

AW139

HELICOPTERS DIVISION

Security Services



 **LEONARDO**


AW139

SIMPLY NO RIVALS

ALL-SEEING EYE IN THE SKY

The AW139 is the market leading intermediate twin-engine helicopter. Designed specifically to meet the multi-mission demands of a broad range of customers, it surpasses all other helicopters in its class in capability, speed, range and versatility.

The AW139 is ideally-suited to a wide range of security missions, including area patrol, officer transport, resupply, command and control, medical evacuation and search and rescue operations.

AW139 is the flagship of the AWFAMILY of products (with AW169 and AW189), providing mixed-fleet operators the advantage of a common design-philosophy across platforms.





ADVANCED TECHNOLOGY FOR REDUCED PILOT WORKLOAD

The AW139's NVG-compatible glass cockpit is based on four large Liquid Crystal Displays with an optional fifth display for moving map and cameras and a state-of-the-art digital avionics system integrating 3D Smart View System (SVS), Enhanced Ground Proximity Warning System (EGPWS), coupled with the 4-axis digital autopilot, enhanced SAR modes and Hover mode. Its Full Authority Digital Engine Control (FADEC) optimises helicopter control in any condition. The AW139 cockpit's ergonomic design, high visibility, excellent handling characteristics and low vibration levels minimise pilot workload, allowing the crew to concentrate on achieving mission objectives.





PERFORMANCE (ISA, MGW)

Max Cruise Speed (SL, MCP)

306 km/h (165 kt)

HIGE (TOP)

4,682 m (15,360 ft)

HOGE (TOP)

2,478 m (8,130 ft)

Maximum Range (SL)⁽¹⁾

1,061 km (573 nm)

Maximum Endurance (SL)⁽¹⁾

5 hr 13 min

⁽¹⁾ with auxiliary fuel - no reserve

CAPABILITY BEYOND THE NORM

- › Border guard roles easily conducted
- › Easily adapted for disaster relief, humanitarian and community support
- › All weather Capability
- › Suitable for operations in confined/congested areas
- › Advanced role equipment to cater for all situations, including IFF transponder, SAR/ISAR, Radar, tactical radios, new generation search light and state of the art EO/IR systems
- › High useful load and high speed for mission effectiveness
- › Low Noise Signature, >5db below ICAO requirements making it a “city friendly” helicopter
- › Next generation safety - design, construction, operability and crashworthiness.



MORE ROOM TO WORK

- › Designed with inherent multi-role capability and flexibility of operation, the AW139 delivers abundant working room and maximum mission capability.
- › Unobstructed and regular in shape, the cabin benefits from a flat floor and large sliding doors on each side for easy access.
- › With 8 m³ / 283 ft³ of interior space the AW139 can seat up to 15 passengers or 8 deployable law enforcement officers and can be configured in a variety of layouts, including accommodation for fully integrated mission console.
- › An additional 3.4 m³ / 120 ft³ baggage compartment space is accessible from both inside the passenger compartment and from outside the helicopter.



8 m³

Cabin volume (283 ft³)

3.4 m³

Baggage volume (120 ft³)

Capacity

Crew 1 to 2

Up to 15 passengers or 8 deployable law enforcement officers and 2 armed aircraft crew members for aircraft protection

Stretchers

Up to 4 (with 5 attendants)

AW139 CHARACTERISTICS

WEIGHT (MGW)

- › Max Gross Weight 6,400 kg (14,110 lb)
- › Increased Gross Weight ⁽¹⁾ 6,800/7,000 kg (14,991/15,430 lb)

PROPULSION

- › Powerplant: 2 x Pratt & Whitney PT6C-67C Turboshafts with FADEC

DIMENSIONS

- › Overall length ⁽²⁾ 16.66 m (54 ft 08 in)
- › Overall height ⁽²⁾ 4.98 m (16 ft 04 in)
- › Rotor diameter 13.8 m (45 ft 03 in)

⁽¹⁾ Available as a kit

⁽²⁾ Rotors turning



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

The 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.

OUR MOBILE APPS - STAY TUNED!



AW TeamUP



AW Training



Heliwise



Skyflight Mobile

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.

ADVANCED SERVICES

Leonardo Helicopters continues to focus and improve the Customer’s experience, leveraging on innovation and latest technology, to deliver the best services and solutions in its class. Skyflight Mobile and Heliwise represent our key advanced services, which provide Customers with cutting-edge solutions to perform flight planning activities and HUMS data analysis.



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