

AgustaWestland AW139
Offshore



AW139

SIMPLY NO RIVALS

PERFORMING WORLDWIDE

The AW139 is the market-leading intermediate twin-engine helicopter.

Ideally suited to demanding Offshore missions, with superior speed, range and single engine capability together with excellent handling characteristics.

Compliant with the most stringent industry guidelines the AW139 is capable of carrying up to 15 passengers in comfort and safety.

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



Photo by Ned Dawson



SUPERIOR PERFORMANCE IN ALL CONDITIONS

The AW139 provides Offshore operators best-in-class performance with a cruise speed of 165 knots / 306 kph, a max range of 675 nm / 1250 km, endurance up to 6 hours and superior Hover performance. The AW139's exceptional OEI capability brings added confidence during rapid deployment of personnel. With its power reserve, the AW139 assures Category "A" (Class 1) superior performance from a helipad (elevated or at ground level) at maximum take-off weight. Excellent performance is granted for operations worldwide, even in extreme hot-and-high environments or harsh conditions.

Full Ice Protection System (FIPS) is available for flying in known ice conditions.

NEW TECHNOLOGY FOR OPTIMUM CAPABILITY

State-of-the-art avionics and large displays, together with the 4-axis digital autopilot with hover mode and full digital electronic engine control (FADEC) minimise pilot workload and optimise operational efficiency. The AW139's ergonomic design, excellent handling characteristics and low vibration levels minimise pilot fatigue and enhance passenger comfort.

SAFETY BUILT-IN

Engineered to the highest safety standards the AW139 is constructed with energy-absorbing landing gear, fuselage and seats to meet the rigorous JAR / FAR 29 standards. In addition, the cockpit features excellent pilot visibility and redundant flight systems for reduced workload. Modern Health Usage Monitoring Systems (HUMS) diagnostic tools are available to maximise aircraft safety and minimise time on the ground. High main and tail rotor ground clearance ensures a safe environment for ground operations and maintenance crew.



LARGEST CABIN IN ITS CLASS

AW139's large, brightly lit, versatile cabin (8 m³ / 283 ft³) can be configured in a variety of layouts, with accommodation for up to 15 passengers (dependent on specific operator requirements) with large sliding doors for ease of entry / egress. An additional 3.4 m³ / 120 ft³ baggage compartment space is accessible from outside the helicopter.

Cabin length	2.70 m	8 ft 10 in
Cabin width	2.10 m	6 ft 11 in
Cabin height	1.42 m	4 ft 8 in



OFFSHORE IN SAFE HANDS

- Payload / Range - new generation of capability; long range tank available to extend reach
- Maximised all weather operation, with capability for flight into known ice conditions
- Vertical CAT A performance at Sea Level up to 40°C at MGW
- Spacious and bright cabin
- Ease of access and egress
- Low operating costs
- Modern equipment optimises TBO and Retirement Lives
- High useful load and high speed for increased productivity
- Next generation Safety - design, construction, operability and crashworthiness.

WORLDWIDE SUPPORT

AW139 is designed to maximise operational capability and minimise cost. Maintenance operations have been minimized by design, as have components subject to overhaul and replacement; reducing downtime for flight-intensive Offshore schedules. A worldwide network of service and support centres is already serving the Offshore industry, worldwide. Four full Level-D flight simulators are available for pilot training and maximised safety.



AW139 OFFSHORE CHARACTERISTICS

Dimensions		
Overall length (1)	16.66 m	54 ft 8 in
Overall height (1)	4.98 m	16 ft 4 in
Rotor diameter	13.8 m	45 ft 3 in
Propulsion		
Powerplant	(2) Pratt & Whitney PT6C-67C Turboshafts with FADEC	
Engine Ratings		
AEO Take off power	2 x 1,252 kW	2 x 1,679 shp
OEI 2.5 min contingency power	1,396 kW	1,872 shp
Weights (MTOW)		
Max ramp weight	6,450 kg	14,219 lb
Internal load (2)	6,400/6,800 kg	14,110/14,991 lb
External Load	6,800 kg	14,991 lb
Typical mission equipped weight	4,400 kg	9,700 lb
Capacity		
Crew	1-2	
Passenger seating	Up to 15	
Stretchers	4 stretchers (up to 5 attendants)	
Baggage compartment	3.4 m ³	120 ft ³
Performance (ISA, S.L., MTOW)		
VNE (IAS)	310 km/h	167 kt
Cruise Speed	306 km/h	165 kt
Max Rate of Climb	10.9 m/s	2,140 ft/min
HOGE	2,478 m	8,130 ft
Service Ceiling	6,096 m	20,000 ft
OEI service ceiling	3,536 m	11,600 ft
VTOL cat. A	945 m	3,100 ft
Maximum range (3)	1,250 km	675 nm
Maximum endurance (3)	5 h 56 min	

(1) Rotors turning
(2) An optional MTOW (internal) of 7,000 kg (15,430 lb) is available as a kit
(3) at 6,000 ft, No reserve, with Auxiliary fuel



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