



LEONARDO HELICOPTERS

# AW09

## SINGLE [R]EVOLUTION



### THE ANSWER TO TOMORROW'S MISSIONS

The AW09 is a next-generation, high performance, single-engine helicopter offering the built-in versatility to tackle multiple missions. It is developed in Switzerland by Kopter Group, acquired by Leonardo in 2020.

The AW09 features the latest technology and is optimised for a wide range of roles including passenger transport, utility, Emergency Medical Services (EMS) and law enforcement.

The three-tonne class helicopter combines flexibility, together with a large, adaptable cabin space that can accommodate up to eight passengers. The state-of-the-art cockpit, high cruise speed, long range, and low noise profile deliver the capability needed for demanding missions.





## EXPLORE THE AW09

The AW09's advanced avionics enhance safety and situational awareness, while the five-blade, fully composite rotor system provides superior manoeuvrability. The helicopter has a lightweight, composite structure to ensure crash resistance and features excellent performance thanks to the Safran Arriel 2K engine, latest and more powerful evolution of the field proven Arriel family, which incorporates next-generation technology, reduced fuel consumption and modern dual channel FADEC with auxiliary backup system.





## PERFORMANCE

### CRUISE SPEED

260 km/h (140 kts)

### MAXIMUM RANGE

800 km (430 nm)

### MAXIMUM ENDURANCE

5 h

### SLING LOAD CAPACITY

1,500 kg (3,300 lb)

## DISTINCTIVE FEATURES

- Built to meet the latest safety standards.
- Featuring a state-of-the-art, modular glass cockpit with Garmin G3000H integrated flight deck.
- Spacious cabin with a high ceiling and flat floor that can be reconfigured quickly for ultimate mission flexibility.
- Clamshell and sliding doors offering easy access.
- Low noise and vibration levels for a smooth and quiet flight.
- Innovative package of support services improves maintainability and minimises cost of ownership.
- Connectivity simplifies access to aircraft data and enhances aircraft monitoring.
- Customers benefit from integrated training solutions.

## PASSENGER TRANSPORT

The AW09 sets a new benchmark in the light single-engine helicopter market for passenger transport missions, offering comfort, flexibility and a superior flying experience.

Quick conversion among multiple seat layouts with up to 8 passengers is made possible, according to mission needs, thanks to the flat floor, independent crashworthy seats and largest cabin volume in its category. The long step on the landing gear combined with the wide sliding doors on both sides of the aircraft provide excellent accessibility for quick and easy boarding.

There is excellent visibility from the cockpit, while additional windows on the cockpit and cabin doors offer a stunning view outside the helicopter, ensuring passengers can enjoy every moment of the flight experience.

The low vibration levels achieved with the five-blade main-rotor provide the highest level of comfort for a smooth and quiet flight. The tail rotor design, featuring 10 unevenly spaced blades, offers extremely low noise levels, meeting the most stringent environmental protection standards, especially for tourist flights.



## UTILITY

The AW09 is a highly capable utility platform that offers operators the performance and flexibility to tackle a range of missions from firefighting to aerial lift operations. The light airframe design not only provides excellent sling-load figures, but also an unmatched internal cargo capability thanks to largest cabin volume in its class combined with unique clamshell doors.

A spacious, high-ceiling cabin with sliding doors on both sides adds to the largest stowage compartment in its category. A flat floor and unobstructed access through rear clamshell doors, in addition to a 1,500 kg (3,300 lb) external load capacity, makes the AW09 the ideal helicopter for utility missions.

With such a cargo hook rating, the AW09 sets a new reference for firefighting squadrons and flying crane operators around the world while the powerful Safran Arriel 2K engine allows efficient and safe operations in the most demanding conditions.

### CABIN VOLUME

>6.50 m<sup>3</sup> (>229.55 ft<sup>3</sup>)

### CAPACITY

Crew 1

Passengers seating up to 8

## AW09 CHARACTERISTICS

### Weight (MGW)

<b>Internal loads</b>	2,850 kg	(6,284 lb)
<b>External loads</b>	>3,000 kg	(>6,614 lb)

### Propulsion

<b>Powerplant:</b>	Safran Arriel 2K dual FADEC turbine engine	
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### Engine Rating

<b>Maximum take-off power <sup>(1)</sup></b>	750 kW	(1006 shp)
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### Dimensions

<b>Overall length <sup>(2)</sup></b>	13.13 m	43.07 ft
<b>Overall height <sup>(2)</sup></b>	3.74 m	12.27 ft
<b>Rotor diameter</b>	10.96 m	35.94 ft

<sup>(1)</sup> Thermodynamic power equivalence

<sup>(2)</sup> Rotors turning

## MEDICAL AND RESCUE SERVICES

The AW09 is equipped for a full range of primary and secondary EMS (Emergency Medical Services) duties, offering operators a versatile, reliable asset that is ideally suited to critical missions when lives are on the line.

Dedicated cabin layouts accommodate up to three medical crew members and one stretcher in addition to the pilot. Swivelling and foldable seats allow optimal access to the patient and best use of space. The multi-attachment prepared floor and the high ceiling provide several options to install medical equipment.

The high clearance tail-boom allows the ground crew to stand underneath and load with ease the stretcher and all the medical equipment through the clamshell doors. The AW09's compact footprint enables operations from unprepared surfaces and tight landing zones while its spacious cabin with flat floor maximises working space.



## SECURITY SERVICES

The AW09 provides the rapid response demanded by modern security missions, combining a high cruise speed with the endurance to stay on task and advanced on-board technology for mission effectiveness.

Security mission success is guaranteed by the high cruise speed and endurance of up to five hours, while low vibration and low noise help to optimise the working environment. The robust landing skids combined with shrouded tail rotor enables safe insertion operations on unprepared surfaces. The AW09 features an integrated Garmin G3000H avionics suite, providing flight crews with an array of flight displays designed to optimise equipment integration, increase situational awareness and mission readiness while reducing crew workload.

The multi-attachment prepared floor provides several options for seating layout and equipment installation, exploiting the widest cabin on the market.



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**

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.

**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.

**DIGITAL SERVICES**

Leonardo Helicopters considers flight data analysis and mission support as well as maintenance predictability as a cornerstone of its strategy for the development of value-added services for its Customers. A series of systems and tools are available both on board and on-ground to satisfy and increase customers’ experience; leveraging on that, the transmission of data and the enhancement of their analysis can be executed through the most innovative data analytics methodologies, with relevant advanced diagnostics skills, for increasingly predictive support.



**OUR MOBILE APPS – STAY TUNED!**



**AW TeamUP**



**AW Training**



**Heliwise4Mobile**



**SkyFlight Mobile**

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