

AW169

HELICOPTERS DIVISION

Energy Services



 **LEONARDO**



AW169

**NEXT GENERATION
VERSATILITY**

EXTENDING THE REACH

The AW169 is the latest-generation 4.5 tonne class twin-engine helicopter that has been designed to comply with the most rigorous standards required by Offshore operators and their end-users. The excellent performance and the handling qualities in all-weather conditions ensure maximum safety in all offshore operations.

The AW169 is based on the operationally proven, Offshore market-leader AW139 platform and belongs to the AWFamilY of products (with AW189 and AW139). All AWFamilY helicopters possess the same high performance flight characteristics and safety features and share a common design philosophy and cockpit Human-Machine Interface. This approach delivers operators real cost savings in areas such as training, maintenance and support.



SAFETY: THE CENTRAL PILLAR ADVANCED AVIONICS

The AW169 meets the most stringent regulatory and operating safety standards, including the latest FAA and EASA Part 29 certification and IOGP community requirements.

The helicopter, by design, incorporates many features aimed to maximising safety such as critical systems redundancy, a fully tested and exploitable 33 min. 'run-dry' capability for the main gearbox, floatation system up to sea state 6 and external life rafts together with easy egress that make the AW169 a suitable platform also for overwater and offshore operations. Taking also advantage of the considerable single engine performance, the AW169 is the helicopter of choice for Wind farm operations.

Exceptional external visibility and leading-edge avionics maximize pilot's situational awareness, critical for safe flight in demanding Offshore operations. The AW169 benefits from excellent external lateral and downward pilot visibility, coupled with a comprehensive multi-sensor avionic suite, compliant with the latest Communication Navigation Surveillance (CNS) requirements enabling operations in IMC Day & Night.

The AW169's ergonomic design, excellent handling characteristics and low vibration levels further reduce crew fatigue and enhance passenger comfort.



PERFORMANCE (ISA, MGW)

Max Cruise Speed (SL, MCP)

>268 km/h (>145 kts)

HIGE (TOP)

> 5,085 m (> 16,680 ft)

HOGE (TOP)

>4,060 m (> 13,325 ft)

Max Range ⁽¹⁾

816 km (440nm)

Max Endurance ⁽¹⁾

4 hr 20 min

CAPABILITY BEYOND THE NORM

- › The only one helicopter in its class fully compliant to latest certification standards
- › Superior performance in CAT A PC 1 operations
- › Spacious and bright cabin
- › Ease of access and egress
- › Unique "APU mode" technology to provide electrical and hydraulic power with rotors stopped
- › High ground clearance of main and tail rotors for unmatched safety level during the boarding phase

⁽¹⁾ At 5,000 ft, no reserve



MORE ROOM TO WORK

The large cabin is capable of carrying up to 10 passengers in a comfortable and safe environment and can be fitted with a range of equipment and systems, fully compliant with the most rigorous market standards. The versatile interior may be quickly reconfigured from passenger transportation to MEDEVAC, with the installation of up to 2 stretchers and of a medical rack. The AW169 also offers a specifically tailored interior configuration for Wind farm operations with up to 7-passenger seating to facilitate the hoisting operation.



6.3 m³

Cabin volume (222.5 ft³)

1.4 m³

Baggage volume (49.44 ft³)

Capacity

Crew 1 to 2

Passengers seating up to 10

AW169 CHARACTERISTICS

WEIGHTS (MGW)

› Max gross weight	4,600 kg	10,141 lb
› Optional gross weight ⁽¹⁾	4,800 kg	10,582 lb

DIMENSIONS

› Overall length ⁽²⁾	14.65 m	48 ft 01 in
› Overall height ⁽²⁾	4.50 m	14 ft 09 in

PROPULSION

- › Powerplant: 2 x Pratt & Whitney Canada PW210A series turboshafts (1,000 shp class each) with dual channel digital FADEC system with FADEC

- ⁽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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