

AgustaWestland AW109M



 **LEONARDO**  
HELICOPTERS



A close-up, low-angle shot of the front of an AW109M helicopter. The main rotor blades are blurred at the top of the frame. The cockpit is visible on the left, with a large windshield and a red light on the side. A sensor pod is mounted on a boom extending from the front of the fuselage. The background is a cloudy sky at dusk or dawn, with a dark horizon line at the bottom.

AW109<sup>M</sup>

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 rkts/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 m<sup>3</sup>/124 ft<sup>3</sup>) 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
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### 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
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### 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 <sup>(2)</sup>	948 km	512 nm
Maximum endurance <sup>(2)</sup>	4 h 51 min	

<sup>(2)</sup> with 221 USgal, no reserve, @ 5,000 ft



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