

A photograph of an AgustaWestland AW109M helicopter in flight, viewed from a low angle. The helicopter is dark grey and has its main rotor blades blurred from motion. The background is a light, hazy sky. The image is overlaid with a white geometric pattern consisting of a large circle and several intersecting lines. Scattered throughout the image are various white square shapes of different sizes, some of which are arranged in small clusters.

AgustaWestland AW109M

 **LEONARDO**
HELICOPTERS

A front-facing view of an AW109M helicopter in flight. The helicopter is dark grey with a large glass cockpit. It has two stub rotors mounted on the sides, each carrying a fuel tank. The main rotor is blurred from motion. The background is a cloudy sky at dusk or dawn.

AW109^M

THE BEST LIGHT MULTI-ROLE
HELICOPTER

PERFORMING WORLDWIDE

The AW109 Military is a proven, cost effective, multi-role helicopter already in service with several Armed Forces around the world.

A wide range of mission equipment, including internal and external weapon systems, combined with outstanding flight performance, enables the AW109M to accomplish missions in the harshest environments.

The AW109M benefits from an extensive global network of customer support. We also offer state-of-the-art training to enhance pilots' performance and to maximize safety.

The aircraft compact external dimensions enhance maritime operations and assure C-130 aircraft class transportability.

ARMAMENT

Internal Armaments

- Up to two pintle-mounted 7.62 mm machine guns
- 12.7 mm machine gun
- 12.7 mm rifle

External Armaments

- 12.7 mm Machine-gun Pod (250 or 400 rounds)
- 70 mm rocket launchers (7 or 12 tubes)
- Rocket-Machine gun Pod (3 rcts/70mm, 250 rds/12.7 mm)
- Laser Guided Rockets (LGR)



MAIN FEATURES



Fast 154 kt Cruise Speed

Transmission dry run capability: 30 min

LCD displays for reduced pilot workload.
NVG Compatible

Advanced communication, navigation and tactical systems for effective missions

Optional ballistic protection against 7.62 mm bullets available

Optional flotation available

Ballistic tolerant against 12.7 mm as standard

Excellent Hot & High performance provided by two PW206C engines

Easy & quick role change from special forces transport to MEDEVAC

Self-sealing fuel tanks

Wide cabin sliding doors for rapid rappelling and fast rope operations

Unobstructed, spacious cabin (3.5 m³/124 ft³) allows easy configuration changes to suit operational requirements

AVIONICS

Proven instruments with LCD displays providing low workload for Single/Dual Pilots operations under VFR/IFR rules.

Leading features

- Pilot/co-pilot LCD EADI/EHSI instruments
- AFCS 3-axis duplex
- Flight director & autotrim
- CVR/FDR (Cockpit Voice & Flight Data Recorder)
- Moving map
- NVG compatibility
- VHF-COM/NAV radios
- VHF/FM radio
- VHF/UHF - AM/FM radio



LAND

The AW109M provides battlefield commanders with highly effective multirole capability to conduct a diverse range of primary and secondary missions.

- Armed reconnaissance
- Escort and fire support
- Tactical troop transport
- Command and control
- SAR and Medical Evacuation
- Commando insertion



MARITIME

Designed for operations in harsh maritime environment, the AW109M provides maritime commanders with outstanding mission flexibility, to perform a wide range of tasks.

- Armed reconnaissance
- Maritime counter piracy
- Surface surveillance
- SAR and Medical Evacuation
- Utility support
- Ferry VIP



AW109M CHARACTERISTICS

Weight (MTOW)
Max Gross Weight

3,000 kg 6,614 lb

Engine Ratings (2 x Pratt & Whitney PW206C)

Take off power (5 min) 2 x 477 kW 2 x 640shp
OEI Max contingency (2.5 min) 546 kW 732 shp

Transmission Ratings

Take off (5 min) 671 kW 900 shp
Max continuous 671 kW 900 shp

Fuel Capacity

3-cell fuel system 605 l 160 USgal
4-cell fuel system 699 l 185 USgal
5-cell fuel system 835 l 221 USgal

Seating

Crew / Passenger 1-2 / 7-6

Dimensions

Overall length 13.04 m 42 ft 9 in
Overall height 3.50 m 11 ft 6 in
Rotor diameter 11.00 m 36 ft 11 in

Performance (ISA, MGW)

VNE (S.L.) 311 Km/h 168 kt
Cruise Speed (S.L.) 285 km/h 154 kt
Rate of Climb (S.L.) 9.81 m/s 1,930 ft/min
Hovering IGE 5,059 m 16,600 ft
Hovering OGE 3,596 m 11,800 ft
Service Ceiling 5,974 m 19,600 ft
Maximum range ⁽²⁾ 948 km 512 nm
Maximum endurance ⁽²⁾ 4 h 51 min

⁽²⁾ with 221 USgal, no reserve, @ 5,000 ft



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