

2024 Leonardo AW109SP GrandNew "Elite"

#22462
G-CMUV



CONTACT

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VIRTUAL TOUR

2024 Leonardo AW109SP GrandNew "Elite"

#22462 | G-CMUV



TOTAL HOURS

50 hours since new

ENGINES

Two Pratt & Whitney PW207C
Turbo-shaft engines

#	S/N	TSN
1	PCE-BH1137	50
2	PCE-BH1139	50

HIGHLIGHTS

5 year Leonardo warranty

Elite completion package

Hangared near Heathrow Int Airport, UK

LEONARDO GRANDNEW BASELINE AIRCRAFT

AIRFRAME

Aluminium alloy/composite material and bonded panel fuselage

Semi-monocoque aluminium alloy tail boom

Three-wheeled retractable landing gear

Two hinged jettisonable crew doors (LH and RH)

Two sliding passenger doors (LH and RH), 1.40 m opening, with jettisonable windows

Acrylic transparent windshield and side windows

Acrylic transparent overhead windows

Quick removable tail rotor drive shaft cover

Separate baggage compartment with hinged door

Removable fairing and cowlings, for complete accessibility to the controls and drive components

Swivelling front wheel with tow bar attachment

Quick opening hinged inspection doors, to allow visual check of engine oil levels and maintenance inspection points

Grounding points

Jacking and hoisting points

ROTORS AND CONTROLS

Titanium main rotor hub, corrosion protected, fully articulated with four composite grips, four elastomeric bearings, four individually interchangeable composite material blades, swept tips, and dampers

Steel tail rotor hub, corrosion protected, semi-rigid delta hinged type, with two composite blades, individually interchangeable

Cyclic and collective controls powered by two hydraulic systems

Hydraulically powered anti-torque system

Adjustable friction devices on cyclic and collective system

Force trim and artificial feel system

Adjustable directional control pedals

Flapping and droop restraint mechanism

POWER PLANT AND FUEL SYSTEM

Two Pratt & Whitney Canada PW207C turbo-shaft engines

Two independent electronic control systems (FADEC) with normal emergency and training operation modes and auto-start

Engine mounted fuel pump and filter assembly

Engine mounted oil pump and filter assembly

Engine mounted fuel control and governor

Lubrication and cooling system

Engine oil chip detectors (2)

Engine control panel

Two independent fuel systems with cross-feeding valve and control panel

3-cell crash-resistant fuel system (575 – 152 USgal)

Two Submerged fuel boost pump

Airframe mounted easy access fuel filter

RH refuelling point

Ground fuel drains

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LEONARDO GRANDNEW BASELINE AIRCRAFT

TRANSMISSION DRIVE SYSTEM AND HYDRAULIC SYSTEM

960 shp for takeoff and 900 shp continuous
operation main transmission
Three-stage transmission
Free wheeling units (2)
Dual independent, redundant hydraulic systems
Transmission mounted hydraulic pumps (2) with
separate reservoir
Ripple dampers (2)
Internal dry sump transmission lubrication with
pressure and scavenge pump and oil filter
Transmission oil chip detectors (2)
Single stage, bevel gear T/R 90° gear box inclu-
ding oil level sight glass and chip detector
Transmission cooling and lubrication system
Transmission shafts

ELECTRICAL SYSTEM

24 V DC 33 Ah nickel-cadmium battery with
temperature probe
200 A self-cooled starter generators (2)
Voltage regulators (2)
Battery relay
Interconnecting bus relays (2)
External power relay
Distribution buses (1 battery, 2 essential, 2
emergency, 2 main, 2 auxiliary)
External power receptacle
Position lights (NVG friendly – green, red, white)
Taxing lights (1 RH + 1 LH) and landing lights (1 RH + 1
LH) on landing gear sponsors
Anti collision lights (2) (NVG friendly)
Cockpit utility lights (2)
Instrument lights with dimming switch
Radio master switch with ground function

FLIGHT/NAVIGATION INSTRUMENTS

Pilot flight/navigation EFIS (1 display) with slip indicator and
Remote Bug Panel (RBP)
Radio Management System (RMS) RTU-4210 Collins (1)
VHF/AM VHF-4000E
VOR/ILS NAV-4500 Collins
Transponder (Mode S) TDR-94 Collins
Attitude Heading Reference System (AHRS) (1) with one
dual AHRS control panel
Air Data Unit (ADU) (1)
Digital Audio Control System (DACS) COBHAM with one
cockpit panel
Electronic clock (1)
Magnetic compass indicator (1)
Magnetic sensor unit
Pitot tube right/left

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HIGHLIGHTS

- 5 year Leonardo warranty
- Elite completion package
- Hangared near Heathrow Int Airport, UK

LEONARDO GRANDNEW BASELINE AIRCRAFT

INSTRUMENTATION (ON IDS DISPLAY)

- LCD Integrated Display System (IDS)
- Dual gas generator speed indicator (N1%)
- Dual turbine outlet temperature indicator (TOT°C)
- Dual torque meter indicator (TQ%)
- Dual power turbine speed indicator (N2%)
- Rotor speed indicator (NR%)
- Transmission oil pressure (PSI) and temperature (°C) indicator
- Two engine oil pressure (PSI) and temperature (°C) indicators
- Two fuel pressure indicators (PSI)
- Two fuel quantity indicators (Kg)
- Two fuel flow indicators (kg/hr)
- Two flight controls hydraulic system pressure indicators (PSI)
- Two utility hydraulic system pressure indicator (PSI)
- Outside air temperature indicators (°C)
- Two AC voltmeters (VAC)
- Two DC voltmeters (VDC)
- Two DC ammeters (Amp)

WARNING/CAUTION ADVISORY AND MAINTENANCE SYSTEM

- Master warning lights (2)
- Master caution lights (2)
- Warning, caution and advisory message (on IDS display)
- Aural warning generator system
- Engine fire detection system
- Exceedance recorder system (on IDS display)
- Warning horn (cabin)

INTERIOR ARRANGEMENT

- Crash-resistant pilot seat, fore and aft adjustable, with lap belts and headrest
- Aluminium alloy honeycomb reinforced floor with anti-skid finishing
- Ventilation ram air inlets
- Anti reflection instrument panel

EXTERIOR FINISHING

- Finishing in accordance with manufacturer specification (NTA 893 A)
- Primer exterior painting

MISCELLANEOUS/ GROUND EQUIPMENT

- Air intake/exhaust covers
- Ground tools kit (including tow bar, lifting tool, wheel chocks)
- Pitot tubes covers
- Rotorcraft Flight Manual (RFM) and technical publications
- Tie-down fittings (main rotor retention straps)

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HIGHLIGHTS

5 year Leonardo warranty

Elite completion package

Hangared near Heathrow Int Airport, UK

STANDARD AIRCRAFT

STANDARD EQUIPMENT

Active Noise Reduction (ANR) headset (pilot and co-pilot)
Baggage compartment lights
Crash-resistant co-pilot seat, fore and aft adjustable, with lap belts and headrest
Crew open door actuators
First aid kit
Fuel drain electrical valves
Internal structural provisions for utility equipment
Portable fire extinguisher
Shoulder harness with inertial reels (pilot and co-pilot)
Tail boom strake

SINGLE PILOT DUAL CONTROLS IFR AVIONIC PACKAGE

Pilot flight/navigation EFIS (2 displays) with embedded FMS, Synthetic Vision (SVS), HTAWS (Helicopter Terrain Awareness and Warning System), slip indicator and remote Bug Panel (RBP)
(* In lieu of basic Pilot flight/navigation EFIS (1 displays) with slip indicator and Remote Bug Panel (RBP)
(**) Data services subscription for the update of the Navigation databases from Jeppesen is under Customer's responsibility
Co-pilot flight/navigation EFIS (2 displays) with embedded FMS, Synthetic Vision (SVS), HTAWS (Helicopter Terrain Awareness and Warning System), slip indicator and remote Bug Panel (RBP)
Reversionary Control Panel (RCP)
EFIS pilot/co-pilot navigation synchronization switch (FMS data)
Electronic Standby Instrument system (ESIS)

Second Radio Management System (RMS) RTU-4210 Collins
Second VHF/AM VHF-40000E Collins
VOR/ILS/ADF NAV-4000 Collins
DME DME-4000 Collins
Radio Altimeter ALT-4000 Collins
Second Attitude Heading Reference System (AHRS)
Second Air Data Unit (ADU)
Pilot GPS/SBAS Genesys Aerosystems interfaced to EFIS/FMS
Co-pilot GPS/SBAS Genesys Aerosystems interfaced to EFIS/FMS
Digital Audio Control System (DACS) COBHAM additional cockpit panel
4-axis dual duplex digital AFCS with integrated Flight Director
Second electronic clock
Second magnetic compass indicator
ELT
Dual controls

ADDITIONAL EQUIPMENT

Airframe hourmeter
Baggage compartment extension (2.3m)
Engine compartment fire extinguishers (Qty 2)
Fuel cap with key-lock
Pulsed chip detectors (in lieu of quick disconnecting chip detectors)
Reinforced windshields
Retractable/rotating landing light (nose mounted)
Rotor brake
Windshield wipers (pilot and co-pilot) with wiper switch on cyclic grips

INTERIOR TRIM

Air conditioning ECS (Environment Control System)
Primer finished cabin walls

PAINTING

Standard colour scheme from Company paint selection, solid colour

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HIGHLIGHTS

5 year Leonardo warranty

Elite completion package

Hangared near Heathrow Int Airport, UK

CUSTOMER REQUIRED CONFIGURATION

COMPLETION: GRANDNEW ELITE INTERIOR – 5 PLACES PASSENGER CABIN

VIP Passenger Cabin, including:

- Super silent soundproofing
- Liners leather/leatherette covered
- Intercommunication system for passengers
- Two (2) cabin loudspeakers
- Reading lights, advisory lights, floor courtesy lights
- Upper and lower air vents
- VIP Cabin finishing

VIP Cockpit package, including:

- Interseat console tray with 12 V power supply
- Multipurpose holder (with space provision for fire extinguisher)
- Right door pocket
- Two (2) headset hooks
- Cyclic and collective leather gators
- Curtains in cockpit on upper windows

VIP Cockpit finishing

- Two (2) crashworthy fwd facing seats (aft bench) covered with leather, with Elite central cabinet
- Three (3) crashworthy aft facing seats (central bench) covered with leather, with see-through modification and with foldable armrest
- 4-point shoulder harness with inertial reels and safety belts for all passenger seats
- Cabin double layer acrylic windows (azure coloured)
- Five (5) Headset Bose ANR type
- Floor carpeting
- Leather headset straps in cabin
- Dual USB charger at central bench (RH) (A-C ports)
- Four coat hooks in passenger cabin

CUSTOMER SELECTED EQUIPMENT

PAINTING

Customized painting scheme, Premium Plus; up to 5 colours from selection, Premium finishing, Registration Marks and Logos (decal or painted)

UTILITY EQUIPMENT

213 USgal crash-resistant fuel system (in lieu of 152 USG)
High-intensity white strobe lights on horizontal stabilizer
Electrically operated passenger step (LH)

AVIONIC EQUIPMENT

Traffic Advisory System TAS-620 Avydyne (presented on EFIS)
Weather radar RDR 2000 Bendix/King or equivalent model (presented on EFIS)
iPad certified mount with USB charger point for USB A and C in cockpit (installed by Sloane post-delivery)
8.4" cockpit central display – provision
Enhanced Vision System (EVS) Max-Viz 2300 – provision
Cockpit Voice/Flight Data Recorder (CVR/FDR) Penny & Giles – provision

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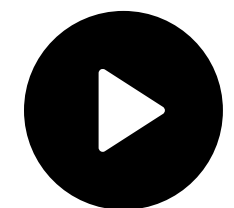


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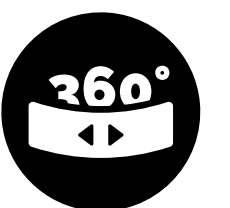
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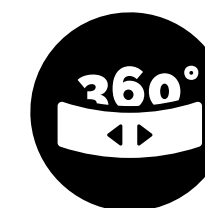
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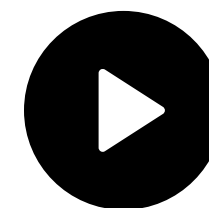


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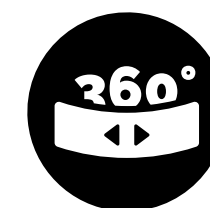
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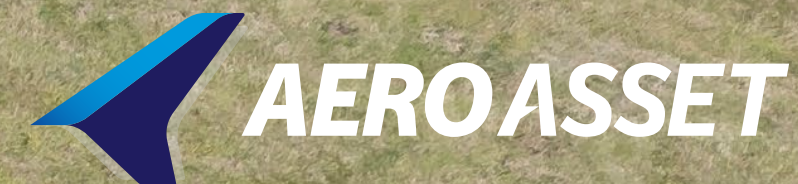


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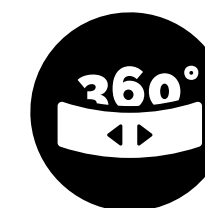
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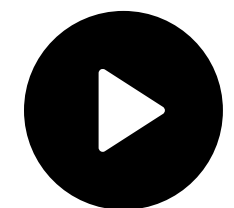


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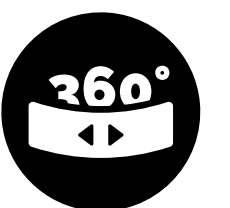
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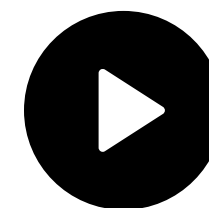


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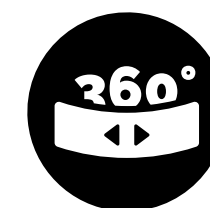
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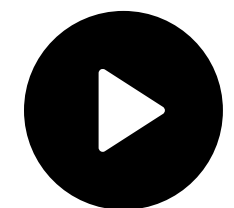


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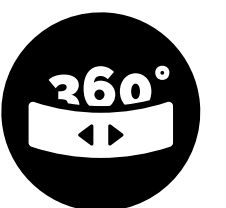
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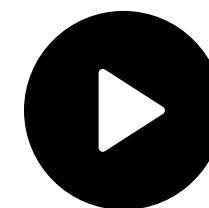


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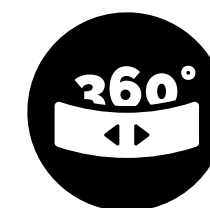
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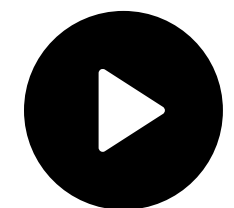


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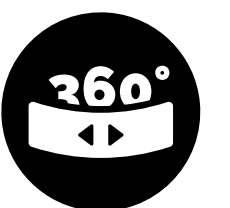
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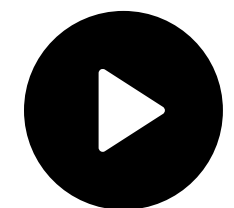


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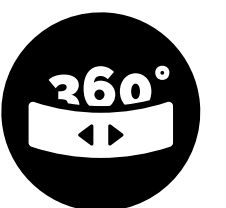
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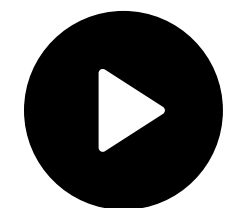
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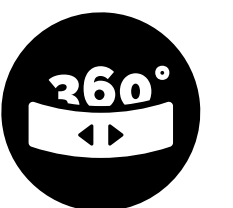
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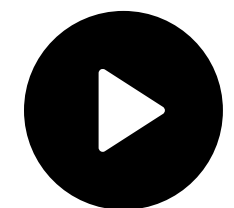


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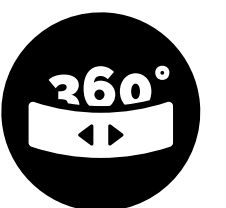
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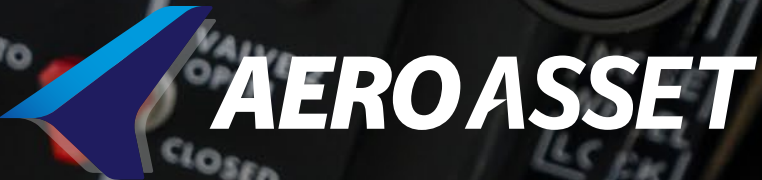


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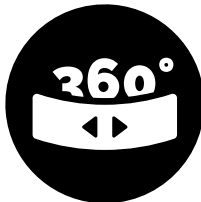


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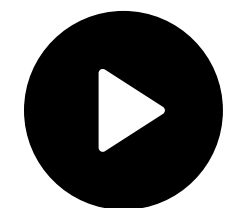


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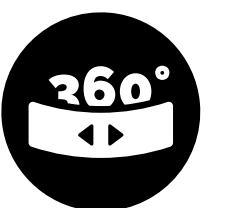
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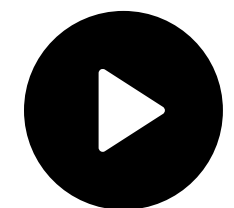


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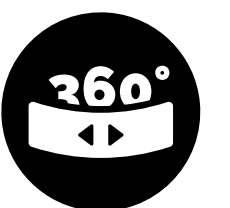
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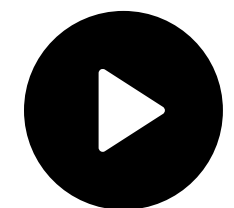


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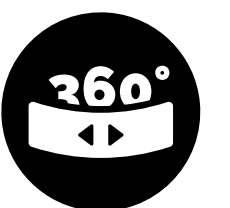
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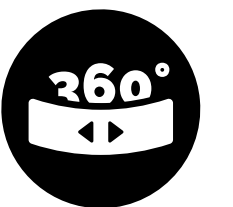
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