

LEONARDO HELICOPTERS

AW139

ENERGY SERVICES

LEONARDO

AW139
SIMPLY NO RIVALS



THE BACKBONE FOR OFFSHORE ENERGY SERVICES

The AW139 is the leading intermediate twin-engine helicopter. This versatile all-weather helicopter has been designed for demanding offshore missions thanks to its superior payload, range, speed, and single-engine capability, combined with exceptional reliability and reduced operating costs. Compliant with the latest safety regulations and industry best practices, the AW139 is the safest and most resilient platform in its class.

Its advanced avionics meet the latest Performance-Based Navigation standards, such as RNP 0.3, in all phases of flight, including AR, LPV, and Automatic Oil Rig approaches.

Part of the AWFamily -alongside the AW169 and AW189-the AW139 shares high-performance flight characteristics, safety features, and a common design philosophy and cockpit HMI, resulting in significant cost savings in training, maintenance, and support.



DESIGNED AROUND SAFETY

The AW139 is engineered to the highest safety standards, featuring energy-absorbing landing gear, fuselage, and seats that meets the rigorous JAR/FAR 29 requirements. Its state-of-the-art avionics, including 3D Smart View System (SVS), EGPWS with offshore modes according to CAA CAP 1519, TCAS II, ADS-B Out, and Flight Data Monitoring, provide exceptional situational awareness. The 4-axis digital autopilot and offshore custom approaches reduce pilot workload.

The AW139 also features a 60-minute `dry-run' capability on its main gearbox, while its high main rotor clearance ensures a safe environment for both ground operations and maintenance crews. With seats aligned to large push-out windows (Exceeding Type IV) to minimize escape time also in case of capsize and for Extra Broad (XBR) passengers, flotation system certified for ditching up to Sea State 6 and life rafts positioned for access directly from the cabin or from outside, it ensures safety in any situation.

The helicopter provides excellent Category A Performance Class 1 and 2 without exposure, even in challenging conditions, and offers optional Full Ice Protection Systems (FIPS) and Limited Ice Protection System (LIPS), making it the lightest platform in its class with this capability.





PERFORMANCE

MAX CRUISE SPEED
(@5,000 FT, ISA, MGW, MCP)

306 km/h (165 kt)

HIGE (ISA, MGW, TOP)

4,672 m (15,327 ft)

HOGE (SA, MGW, TOP)

2,476 m (8,123 ft)

MAX RANGE
(@5,000 FT, ISA, MGW)*

1,187 km (641 nm)

MAX ENDURANCE
(@5,000 FT, ISA, MGW)*

5 h 38 min

** With auxiliary fuel tank - No reserve*



READY FOR MISSION

Typical Offshore Passenger Transport completion comprises:

- 12 individual crashworthy seats (IOGP) with separate four point safety belts and no more than 2 passengers per emergency exit
- Environmental Control System - Air Conditioning
- Emergency floats and integrated external life rafts (2 x 18 passengers) with emergency beacon
- Helicopter Emergency Exit Light System (HEELS)
- ADELT
- ADS-B Out, HUMS and Flight Data Monitoring (FDM)
- TCAS II
- Weather radar
- Internal auxiliary fuel tanks between the cabin and the baggage compartment (NO impact on cabin volume).

Additional options include a variety of communication systems (HF, VHF/FM, SATCOM with flight following), single/dual hoists, searchlight, direction finder, nose-mounted EO/IR camera, and cargo hook for Emergency Response and Seismic Survey missions.





A FLEXIBLE CABIN SPACE

The spacious and versatile cabin can be configured to seat up to 15 passengers (or 12 passengers in IOGP configuration), ensuring quick reconfiguration for Medical Evacuation (MEDEVAC) and the installation of dedicated EMS self-contained equipment. The large sliding doors enable easy and rapid boarding and egress, whether on a helideck or during winch operations. Additionally, the wide baggage compartment is accessible from both sides of the helicopter.





Cabin volume	Baggage volume
8 m^3 (283 ft^3)	3.4 m^3 (120 ft^3)

Capacity	
Crew 1 to 2	Passengers up to 15

AW139 CHARACTERISTICS

Weights (MGW)

Max Gross Weight	6,400 kg	(14,110 lb)
Increased Gross Weight [1]	6,800/7,000 kg	(14,991/15,432 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' Customer Support & Training team delivers efficient logistics and maintenance to boost helicopter availability and reduce lifecycle costs.
Our 24/7 global network ensures reliable support for operators worldwide. Through Training Academies and a global network, we offer tailored programs for flight crews, operators, ground staff and maintainers, providing optimized after-sales support and solutions.



SUPPORT SOLUTIONS

Leonardo Helicopters provides global, continuous support through an extensive MR&O network and field service reps at both our facilities and customer sites.
Our flexible Service Plans are tailored to meet specific needs, covering components, labor, and fixed-cost-per-flight-hour options with guaranteed service levels.
The 24/7 Fleet Operations Centre (FOC) offers technical and logistical support for fleets worldwide.
Customers can access a full range of services, from spare parts and repairs to maintenance and advanced solutions, either individually or through integrated support.
We ensure comprehensive material logistics and helicopter availability.

TRAINING & SIMULATION SOLUTIONS

We provide a comprehensive training system with advanced synthetic training devices and a variety of courses for aircrew, rear crew and ground crew. Customers benefit from a 360° program combining live and virtual classrooms, practical training, in-flight activities, and in-house devices, guided by expert instructors.
Using AI for real-time data analysis, we offer personalized, adaptive learning paths that improve students ability to handle diverse scenarios. Our expanding simulation capabilities include in-house developed devices like MITHOS, for realistic hoist operations, which is now connected with Full Flight Simulators (FFS) so that pilot and hoist operator can conduct mission training together, communicating and coordinating actions as if they are operating the same helicopter.

DIGITAL SERVICES

We rely on flight data analysis, mission support and maintenance predictability as key elements of our strategy to develop value-added services for customers. The company offers a wide range of digital services to support the global fleet, including real-time technical assistance, distance learning, Health Usage Monitoring Systems (HUMS) and customized "turn-key" solutions.



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