

AW139

HELICOPTERS DIVISION

Rescue Services



 **LEONARDO**



AW139

SIMPLY NO RIVALS

PERFORMING IN ALL CONDITIONS

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 advanced avionic system reduces pilot workload, allowing the crew to concentrate on rescue, security or humanitarian operations, while the high power margin provides superior performance and excellent handling characteristics for maximum safety.

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.





CAPABILITY BEYOND THE NORM

- › Long range and endurance for extended Search and Rescue missions
- › Maximised all weather operation, with capability for flight into known icing conditions
- › Advanced role equipment to cater for all situations
- › High useful load and high speed for mission effectiveness
- › Multi-role re-configuration capability
- › Superior OEI (One Engine Inoperative) performance for safe operations
- › High main and tail rotor ground clearance ensures a safe environment for ground operations and maintenance crew
- › Next generation safety - design, construction, operability and crashworthiness.

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



MORE ROOM TO WORK

- › Designed with inherent multi-role capability and flexibility of operation, the AW139 delivers abundant working room and maximum mission capability
- › The large, brightly lit, versatile cabin (8 m³ / 283 ft³) can be configured in a variety of layouts, including accommodation for fully integrated mission console, medical treatment and casualty evacuation
- › Large sliding doors on each side provide clear access to the cabin for quick ingress/egress and stretcher loading in flight
- › An additional 3.4 m³/120 ft³ baggage compartment space allows to store stretchers and SAR equipment which is accessible from both inside the passenger compartment and from outside of the helicopter.



8 m³

Cabin volume (283 ft³)

3.4 m³

Baggage volume (120 ft³)

Capacity

Crew 1 to 2

Passengers up to 15

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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