

NEXT GENERATION VERSATILITY

ENTERING SERVICE, PROTECTING THE COMMUNITY

The AW169 is a new generation light intermediate twin-turbine helicopter developed to meet the stringent civilian certification safety requirements. The AW169 grants a wide range of security operations including:

- Air Observation
- Aerial Support
- Drug Enforcement
- Border Patrol
- Troop Transport/Special Force Transport
- MEDEVAC/CASEVAC/EMS
- Disaster Relief/SAR/CSAR
- Utility

The AW169 can be customised with a variety of role equipment, including hoist, cargo hook, search lights, loudspeakers, EO/IR systems, mission console, fast roping/rappelling kits, automatic tracking tools, flexible Comms packages, video down/up link, internal weapon and modular ballistic protection for cockpit and cabin, to fully exploit its multi-role capability in the most demanding environments.

AgustaWestland AW169 Security Services



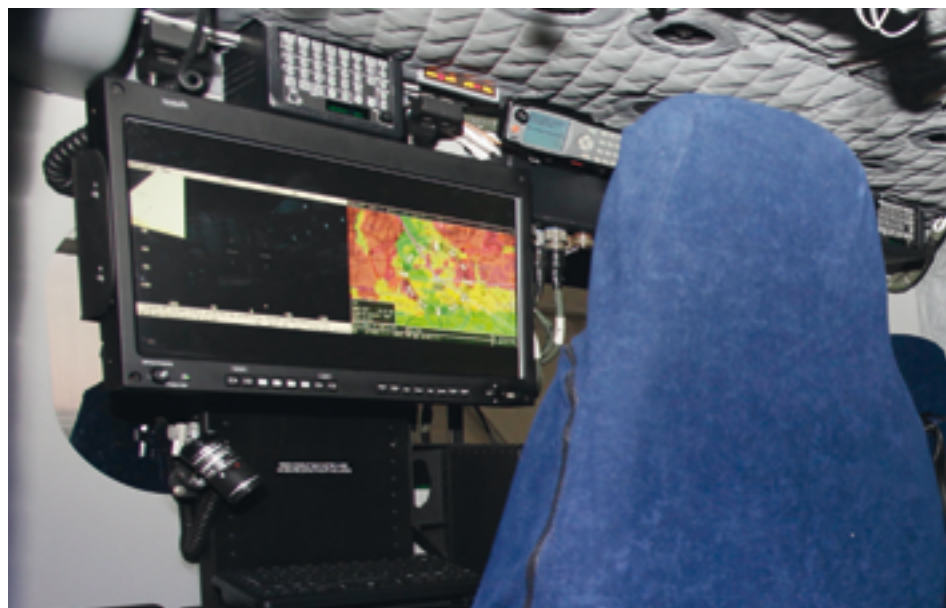
AW169

EXCELLENT PERFORMANCE

The AW169 fully complies with the stringent FAR/JAR/EASA requirements in terms of performance and safety. Its Pratt & Whitney Canada PW210A engines, dual channel Full Authority Digital Electronic Control (FADEC), together with new generation 5-bladed main rotor deliver enhanced hover performance, even in demanding conditions and at all weights. The AW169 transmission design provides power to helicopter systems (Hydraulic, Electrical, Air conditioning) with rotors stopped (APU Mode) and just the left engine running. The AW169 features outstanding power, agility and manoeuvrability, providing excellent handling qualities in a wide range of operating conditions including 'hot and high'.

SUPERIOR TACTICAL AND SITUATIONAL AWARENESS

The AW169's NVG compatible Cockpit Display System is based on three large AMLCD displays. The level of information provided to the pilots on the Primary Flight Display can be raised exploiting the overlay capability. The AW169 features an innovative HMI based on touch screen display technology. Intuitiveness makes this technology the best choice during critical situations, where the workload for the crew is extremely high, enabling them to control a high number of different systems from a single display unit. The state-of-the-art navigation suite is based on a dual Flight Management System (FMS) and an advanced digital dual-duplex 4-axis autopilot, incorporating GNSS/SBAS capabilities. SAR modes and patterns are of course supported. The AW169's cockpit ergonomic design, improved visibility, excellent handling characteristics and low vibration levels minimise pilot fatigue, allowing the crew to concentrate on achieving mission objectives.



EXCEPTIONAL CABIN FLEXIBILITY

- Designed with inherent multi-role capability and flexibility of operation, the AW169 features the largest passenger cabin in its class.
- Large sliding doors provide clear access to the unobstructed cabin for rapid ingress/egress from both side.
- The AW169 can carry up to 8 law enforcement officers quickly to their drop-off point or can be converted to recovery up to 2 stretchers.
- The multi-role/multi-mission capability is complemented by the possibility to install a full suite of surveillance equipment in the cabin managed through a dedicated 2x17" touchscreens mission console.



AW169 CHARACTERISTICS

Weight (MTOW)

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

Propulsion

Powerplant	2 x Pratt & Whitney PW210A series turboshafts with FADEC	
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Capacity

Crew	1-2	
Passenger seating	Up to 11 passengers or 8 law enforcement officers	
Baggage compartment ⁽²⁾	1.4 m ³	49,44 ft ³

Dimensions

Overall length ⁽³⁾	14.65 m	48 ft 01 in
Overall height ⁽³⁾	4.50 m	14 ft 09 in
Rotor diameter	12.12 m	39 ft 09 in

Performance (ISA, MTOW)

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

⁽¹⁾ Available as a kit

⁽²⁾ Baggage compartment extension available

⁽³⁾ Rotors turning

⁽⁴⁾ At 5,000 ft, no reserve, standard fuel system



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!

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.



AW TeamUp



AW Training



Heliwise



Skyflight Mobile

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