

SPARFELL



SPECIFICATIONS

AGUSTAWESTLAND
AW109E POWER "ELITE"

AIRCRAFT EXECUTIVE SUMMARY



A GREAT PEDIGREE

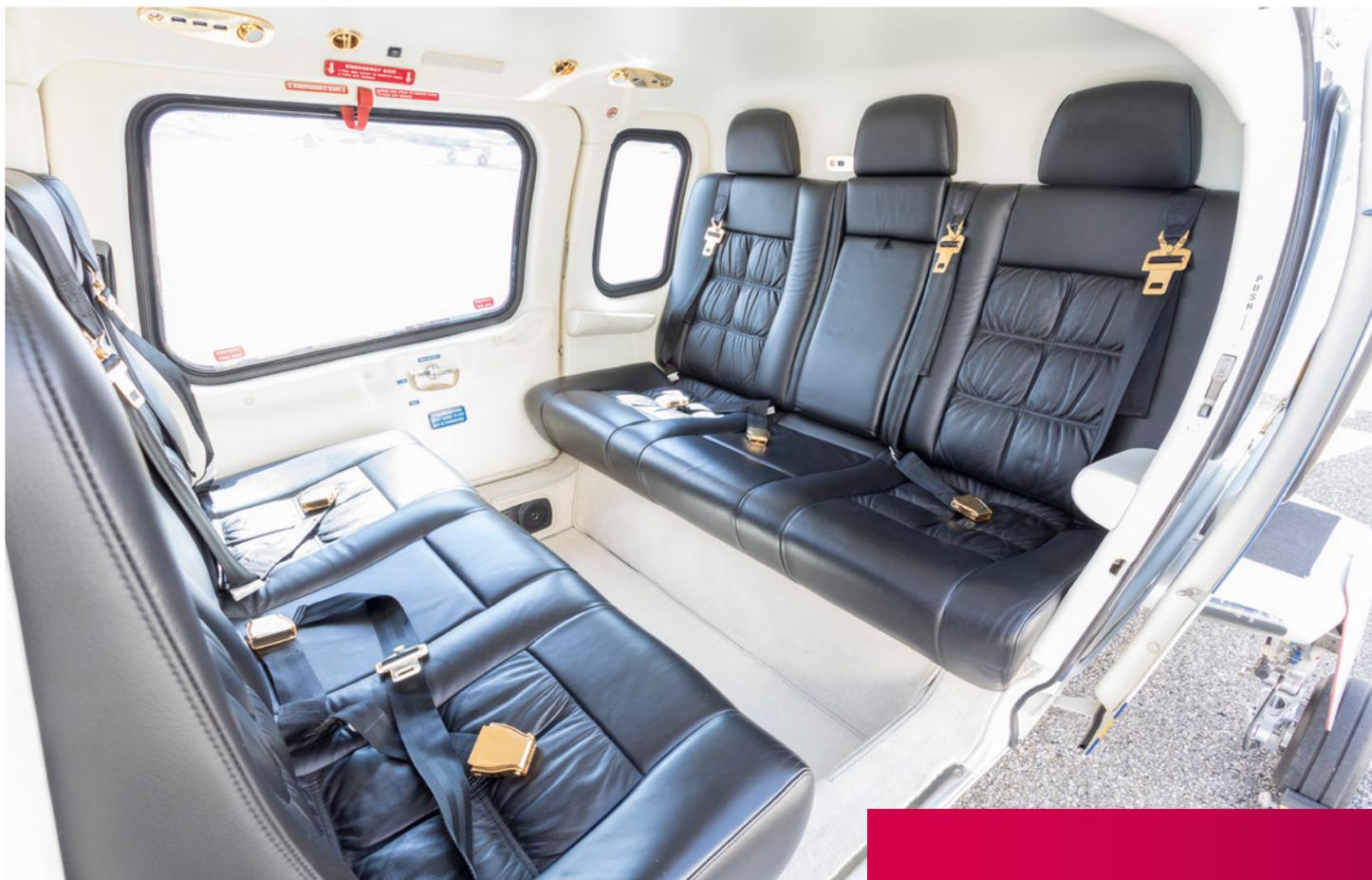
2008 AW109E Power "Elite"
operated by Swiftcopters
Geneva.

EXECUTIVE SUMMARY

Aircraft Manufacturer	AgustaWestland
Aircraft Type	AW109E Power "Elite"
Current Registration	HB-ZSG
Serial Number	11728
Year of Manufacture	2008
Airframe Total Hours*	305
Airframe Total Cycles*	692
Certification	EASA
Passenger Configuration	6 + 1 Seats

*as of July 2020

AIRCRAFT HIGHLIGHTS



IMMACULATE CABIN

The cabin configuration is 6 + 1 seats.

HIGHLIGHTS

6 + 1 Seats Configuration

EASA Certification

Only 305 Hours Total Time Airframe

Engines on Program

AGUSTAWESTLAND AT A GLANCE



The AgustaWestland AW109 is a lightweight, twin-engine, eight-seat multi-purpose helicopter built by the Italian manufacturer Leonardo (formerly AgustaWestland, merged into the new Finmeccanica since 2016).

The AW109 has been in continuous production for 40 years.

This rotorcraft had the distinction of being the first all-Italian helicopter to be mass-produced.

Developed as the A109 by Agusta, it originally entered service in 1976 and has since been used in various roles, including light transport, medevac, search-and-rescue, and military roles.

The Agusta A109 was renamed the AW109 following the July 2000 merger of Finmeccanica S.p.A. and GKN plc's respective helicopter subsidiaries Agusta and Westland Helicopters to form AgustaWestland.

The AW109 Power delivers outstanding multi-role flexibility. Users benefit from high cruise speed and excellent performance: the platform is mission-capable day or night, for single or dual pilot IFR. Engines are FADEC controlled and redundancy in all critical systems ensure safety of operation in the most demanding circumstances.

SPECIFICATIONS

AIRFRAME

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Certification	EASA

ENGINES

Manufacturer	Pratt & Whitney
Type	PW206C
#1 Engine S/N	BH-0701
#1 Engine Total Hours*	305
#1 Engine Total CT Cycles*	437
#1 Engine Total PT Cycles*	569
#1 Engine Total IMP Cycles*	365
#2 Engine S/N	BH-0702
#2 Engine Total Hours*	305
#2 Engine Total CT Cycles*	433
#2 Engine Total PT Cycles*	570
#2 Engine Total IMP Cycles*	351
Engines Program	JSSI

*as of July 2020



SPECIFICATIONS

MAJOR INSPECTION STATUS

INSPECTION	LAST PERFORMED	NEXT DUE
12-Month Check	August 2018	August 2020
400 Hours	-	At 400 Hours - 94 Hrs Remaining
800 Hours	-	At 800 Hours - 494 Hrs Remaining
3'200 Hours	-	At 3'200 Hours - 2894 Hrs Remaining

ROTORS BLADES GEARBOX

MAIN ROTOR BLADES	TOTAL TIME	REMAINING LIFE (25'000 HRS)
Blade 1	185 Hours	24'815 Hours
Blade 2	185 Hours	24'815 Hours
Blade 3	185 Hours	24'815 Hours
Blade 4	185 Hours	24'815 Hours

MAIN ROTOR SERVOACTUATOR	TOTAL TIME	REMAINING BEFORE TBO (AT 1'800 HOURS)
Blue	894 Hours	905 Hours
Yellow	652 Hours	1'174 Hours
Red	1'555 Hours	244 Hours

MAIN ROTOR DAMPER	TOTAL TIME	REMAINING BEFORE TBO (AT 1'200 HOURS)
Number 1	185 Hours	1'014 Hours
Number 2	185 Hours	1'014 Hours
Number 3	185 Hours	1'014 Hours
Number 4	185 Hours	1'014 Hours

SPECIFICATIONS

MAIN TRANSMISSION ASSY	TOTAL TIME	REMAINING BEFORE TBO (AT 4'800 HOURS)
Main Gear Box	305 Hours	4'494 Hours

TAIL ROTOR BLADES	TOTAL TIME	REMAINING LIFE (25'000 HRS)
Blade 1	185 Hours	24'814 Hours
Blade 2	185 Hours	24'814 Hours

TAIL ROTOR SERVO ACTUATOR ASSY	TOTAL TIME	REMAINING BEFORE TBO (AT 1'800 HOURS)
Tail Servoactuator	1'935 Hours - 170 Hours SOH	1'630 Hours

TAIL ROTOR GEARBOX ASSY	TOTAL TIME	REMAINING BEFORE TBO (AT 3'000 HOURS)
Tail Gearbox	185 Hours	2'814 Hours

ENGINES

ENGINES	INSPECTION	TOTAL TIME	REMAINING BEFORE TBO
Engine 1	800 Hours	185 Hours	615 Hours
Engine 2	800 Hours	185 Hours	615 Hours

ENGINES	INSPECTION	LAST PERFORMED	NEXT DUE
Engine 1	12 Months	August 2019	19 August 2020
Engine 2	12 Months	August 2019	19 August 2020

SPECIFICATIONS



PERFORMANCE

Maximum Speed	154 Kts	Hover IGE	10'000 ft
Long Range Speed	140 Kts	Hover OGE	9'200 ft
Seats Full Range	260 Nm	Engines (x2)	PW206C
Maximum Ceiling	15'000 ft	Thrust Level	640 SHP
Service OEI ⁽¹⁾	11'700 ft		

WEIGHTS

LBS

KG

Maximum Take-off Weight	6'614	3'000
Basic Operating Weight	4'275	1'939

Source: Conklin & de Decker

RANGE



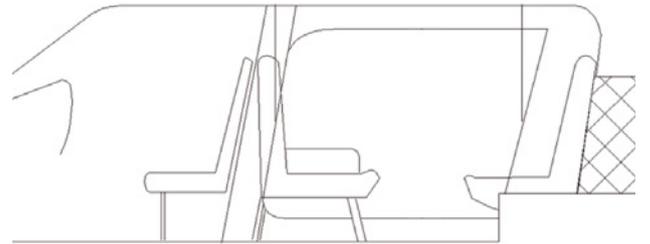
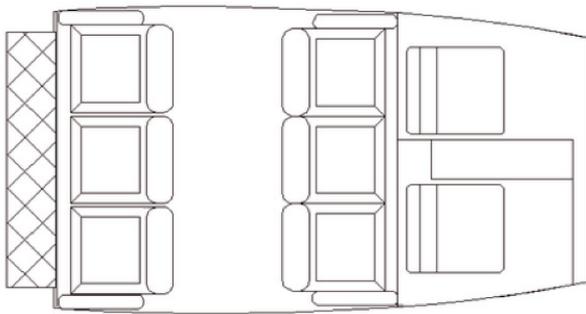
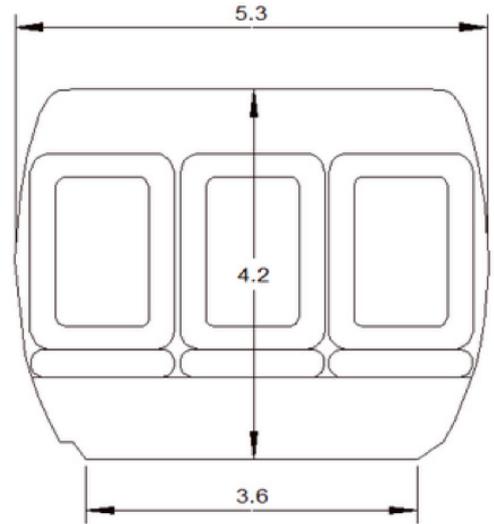
CABIN

SUMMARY

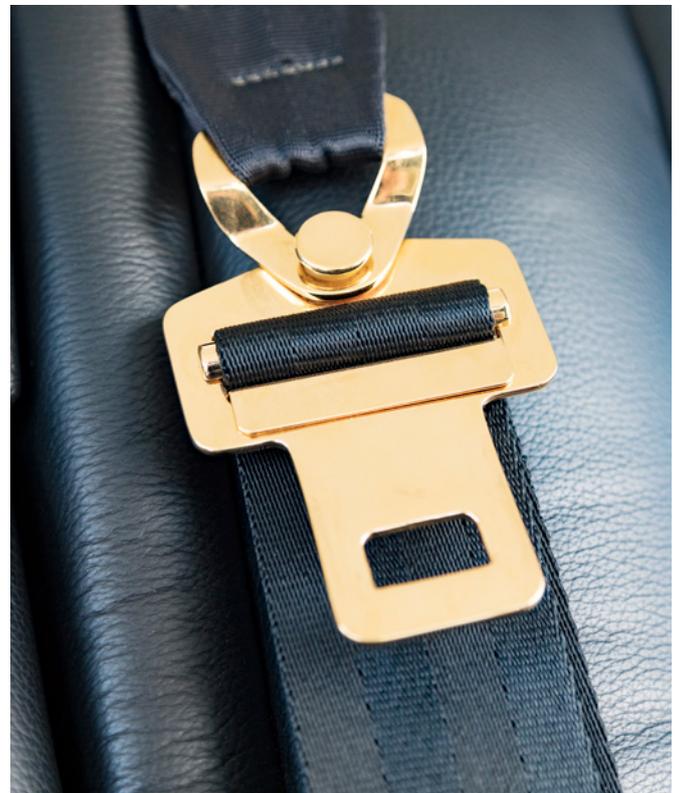
6 + 1 SEATS CONFIGURATION

Length	6'89" ft/in
Height	4'20" ft/in
Width	5'30" ft/in
Volume	125 Cu. ft
Baggage volume	44 Cu. ft

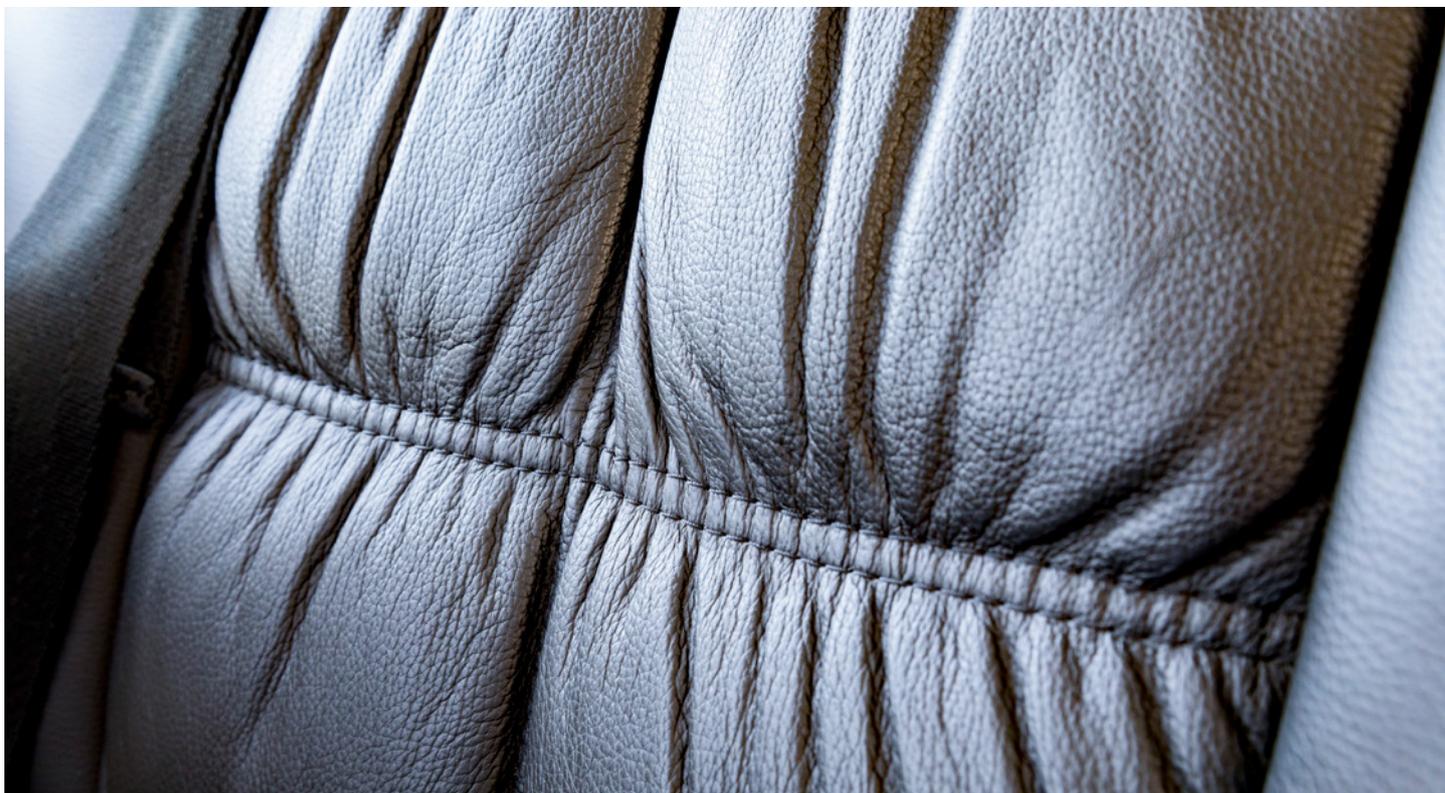
Source: Conklin & de Decker



CABIN



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SPARFELL



CONTACT

SPARFELL
18 Chemin des Papillons
1215 Geneva Airport
Switzerland

contact@sparfell.aero
+41 22 787 08 77

WWW.SPARFELL.AERO

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