

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 can be used for a wide range of Law Enforcement applications including:

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

The AW169 can be customized with a variety of role equipments, 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 Law Enforcement



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.

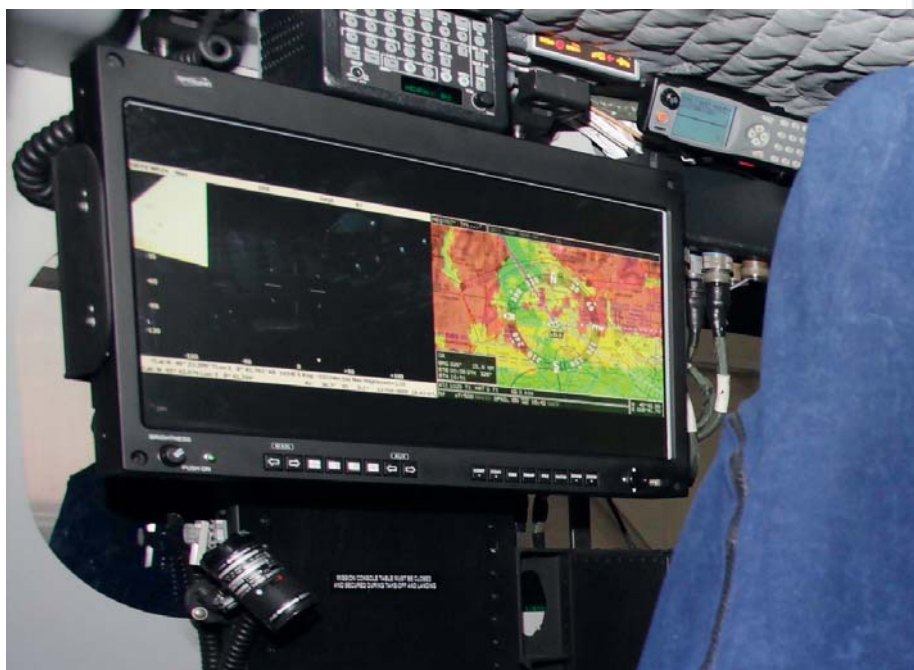
The AW169 features outstanding power, agility and manoeuvrability, providing excellent handling qualities in a wide range of operating conditions including 'hot and high'.

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.

The AW169 multi-role / multi-mission capability is a unique asset for operational awareness, command, rescue and transport.



AW169 CHARACTERISTICS

Max Take-Off Weight	4,600 kg	10,141 lb	
Propulsion	2 x Pratt & Whitney Canada PW210A series turboshafts (TOP 1,108 SHP each) with FADEC		
Leading Features	EASA CS-29 / FAR Part 29		
Certification Category	Vertical Cat. A / Class 1 up to ISA+25 at S.L.		
Cat. A Capability	Vertical Cat. A / Class 1 up to ISA+25 at S.L.		
Hovering Performances	Hovering OGE at MTOW ISA up to 11,500 ft		
External Dimensions			
Overall Length ⁽¹⁾	14.65 m	48 ft 1 in	
Overall Height ⁽¹⁾	4.50 m	14 ft 9 in	
Rotor Diameter	12.12 m	39 ft 9 in	
Tail Rotor Clearance	2.16 m	7 ft 1 in	
Fuselage Clearance	0.50 m	1 ft 8 in	
⁽¹⁾ Rotors turning			
Internal Dimensions			
Cabin Dimensions	Width	2.05 m	6 ft 9 in
	Height	1.32 m	4 ft 4 in
	Length ⁽²⁾	2.77 m	9 ft 1 in
Main Cabin Volume ⁽²⁾	6.3 m ³	222 ft ³	
Baggage Compartment	1.4 m ³	49.44 ft ³	
⁽²⁾ Dual Pilot configuration			
Capacity			
Flight Crew	1 / 2		
Passenger seating	Up to 10		

EXCEPTIONAL CABIN FLEXIBILITY

Designed with inherent multi-role capability and flexibility of operation, the AW169 features the largest passenger cabin in its class, unobstructed and regular in shape. The AW169 can carry up to 10 law enforcement officers quickly to their drop-off point or up to 2 stretchers.

The AW169 is an excellent platform for quick special forces deployment and recovery of stretchers in flight thanks to two large sliding doors ensuring rapid ingress / exit from both sides. AW169 grants a unique capability to perform the complete range of law enforcement / security operations, facilitated by the rapid installation and removal of mission-specific equipment, without complex operations or airframe modification.



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