

Executive Transport

AW109 *Power*



AgustaWestland
A Finmeccanica Company



THE NEW STANDARD
IN EXECUTIVE TRANSPORT



ELEGANCE AND EXCLUSIVITY



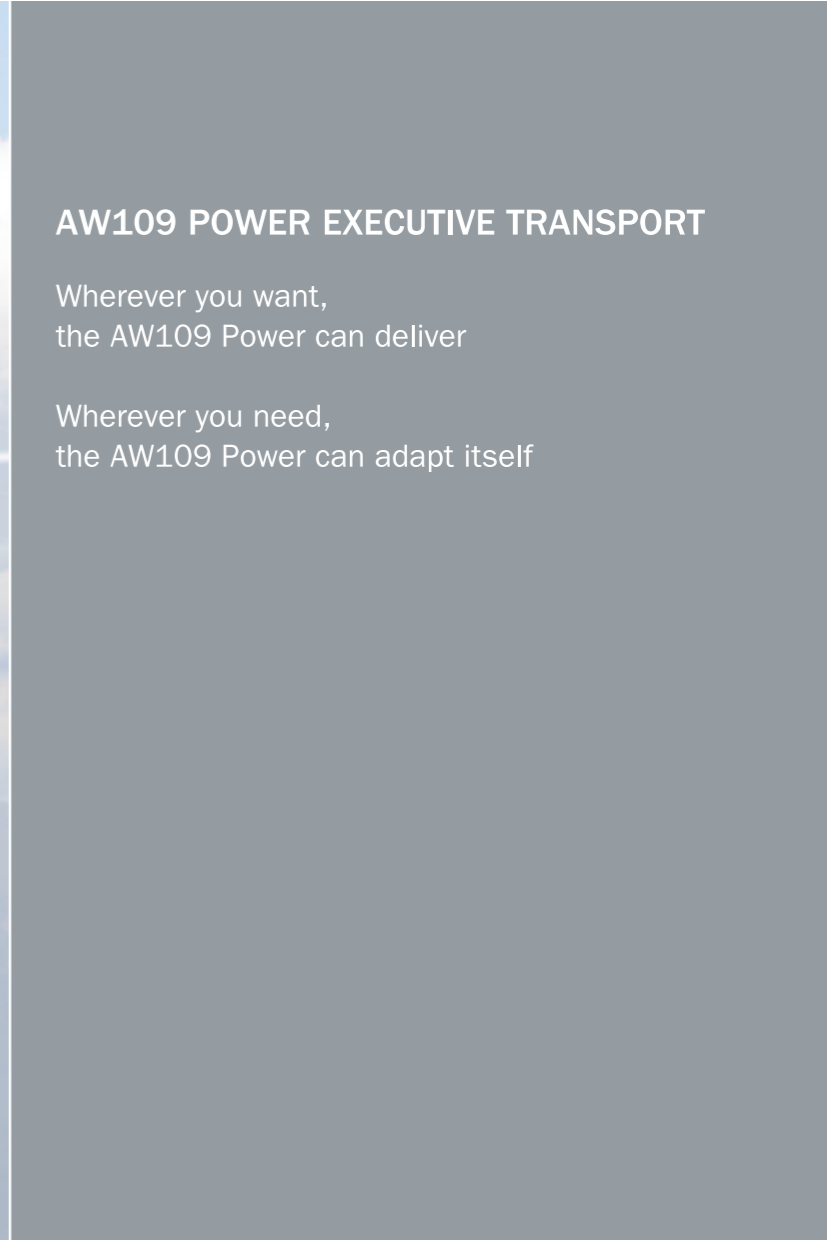
MAXIMUM SAFETY
AND EFFICIENCY



ADVANCED TECHNOLOGY



THE REASON OF A SUCCESS



AW109 POWER EXECUTIVE TRANSPORT

Wherever you want,
the AW109 Power can deliver

Wherever you need,
the AW109 Power can adapt itself

WORLDWIDE SUPPORT

THE NEW STANDARD IN EXECUTIVE TRANSPORT

AgustaWestland has been a leader in providing helicopters to serve the needs of the corporate community for years with the AW109 Power twin-turbine helicopter. Today's dynamic global business environment rewards those able to react to opportunities decisively, quickly, and prudently. No doubt, tomorrow's expectations will be even more demanding. No doubt AW109 Power already meets these expectations.

ELEGANCE AND EXCLUSIVITY

Designed to give a new and unique solution to a wide range of employments, the AW109 Power has taken the light twin turbine helicopter market by storm. Since its introduction in 1997, hundreds have been sold around the world. After all, the AW109 Power offers its private use and corporate operators precisely what they have been looking for: cost effectiveness combined with elegance, high speed, high productivity, and flexibility.

MAXIMUM SAFETY AND EFFICIENCY

The AW109 Power is an 8 place cabin class helicopter, it combines safety attributes such as single or dual pilot instrument flight capability and technically superior operational characteristics such as a 154 knot cruise speed (285 km/h), with a spacious passenger cabin and an internal and an external baggage compartment. All with a ride quality far superior to any competitor. Always a leader in the corporate and VIP market, the AW109 Power sets the new standard in its class.

INTERIORS

The spacious cabin allows the choice of different interior configurations with 5 or 6 seats, custom tailored and finished to the highest Italian craftsmanship level.

INTERIOR AND COMFORT

- Bleed air heater
- Air conditioning
- Soundproofing
- Refrigerated drawer
- Entertainment system
- Luxury cabin finishing customized as per Customer's selection.



ENGINES

Two engine options, either the PW 206C or the Turbomeca Arrius 2K-1, are available, providing the customer the ability to choose the best solution for his needs.

AVIONICS

In addition to the basic communications and navigation series, the avionics package can be further tailored to include additional customer required equipment.

- KING Silver Crown or COLLINS ProLine II avionics package
- LCD Electronic Flight Instruments
- AFCS 3 axis duplex
- Flight director and autotrim
- Radar altimeter
- ELT
- GPS coupled to AFCS
- Moving map
- 3rd ICS control panel
- TAS
- Weather Radar
- Stormscope
- Satellite telephone
- CVR/FDR

ADDITIONAL EQUIPMENT

- Dual controls
- Rotor brake
- Windshield wipers
- Reinforced windshield pilot/copilot
- Snow skis/Slump protection pads
- Emergency floats and life rafts
- Engine particle separator
- Engine compartment fire extinguisher
- Baggage compartment extension (2.3 m)
- Pulsed chip detectors



THE REASON OF A SUCCESS

- Excellent performance including full CAT A up to maximum weight
- Excellent flying qualities, high controllability and manoeuvrability
- Functional and proven cabin lay-out for easy accessibility from both sides
- IFR avionic package for single or dual pilot operation including 3 axis duplex autopilot with Flight Director
- Engine monitoring and aircraft warnings (with voice annunciation) on dual liquid crystal multifunction displays (IDS)
- Great safety, "fail safe" design and redundancy of all systems
- Reduced maintenance requirements due to the wide use of reliable and "on condition" components
- Maintenance programmes at guaranteed cost available either for the airframe and the engines.

WORLDWIDE SUPPORT

As the last model of the A109 well known family the AW109 Power benefits from an extensive global network of customers representatives, technicians and engineers, complemented by repairs, overhaul and spare facilities throughout the world.

A Level-D full flight simulator will maximise pilots training and will contribute to safety.

INTERNAL DIMENSIONS AND VOLUMES

PASSENGER CABIN

Max length	2.10 m	6.89 ft
Max width	1.61 m	5.28 ft
Max height	1.28 m	4.20 ft
Volume	3.50 cu m	123.60 cu ft

BAGGAGE COMPARTMENT

Max length (with optional extension)	2.30 m	7.55 ft
Max width	1.10 m	3.60 ft
Max height	0.71 m	2.33 ft
Volume	0.95 cu m	33.55 cu ft

PERFORMANCE (ISA, 2850 kg/6283 lb)

VNE (S.L.)	311 km/h	168 kts
Max cruise speed (S.L.)	285 km/h	154 kts
Rate of climb (S.L.)	9.8 m/s	1,930 ft/min
Hovering IGE	5,059 m	16,600 ft
Hovering OGE	3,596 m	11,800 ft
Service ceiling	5,974 m	19,600 ft
OEI max service ceiling	3,993 m	13,100 ft
Max range ⁽¹⁾	948 km	512 nm
Max endurance ⁽¹⁾	4h 51 min	

⁽¹⁾ with 221 USGal fuel, no reserve, @5000 ft.

TECHNICAL DATA

EXTERNAL DIMENSIONS

Length (rotors turning)	13.04 m	42.78 ft
Length (fuselage)	11.45 m	37.57 ft
Width (main rotor blades)	7.80 m	25.60 ft
Maximum height	3.50 m	11.48 ft
Main rotor diameter	11.00 m	36.09 ft
Tail rotor diameter	1.94 m	6.36 ft
Main rotor tip blade ground clearance	2.45 m	8.04 ft
Belly ground clearance	0.40 m	1.31 ft
Cabin floor height	0.42 m	1.38 ft

ENGINE RATING (2 x Pratt & Whitney PW206C)

Take off power (5 min)	2 x 477 kW	2 x 640 shp
Maximum continuous power	2 x 423 kW	2 x 567 shp
O.E.I. Max contingency (2.5 min)	546 kW	732 shp
O.E.I. Max continuous power	500 kW	670 shp

ENGINE RATING (2 x Turbomeca Arrius 2K-1)

Take off power (5 min)	2 x 500 kW	2 x 670 shp
Maximum continuous power	2 x 425 kW	2 x 570 shp
O.E.I. Max contingency (2.5 min)	560 kW	750 shp
O.E.I. Max continuous power	500 kW	670 shp

TRANSMISSION RATING

Take off (5 min)	671 kW	900 shp
Max continuous	671 kW	900 shp
OEI max contingency (2.5 min)	478 kW	640 shp
OEI max continuous power	417 kW	560 shp

WEIGHT

Max Gross Weight (int. loads) ⁽²⁾	2850/3000 kg	6283/6614 lb
Max Gross Weight (sling loads)	3000 kg	6614 lb
Basic Empty Weight	1590 kg	3505 lb

⁽²⁾ 3000 kg MGW with the application of Increased Internal Gross Weight Mod. 109-0823-22

FUEL CAPACITY

3 cell fuel system	605 l	160 USG
4 cell fuel system	699 l	185 USG
5 cell fuel system	835 l	221 USG

CREW

Pilot / Passengers	1/7
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AgustaWestland reserves the right to make configuration and data changes at any time without notice. The facts and figures contained in this document do not constitute any offer of contract with AgustaWestland.



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