

**EMS PRODUCTS**  
Catalogue

**AgustaWestland**



# A COMPREHENSIVE EMS PRODUCT RANGE

Finmeccanica Helicopter Division's product range is designed to meet the most demanding Emergency Medical Services (EMS) mission requirements; primary, secondary/ inter-hospital missions, search and rescue and disaster relief.

Operators worldwide are taking advantage of the most comprehensive, state-of-the-art product range for emergency response and air medical transportation missions, which has driven a tenfold increase in the Division's global EMS fleet since 1990.

## Operational Drivers

### SAFETY

To meet the immediate, reactive nature of EMS missions:

- State-of-the-art avionic suites for increased situational awareness
- Redundancy of the main helicopter systems
- Compliance with the latest safety certification and operational standards

### MISSION CAPABILITY

To facilitate fast and safe response to incidents, even in hot/high environments:

- Cat. A class 1 performance up to maximum certified take-off weight
- High endurance and long range
- Excellent hover performance
- One Engine Inoperative (OEI) performance
- Wide range of mission equipment

### PATIENT CARE

To provide an environment conducive to efficient patient care:

- Versatile, adaptable layouts allowing for combinations of seats, stretchers and medical equipment
- Access to the whole patient body
- Large sliding doors for rapid patient loading/unloading
- Spacious, comfortable cabin with low level vibration and large windows/ample lighting.

### VALUE

To maximise helicopter availability and reduce costs:

- Customer-tailored maintenance program and unrivalled operating costs
- Global customer support network in operation 24/7
- A comprehensive range of training solutions
- High residual value



**AW119<sup>Kx</sup>**

## Fast and Flexible

AW119Kx is the fastest light single-turbine helicopter in the 3-ton class, delivering outstanding controllability and manoeuvrability, even in hot and high conditions.



### SPACIOUS WORKING ENVIRONMENT

The AW119Kx features a ultraversatile cabin, typical of a larger helicopter.

Capable of accommodating 4 medical attendants and a single stretcher or 2 attendants in dual stretcher configuration, with access to the whole patient body and a comprehensive suite of medical equipment; the cabin is quickly re-configurable for a wide variety of EMS missions. Large sliding doors allow for swift, easy loading and unloading of the patient.

The cockpit can be isolated from the cabin, allowing pilots to focus on mission objectives.

In addition to the cabin stowage area, there is a separate large baggage compartment.

### AVIONICS

The state-of-the-art glass cockpit Enhances situational awareness, thus improving safety and reducing the pilot workload.

### SAFETY

Hydraulic, electrical, fuel, and automatic stabilisation systems redundancies, are demonstrated safety features typical of light twin engine helicopters.



## Rugged and Reliable

The AW109 Trekker is the newest light twin-engine helicopter in the 3-ton class.

Equipped with robust skid landing gear and a comprehensive range of mission equipment (including: cargo hook, external rescue hoist, cable cutter, searchlight, external loudspeaker, snow skis), the aircraft is designed to operate in the most demanding operating conditions.

The flexible cabin layout is rapidly reconfigurable to mission requirements. Excellent performance, controllability and manoeuvrability, combined with inherent safety and robustness, ensure capability and mission readiness.



## See Further. Go Anywhere

The GrandNew sets the capability standard for light twin-engine 3-ton class helicopters; its high performance, cabin comfort and payload are typical of helicopters in a higher weight class.

### ERGONOMIC INTERIORS

GrandNew cabin interior is designed to maximise efficiency of medical crew. Inherent flexibility allows for single and dual stretcher configurations with up to 4 seats for medical crew (up to 7 in passenger configuration) with access to the full body of the patient.

### HIGH PERFORMANCE

GrandNew offers best-in-class performance. Certified Cat. A class 1 performance, uncompromised payload up to ISA+20 (35°C @ Sea Level) and minimised footprint allow for safe landing in confined areas.

### ADVANCED NAVIGATION

GrandNew features a latest-generation navigation suite, based on a dual Flight Management System (FMS) and advanced digital dual-duplex 4-axis autopilot, incorporating GNSS/SBAS capabilities providing lateral and vertical guidance for in-flight procedures, including approach operation to LPV minima.

An ergonomic glass cockpit further integrates Synthetic Vision System (SVS) and Helicopter Terrain Awareness and Warning Systems (HTAWS) functions to reduce crew workload and to enhance safety in single and dual pilot operations.



# AW169

## Next Generation Versatility

AW169 is the first brand new helicopter developed for the light-intermediate (4.6 tonnes) since decades.

Engineered to the highest safety standards and designed around the patients needs, AW169 is ideally suited to primary and secondary missions and rescue services and benefits of the AW139 experience in EMS operation belonging to the AWFamily of products (with AW139 and AW189).

### UNRIVALLED FLEXIBILITY

The AW169 features the most spacious cabin in its class and a constant cross-sectional height of 1.32 m.

The flexible accommodation can support 2 stretchers either longitudinally or transversally with 5 medical crew or 1 stretcher and up to 7 crew with access to the whole patient body from both sides for highest quality care.

Two large sliding doors (1.6m wide) allow for swift, easy loading and unloading of the patient on the ground or during hoisting operations.

### UNCOMPROMISED SAFETY

Superior airframe and rotor design combined with 2 powerful Pratt & Whitney PW210A engines with FADEC provide unrivalled Cat. A PC1 performance even in demanding hot and high conditions. Fuel consumption and CO<sub>2</sub> emissions are minimised.

AW169 features full crashworthy composite airframe and seats, excellent external visibility for both pilots, high rotor clearance for ground safety and latest-generation avionics for single/dual pilot IFR operations.

Synthetic Vision System (SVS), Helicopter Terrain Awareness and Warning Systems (HTAWS), TCAS, HUMS and Flight Data Monitoring systems are part of the AW169 standard configuration.



# AW139

## Simply No Rivals

The AW139 is the market-leading medium twin-engine helicopter (6.4 / 7.0 tonnes). Operators worldwide benefit from unparalleled safety, performance and operational capability. AW139 belongs to the AWFamily of products (with AW169 and AW189).

### SUPERIOR PERFORMANCE IN ALL CONDITIONS

The AW139 benefits from the fastest cruise speed and highest power to weight ratio in its category.

Certified Cat. A Class 1 performance at MGW (40°C @ Sea Level) enables Vertical Take-Off and Landing (VTOL) in confined areas and on uneven terrain. The AW139 is the only helicopter in its class to fully satisfy the latest FAR29 and AIROPS regulations, incorporating crashworthiness and survivability features.

### SPACE TO PERFORM

AW139 features the largest internal volume in its class, with accommodation for 2-4 stretchers with up to 5 seats. It meets the demanding Intensive Care and Medevac mission requirements.

Large sliding doors provide unobstructed access to the multimission flat floor cabin for easy loading and unloading of patients on the ground and during hoisting operations.





**AW189**

## Latest Generation Performance

The AW189 is a brand new super medium class (8.3 / 8.6 tonnes), twin-engine helicopter.

Belonging to the AWFamily of products (with AW169 and AW139), operators can leverage the advantage of a common design philosophy across platforms.

AW189 has been selected for service by world-class SAR operators, demanding long range and high payload capability. The spacious, unobstructed cabin can accommodate rescue crew, multiple longitudinal or transversal stretchers and mission consoles.

**AW609**  
TILTROTOR

## Faster, Further, Higher

The AW609 is the world first commercial TiltRotor, combining VTOL capability with the speed, altitude and all-weather flying advantages of fixed-wing flight.

AW609 extends the current boundaries of SAR and EMS operations, enabling medical professionals to access areas previously unreachable.

Capable of 275kts cruise speed and up to 700nm range, the AW609 can cover distances in half the time of conventional helicopter systems. Fully de-iced and with a pressurised cabin, it can fly at altitudes up to 25,000ft.

Cat. A Class 1 performance at MTOW, Fly-by-Wire and fully digital glass cockpit with satellite navigation ensures maximum safety in all conditions.





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