

## Eurotech Agusta Aw119kx I-EUKX Update 10/2023

Manufacturer: Leonardo  
Aircraft type: Aircraft Aw119MkII (KX)  
registration: S/n: I-EUKX  
Year: T.T.: Engine 14918  
type: Engine S/n: 2016  
T.T.: T.S.O: C.S.N: 140 h  
PW PT6B-37b  
PCE-PUC2744  
140 h  
0 h  
150 cy

### AW119Kx CONFIGURATION

#### 1. AW119Kx BASELINE AIRCRAFT

##### 1.1. Airframe

- Aluminium alloy and bonded panel fuselage
- Semi-monocoque aluminium alloy tail boom
- New reinforced skid type landing gear
- Two hinged jettisonable crew doors (LH & RH)
- Two sliding passenger doors (LH and RH), 1.10 m opening, with jettisonable windows
- Passenger short foot step (LH & RH)
- Acrylic windshield and side windows
- Overhead cockpit transparent windows
- Lower cockpit transparent windows
- Removable fibreglass tail rotor gearbox fairing
- Quick removable tail rotor drive shaft cover
- Separate baggage compartment with hinged door
- Three jacking points
- Removable fairing and cowlings, for complete accessibility to the controls and drive components
- Quick opening hinged inspection doors, to allow visual check of engine oil levels and maintenance inspection points
- Grounding points

##### 1.2. 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

1.3.

#### Power Plant and Fuel System

- Pratt & Whitney Canada PT6B-37A turbo-shaft engine
- Engine mounted fuel pump and filter assembly
- Engine mounted oil pump and filter assembly
- Engine mounted fuel control and governor
- Electronic Engine Control (EEC)
- Lubrication and cooling system
- Engine oil chip detector (1)
- Engine mounted fuel heater
- Fuel system control panel
- 3-cell fuel system (605 l – 160 US gal)
- Submerged fuel pumps (2 boost and 1 transfer pump)
- RH refuelling point

1.4.

#### Transmission / Drive System and Hydraulic System

- 917 shp for take-off and 900 shp continuous operation main transmission
- Two-stage transmission
- Transmission mounted hydraulic pumps (2) with separate reservoir
- 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 including oil level sightglass and chip detector
- Transmission cooling and lubrication system
- Transmission shafts

1.5.

#### Electrical System

- 28 V DC 22 Ah nickel-cadmium battery with temperature probe
- 200 A self-cooled starter generator
- Voltage regulator
- Battery relay
- Interconnecting bus relay
- External power relay
- Distribution buses (2)
- External power receptacle
- Position lights (NVG compatible)
- 250 W landing lights (2)
- Anti-collision lights (2) (NVG compatible)
- Cockpit utility lights (2) (NVG compatible)
- Instrument lights
- Radio master switch

1.6.

#### Avionic Package

Depending on both contractual delivery date and Country of destination, the AW119Kx helicopter could be delivered with EASA/FAA Type Certification or could be equipped with Garmin G1000HTM approved as FAA STC. The latter does not include the magnetic compass indicator.

- Garmin G1000HTM Integrated Flight Deck system comprising:
  - Two GDU-1040 10.4" display units providing a Primary Flight Display (PFD) and a Multifunction Display (MFD) and integrating:
    - ☐ Radio tuning controls
    - ☐ Flight Management System (FMS)
    - ☐ Synthetic Vision System
    - ☐ Helicopter Terrain Awareness and Warning System (HTAWS)
  - Two GEA-71H Aircraft Interface Unit
  - Two GSC-46 Signal Conditioners
  - GRS-77H AHRS
  - GDC-74H Air Data Computer (ADC)
  - Two GIA-63H Integrated Avionics Units (IAU) comprising:
    - ☐ COM 1&2
    - ☐ NAV 1&2
    - ☐ GPS 1&2
    - ☐ Aural Alert Generator
    - ☐ ADF interface
    - ☐ DME tuning interface
  - GTX-33H Mode-S Transponder with Extended Squitter (ES) capability
- Radar Altimeter RA-4500 FreeFlight Systems
- Digital Audio Control System (DACS) COBHAM with two cockpitpanels
- Magnetic Compass indicator
- L3 Avionics System ESI-2000 Electronic Standby Indicator
- Engine Hour meter

1.7.

#### Systems Data (on PFD/MFD)

- Inter turbine gas temperature indicator (ITT°C)
- Engine torque indicator (TQ%)
- Compressor speed indicator (N1%)
- Turbine speed indicator (N2%)
- Rotor speed indicator (NR%)
- Transmission oil pressure (PSI) and temperature (°C) indicator (on MFD)
- Engine oil pressure (PSI) and temperature (°C) indicator (on MFD)
- Fuel pressure (PSI) (on MFD) and fuel quantity (kg) indicator (on PFD/MFD)
- Two hydraulic pressure system indicators (PSI) (on MFD)
- Outside air temperature indicator (°C) (on PFD)
- DC voltmeter (VDC) (on MFD)
- DC ammeter (Amp) (on MFD)

1.8.

#### Central Warning System (CWS)

- Master warning lights
- Master caution lights
- Warning, caution and advisory messages on PFD display
- Aural alerts from IAU 1 & 2

1.9.

#### Interior Arrangement

- Pilot and co-pilot seats, fore and aft adjustable, with lap belts and headrests
- Aluminium alloy honeycomb reinforced floor with anti-skid finishing
- Ventilation ram air inlets
- Anti-reflection instrument panel

1.10.

#### Exterior Finishing

- Finishing in accordance with manufacturer specification

1.11.

#### Miscellaneous / Ground Equipment

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

2.

### STANDARD AIRCRAFT

2.1.

#### Standard Equipment

- 28 Ah battery (in lieu of 22 Ah battery)
- Active Noise Reduction (ANR) headsets (pilot and co-pilot)
- Baggage compartment lights
- Crew open door actuators
- First aid kit
- Fuel drain electrical valves
- Portable fire extinguisher
- Quick disconnecting chip detectors
- Shoulder harness with inertial reels (pilot and co-pilot)
- Tail boom strake

2.2.

#### Additional Avionic Equipment

- AC power supply system (2 inverters)
- AFCS 3-axis duplex SP-711 Honeywell

2.3.

#### Additional Equipment

- Baggage compartment extension (1.9 m)
- (\*) It may be affected by avionic customization
- Dual controls

- Fuel cap with key-lock
  - Reinforced windshields (pilot and co-pilot)
  - Rotor brake
  - Sliding windows on cockpit doors
- 2.4. Windshield wipers (pilot and co-pilot) with wiper switch on cyclic grips

2.5. Interior Trim

- Bleed air heater
- Primer finished cabin walls

3. I-EUKX OPTIONAL INSTALLED

3.1. Interior Equipment - Cabin

- VIP interior - 6 places
  - Soundproofing
  - Leatherette covered liners
  - Seats covered with leather
  - 3 aft facing seats (central bench)
  - 3 fwd. facing seats (aft bench)
  - 3-point shoulder harness with inertial reels and safety belts for all passenger seats
  - Reading lights, advisory lights
  - Cabin loudspeakers
  - Headset Bose ANR type (Qty 6)
  - Floor carpeting

3.2. Cabin Interior Equipment

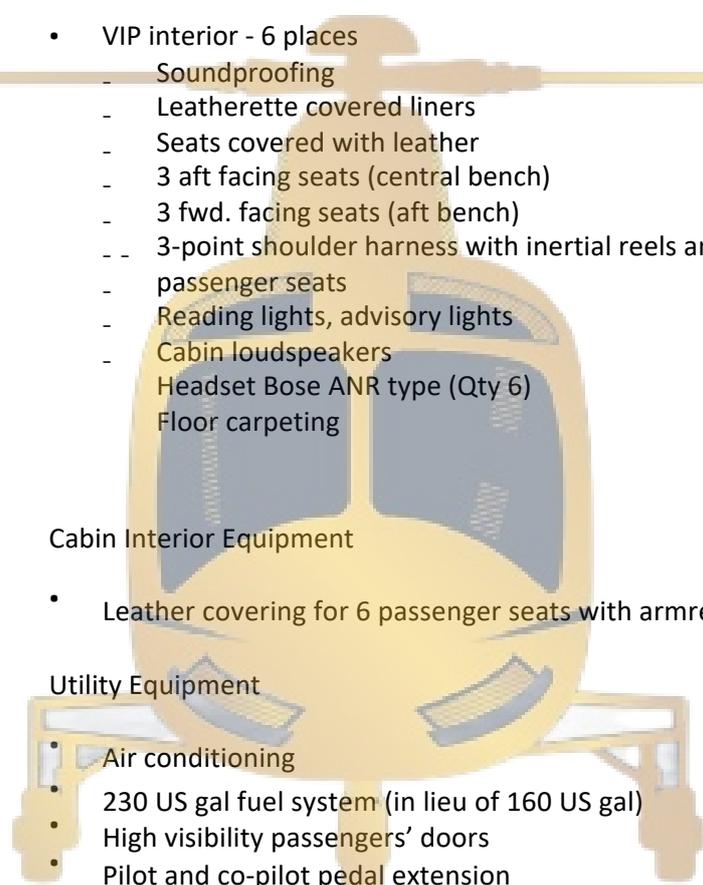
- Leather covering for 6 passenger seats with armrest

3.3. Utility Equipment

- Air conditioning
- 230 US gal fuel system (in lieu of 160 US gal)
- High visibility passengers' doors
- Pilot and co-pilot pedal extension
- Pilot multipurpose holder
- Baggage compartment extension (2.3 m)
- Cargo hook primary (1400 kg) provision
- Wire strike protection system
- Steps Long Boarding D119-675 (LH and RH)
- Engine inlet barrier filter

3.4. Finishing - Painting

- Customised painting scheme



## Components Life limit

Component	Remaining hours	Life / Ovh Limit
Mr Blade – new	10000	10000
Mr Blade – new	10000	10000
Mr Blade – new	10000	10000
Mr Blade - new	10000	10000
Tr Blade	99165	100000
Tr Blade	99165	100000
Retention strap x 2	7200	7200
Hub assy - ovh	12000	12000
Swashplate - rip	3189	5600
MGB – Ovh	4800	4800
TGB	4800	4800
TGH	10183	12000
Servo Actuator	1660	1800
Servo Actuator	1660	1800
Servo Actuator	1660	1800
T/r Servo Actuator	1600	1800
Starter	860	1000
Engine – PCE-PU0274 - Ovh		
Power section	4500	4500
RGB	3000	3000
FCU	3500	3500
Fuel pump	3500	3500

### NOTES

- Installed new landing gear assy
- Installed new windshields













File photos – before accident

