

Executive Transport

Airand



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AgustaWestland
A Finmeccanica Company



SAFETY IS A TOP PRIORITY



ENVIRONMENTALLY FRIENDLY



VERSATILITY



A NEW STANDARD IN PASSENGER ROOM



ADVANCED TECHNOLOGY

LOW OPERATING COSTS

A NEW STANDARD IN PASSENGER ROOM

- Spacious passenger cabin for high comfort and accessibility
- High speed, excellent flying qualities
- Low level of internal and external noise
- Unrivalled Cat. A - Class 1 performance at MTOW in hot/high environment
- State-of-the-art avionics for single/dual pilot IFR operation

NEW STANDARDS IN SPACE AND COMFORT

A NEW STANDARD IN PASSENGER ROOM

AgustaWestland is proud to introduce a state-of-the-art light twin helicopter, developed to meet diversified market demands, and providing levels of cabin space and payload which until now could only be met by larger and more expensive helicopters.

A WIDE RANGE OF COMMERCIAL PRODUCTS

AgustaWestland offers the marketplace a modern and comprehensive commercial product line, ranging from single-engine to heavy multi-engine helicopters. Certified in June 2005 by EASA, the Grand becomes a natural addition to the product line, at the upper end of the light twin FAR/JAR 27 segment.

SAFETY IS A TOP PRIORITY

Safety by design:

- Cocoon-type airframe with crash resistant fuel system
- Crash resistant passenger and crew seats
- Reliable, state-of-the-art PW207C turboshaft engines with FADEC
- "Category A" design, which provides: single engine flight capability, system duplication and redundancy, full "Class 1" capability, which allows landing and take-off from the very smallest sites in urban areas

Safety in Operations:

- Ergonomic, low-workload cockpit layout for single pilot IFR operations
- Excellent external visibility
- Comprehensive, modern avionics systems, based on six Liquid Crystal Displays
- Selection of advanced avionics systems and specific mission equipment
- Availability of a full flight simulator for top quality training

ENVIRONMENTALLY FRIENDLY

LOW NOISE

- New main and tail rotor system design for low external noise
- Take-off, fly-over and approach certification data is well below the most stringent international requirements
- Low disturbance for operations in densely populated areas

LOW EMISSIONS

- Smoke-free modern technology turboshaft engines
- Low specific fuel consumption
- Low emission of pollutants



SPACE AND ACCESSIBILITY

The Grand offers a spacious and unobstructed long passenger cabin, providing high levels of comfort and many cabin layout options.

- Luxurious 5-6 seat "club" layout for Corporate-VIP operations
- Airline "business class" seat pitch in the forward-facing layout
- Large passenger sliding doors, 1.40m / 4'7" wide
- Excellent accessibility
- Long and easily accessible baggage compartment with high load capacity

VERSATILITY

- Capability typical of larger FAR/JAR 29 helicopters, whilst retaining light twin acquisition and operation costs
- Spacious passenger cabin which may be configured for many applications
- Large array of dedicated mission equipment
- Excellent platform for a wide series of roles:
 - Corporate/VIP
 - Emergency Medical Service (EMS)
 - Search and Rescue (SAR)
 - Law Enforcement
 - Border/Coast Patrol
 - Offshore Transport

LOW OPERATING COSTS

The AgustaWestland Grand incorporates new design features aimed at minimising maintenance costs, contributing to overall low operating cost. In addition, a choice of fixed-cost material support programmes for the aircraft and its components provide customers with comprehensive support at an attractive cost

ADVANCED TECHNOLOGY

- Composite main and tail rotor blades, for low noise and vibration levels
- FADEC controlled, powerful engines for excellent performance
- Main gearbox and transmission drive system with high ratings
- Crashworthy seats and crash resistant fuel cells
- Advanced avionics and integration for day and night, single and dual pilot, IFR operations

GRAND CHARACTERISTICS

DIMENSIONS

Length (rotors turning)	12.96 m	42.50 ft
Height (top of tail fin)	3.44 m	11.25 ft
Width (main rotor blade at 45°)	7.76 m	25.50 ft
Main rotor clearance (rotor turning, controls in neutral position)	2.45 m	8.00 ft
Tail rotor clearance (rotor turning)	1.00 m	3.25 ft

PROPULSION

Powerplant	(2) Pratt & Whitney Canada PW207C Turboshaft with FADEC	
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ENGINE RATING

AEO take off power (5 min)	2 x 548 kW	2 x 735 shp
AEO maximum continuous power	2 x 466 kW	2 x 625 shp
OEI 2.5 min contingency power	608 kW	815 shp
OEI maximum continuous power	548 kW	735 shp

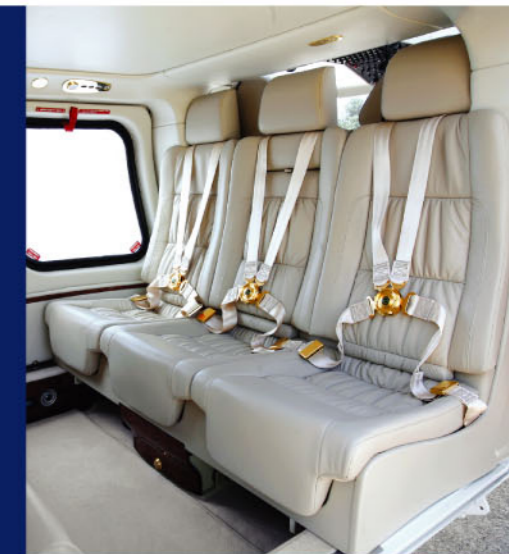
WEIGHT

Basic empty weight	1655 kg	3649 lb
Max gross weight (internal loads)	3175 kg	7000 lb
Max gross weight (external loads)	3200 kg	7055 lb

CAPACITY

Flight crew	1 - 2	
Passenger seating	up to 6	
Baggage compartment	2.30 m long	120 cu ft

The data set forth in this document are general in nature and may vary with conditions. For performance data and operating limitations for any specific mission, reference must be made to the approved flight manual.



PERFORMANCE (ISA, SL, MGW)

Maximum cruise speed (TAS)	287 km/h	155 kts
Recommended cruise speed (TAS)	250 km/h	135 kts
Rate of climb (top)	9.30 m/s	1830 ft/min
Max range		
3-cell fuel system (450 kg usable fuel - no reserve)	546 km	295 nm
5-cell fuel system (634 kg usable fuel - no reserve)	800 km	432 nm
Max endurance		
3-cell fuel system (450 kg usable fuel - no reserve)	2:45 h:min	
5-cell fuel system (634 kg usable fuel - no reserve)	4:03 h:min	

