

Executive Transport

AW139



AgustaWestland

A Finmeccanica Company



MORE THAN A NEW AIRCRAFT



SUPERIOR PERFORMANCE
UNDER ALL CONDITIONS



ADVANCED TECHNOLOGY



SAFETY IS BUILT IN



MORE ROOM TO WORK



WORLDWIDE SUPPORT

MORE BUSINESS THAN USUAL

- The benchmark for executive helicopters
- Engineered to the highest safety standards
- Superior performance in any condition
- The largest passenger cabin in its class

MORE BUSINESS THAN USUAL

MORE THAN A NEW AIRCRAFT

The AW139, a member of the AgustaWestland Family, is the new benchmark for executive helicopters. Designed to meet the rigorous standards of those who demand the best, the AW139 surpasses all other medium twin-engine helicopters in capability, speed, ride quality and passenger cabin space.

From its sleek design to its state-of-the-art avionics to its luxurious accommodation and low noise signature, the AW139 is setting new standards. It's the ultimate expression of power and performance, with style.

SUPERIOR PERFORMANCE IN ANY CONDITION

The AW139 delivers best-in-class performance with a cruise speed of 165 knots / 306 kph, a range in excess of 500 nm / 927 km, endurance of 5 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.

ADVANCED TECHNOLOGY

State-of-the-art avionics and large displays work together with the 4-axis digital autopilot with auto hover and full digital electronic engine control (FADEC) to minimise pilot workload.

The AW139's ergonomic design, excellent handling characteristics and low vibration levels further reduce pilot fatigue and enhance VIP passenger comfort.

SAFETY IS BUILT-IN

Engineered to the highest safety standards the AW139 is constructed with energy-absorbing landing gear, fuselage and seats all designed to meet the rigorous JAR / FAR 29 standards. In addition, the cockpit features excellent pilot visibility and redundant flight systems.

High main and tail-rotor ground clearance provides added safety for VIP's and maintenance teams whilst on the ground.



THE EXECUTIVE OFFICE

MORE ROOM TO WORK

With the largest passenger cabin in its class the AW139 can accommodate its passengers in a spacious, comfortable and quiet environment. The unobstructed cabin design allows maximum flexibility for seating configurations whilst providing its passengers with excellent visibility through the six large cabin windows. Ample room is available for accessories such as telecommunications, work areas, refreshments and stowage space.

The baggage compartment, with an additional 3.4 m³ / 120 ft³, is easily accessible from outside the helicopter.

| | | |
|--------------|--------|---------|
| Cabin length | 2.70 m | 8.86 ft |
| Cabin width | 2.10 m | 6.89 ft |
| Cabin height | 1.42 m | 4.66 ft |



- High tail rotor ground clearance
- 4 Blade canted tail rotor
- Ice detection & active protection (optional)
- 5 Blade fully articulated main rotor system
- Large unobstructed cabin
- Excellent visibility
- Day / night IFR all weather operations
- Crashworthy crew / passenger seats
- Two large "Plug in" type sliding doors (5.5 ft / 1.68 m wide)
- Large baggage compartment accessible both sides

GUARANTEED SUPERIOR VIP PRODUCTIVITY AND CAPABILITY

- Superior OEI capability for safe operations from sea-level up to 11,600 ft
- Maximised all weather operation
- Performance for operations in confined / congested areas (CAT A / Class 1 at MTOW)
- High useful load and high speed for increased productivity
- Spacious and bright cabin for added space, comfort and flexibility
- Ease of access and egress
- Low operating costs - modern equipment optimises TBO & retirement lives
- Low noise signature, >5db below ICAO requirements making it the "city friendly" helicopter
- Next generation safety, design, construction, operability and crashworthiness

AW139 TYPICAL VIP EQUIPMENT

- Single / Dual Pilot IFR
- HUMS (Health & Usage Monitoring System)
- EGPWS (Enhanced Ground Proximity Warning System)
- Emergency floats
- Air conditioning
- TCAS (Traffic & Collision Avoidance System)
- CVR / FDR
- Weather Radar
- HEELS (Helicopter Emergency Exit Lighting System)
- Four axis auto pilot
- Digital Moving Map
- VIP layouts meeting customer needs
- In-flight entertainment (IFEEL)

WORLDWIDE SUPPORT

As a recent addition to the AgustaWestland product range the AW139 benefits from an extensive global network of customer representatives, technicians and engineers, complemented by repair, overhaul and spares facilities throughout the world.

Two level-D full flight simulators are already in service to maximise pilots training contributing to safety.

AW139 CHARACTERISTICS

(The AW139 is a rebranding of the AB139 which is type certificated by EASA, as the primary certification authority, under Type Certificate no. R006)

DIMENSIONS

| | | |
|-------------------------------|---------|------------|
| Length overall ⁽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 Turboshifts 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 | | |
| Internal load ⁽²⁾ | 6,400 kg | 14,110 lb |
| External Load | 6,800 kg | 14,991 lb |
| Typical Corporate equipped weight | 4,600 kg | 10,141 lb |

CAPACITY

| | | |
|---------------------|--|---------------------|
| Flight crew | 1 - 2 | |
| Passenger seating | Up to 15; typically 6-8 in corporate configuration | |
| Baggage compartment | 3.4 m ³ | 120 ft ³ |

⁽¹⁾ Rotors turning

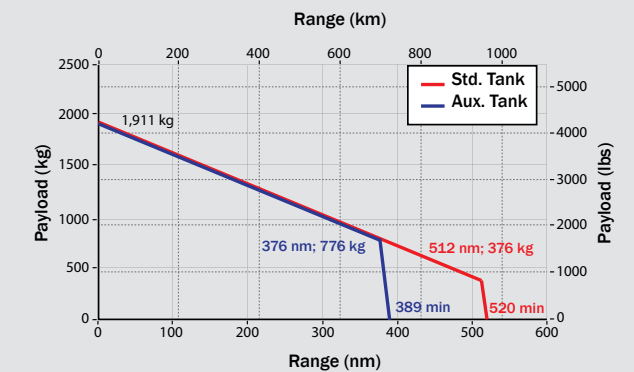
⁽²⁾ An optional MTOW (Internal) of 6,800 kg (14,991 lb) is available as a kit



PERFORMANCE (ISA, S.L., MGW)

| | | |
|---------------------------------|--------------|----------------|
| VNE | 310 kph | 167 kts |
| Cruise speed | 306 kph | 165 kts |
| 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* (no reserve) | 1,028 km | 555 nm |
| Maximum endurance* (no reserve) | 5 hrs 02 min | |

*With auxiliary fuel



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