Search and Rescue (SAR) missions at high altitude - ensuring that air medical professionals can be there when it counts, providing the best care.





SAFETY AT THE CENTRE

Developed in accordance with the latest FAA/EASA Part 29 certification standards and EU Air OPS regulations, the AW169 features: crash-resistant airframe, fuel system and seats, large windows for emergency egress and one engine inoperative (OEI) capability, even in critical environmental conditions.

Safety on the ground is enhanced by the high clearance of the main and tail rotor. The auxiliary power unit (APU) mode ensures the continued operation of the environmental control system, radios and medical devices when the rotors are stopped, increasing the operational safety level of the AW169 while on ground (i.e. during rendez-vous with ground ambulances).

ADVANCED AVIONICS

An advanced open-architecture avionics suite with a fully digital glass cockpit ensures exceptional external visibility, maximising situational awareness and minimising pilot workload during day and night operations, increasing operational safety. The AW169 conforms to the latest satellite navigation systems.





PERFORMANCE

MAX CRUISE SPEED (@5,000 FT, ISA, MGW, MCP)

267 km/h (144 kts)

HIGE CEILING (ISA, MGW, TOP)

4,572 m (15,000 ft)

HOGCE CEILING (ISA, MGW, TOP)

4,075 m (13,368 ft)

MAX RANGE (@5,000 FT, ISA, MGW)

785 km (424 nm)

MAX ENDURANCE (@5,000 FT, ISA, MGW)

4 h 14 min



CAPABILITY BEYOND THE NORM

- Full Vertical Cat. A/Class 1 capability
- High cruising speed
- Outstanding performance in hot and high conditions
- Maximized range and endurance
- Heavy-duty landing gear for unprepared terrains
- New 4th generation blades combine reduced footprint with high performances
- High power margins for excellent hovering and controllability characteristics
- Compliant with the requirements of the EN13718-2 (operational and technical requirements of air ambulances)



MORE ROOM TO WORK

The largest cabin in its class provides a real “flying hospital” environment, featuring accommodation for 2 stretchers either longitudinally or transversally, facilitating also operations where in-flight recovery of stretchered patients is required. Wide sliding doors allow easy loading/unloading whilst the spacious interior ensures entire access to the patient and offers space for a full suite of the most advanced life-support equipment. In addition to the cabin, a large baggage compartment is available to store additional stretchers and loose equipment.

CABIN CAPACITY

Up to 2 stretchers + Up to 5 medical attendants

CABIN LENGTH

2.15 m (7.01ft)

CABIN WIDTH

2.03 m (6.08 ft)

CABIN HEIGHT

1.32 m (4.04 ft)

PASSENGER DOOR WIDTH

1.60 m (5 ft 3 in)

360°

patient access in cabin

FULL SUITE

of life-support equipment

MAXIMUM FLEXIBILITY

in emergency situation

AW169 CHARACTERISTICS

Weights (MGW)

Max gross weight	4,600 kg	10,141 lb
Optional gross weight ⁽¹⁾	4,800 kg	10,582 lb

Dimensions

Overall length ⁽²⁾	14.65 m	48 ft 01 in
Overall height ⁽²⁾	4.56 m	14 ft 12 in
Rotor diameter	12.12 m	39 ft 09 in

Propulsion

Powerplant: 2 x Pratt & Whitney Canada PW210A1
Turboshafts with FADEC

⁽¹⁾ Available as a kit

⁽²⁾ Rotors turning



AW TEAMUP

Leonardo Helicopters is making significant changes to the provision of its Customer Support and Training services. Leonardo Helicopters has launched a company wide “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.

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.



OUR MOBILE APPS

Scan the QRcode to find out more



AW TeamUP



AW Training



Heliwise



Skyflight Mobile

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

This document contains information that is proprietary to Leonardo S.p.A. 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.

2022 © Leonardo S.p.A.

AW169EMS-Mk-1119/0623



leonardo.com

