

**SIMPLY NO RIVALS**

---

**AW139**  
**Search and Rescue**





# AW139

## 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, the AW139 surpasses all other intermediate twin engine helicopters 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 rating provides superior performance and excellent handling characteristics for maximum 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.





## SUPERIOR PERFORMANCE IN ALL CONDITIONS

The AW139 provides Search and Rescue (SAR) operators best-in-class performance, high cruise speed (165 knots / 306 kph), long range of (up to 675 nm / 1250 km) and endurance up to 6 hours for extended search patrols.

With its high power reserve, the AW139 delivers Cat. A, Class 1 capability from a helipad (elevated or at ground level, at Sea Level up to 40 °C at MGW) and excellent Hover performance, including One Engine Inoperative (OEI) condition, even in extreme hot-and-high environments.

Full Ice Protection System (FIPS) is available for flying in known icing 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 IS 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.

## THE LARGEST CABIN IN ITS CLASS

AW139's large, brightly lit, versatile cabin (8 m<sup>3</sup> / 283 ft<sup>3</sup>) can be configured in a variety of layouts, with accommodation for FLIR station operation, medical treatment and casualty evacuation requirements. Large sliding doors on each side provide clear access to the cabin for speed of ingress/egress.

An additional 3.4 m<sup>3</sup> / 120 ft<sup>3</sup> 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



## SAR CAPABILITY BEYOND THE NORM

- Long range endurance for extended search patrols
- Maximised all weather operation, with capability for flight into known icing conditions
- Advanced role equipment to cater for all situations
- Total cabin versatility - layouts and stowage
- Ease of access and egress
- Low operating costs - modern equipment optimises TBO and Retirement Lives
- Multi-role capability of EMS re-configuration
- Superior OEI (One Engine Inoperative) capability for safe operations from sea-level up to 11,600 ft and Vertical CAT A / Class 1 at MTOW up to ISA+25 °C
- Next generation safety - design, construction, operability and crashworthiness.



## WORLWIDE 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 SAR operators, worldwide. Four full Level-D flight simulators are available for pilot training and maximised safety.



## AW139 SAR CHARACTERISTICS

### Dimensions

Length overall <sup>(1)</sup>	16.66 m	54 ft 8 in
Overall height <sup>(1)</sup>	4.98 m	16 ft 4 in
Rotor diameter	13.8 m	45 ft 3 in

<sup>(1)</sup> Rotors turning

### Propulsion

Powerplant (2) Pratt & Whitney PT6C-67C Turboshfts with FADEC

### Engine Rating

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

### Weight (MTOW)

Max ramp weight	6,450 kg	14,219 lb
Internal load <sup>(2)</sup>	6,400	14,110
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 <sup>3</sup> 120 ft <sup>3</sup>

<sup>(2)</sup> An increased MTOW (internal) of 6,800 kg (14,991 lb) is available as optional kit

### Performance (ISA, S.L., MGW)

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
HOGF	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 <sup>(3)</sup>	1250 km	675 nm
Maximum endurance <sup>(3)</sup>	5 h 56 min	

<sup>(3)</sup> At 6000 ft, no reserve, with Auxiliary fuel



Visit  
[agustawestland.com](http://agustawestland.com)



You can also  
follow us on:

