

NEXT GENERATION MULTIROLE

AW169M



AW169^M

PROJECTING FORCE

The AW169M is the militarised variant of the AW169, a new generation light intermediate twin-turbine helicopter. The AW169M has been developed to meet the stringent military and civilian certification requirements of military, homeland security and government users.

It can be used for a wide range of military and homeland security applications including:

- Troop Transport
- Special Forces Insertion / Extraction
- Command & Control
- Fire Support
- Utility
- SAR / CSAR
- Surveillance
- MEDEVAC / CASEVAC

The AW169M can be customized with a variety of role equipment, including weapon systems internal (Door gunner post 12.7 mm machine gun or Two pintle-mounted 7.62 mm machine guns) and external (7,62/12,7 mm machine guns and/or rockets launchers and/or air to ground/air to air missiles), defensive aids suite and modular ballistic protection for cockpit and cabin, to fully exploit its multi-role capability in the most demanding environments.



EXCELLENT PERFORMANCE

The AW169M fully complies with the latest 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 transmission design provides power to helicopter systems (Hydraulic, Electrical, Air conditioning) with rotors stopped (APU Mode) and just the left engine running.

The AW169M 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

The AW169M'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 AW169M 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 cockpit's 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 AW169M features the largest passenger cabin in its class, unobstructed and regular in shape. It can carry up to 10 troops quickly to their drop-off point or up to 3 stretchers.

The helicopter is an excellent platform for quick troop deployment in operational theatres and recovery of stretchers in flight thanks to two large sliding doors ensuring rapid ingress / exit from both sides.



AW169M CHARACTERISTICS

Weight	4.5 ton class
Propulsion	
Powerplant	2 x Pratt & Whitney Canada PW210A series turboshafts (1,000 shp class each) with FADEC
Leading Features	
Certification Category	EASA CS-29 / FAR Part 29 Latest Amendments
Cat. A Capability	Vertical Cat. A / Class 1 up to ISA+20 at S.L.
Hovering Performances	Optimised for Hot & High operations
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	10.50 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
Cabin Volume	6.3 m ³ / 222 ft ³
Baggage Compartment	1.4 m ³ / 49 ft ³
⁽²⁾ Dual Pilot configuration	
Capacity	
Flight Crew	1 / 2
Passenger seating	Up to 10



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