

AW119Kx

HELICOPTERS DIVISION



 **LEONARDO**



AW119^{Kx}

FAST AND FLEXIBLE

DELIVERING PERFORMANCE AND VERSATILITY

The AW119Kx is the fast and powerful light single engine helicopter with unmatched versatility for a wide range of missions.

High productivity, excellent flying qualities, outstanding controllability and manoeuvrability characterize the helicopter.

With robust skid type landing gear, modern avionics and spacious interior to enable flexibility in role, the AW119Kx operators benefit from the highest productivity levels among single engine helicopters, with payload and performance at the top of its category.

A high resistance cocoon type airframe and redundancy of all critical systems that is typically available on twin engine helicopters offer best-in-class level of safety.





MORE ROOM THAN ANY OTHER

- › The most spacious helicopter in its class with accommodation for up to 7 people provides a large, comfortable working room
- › Cockpit can be isolated from the cabin allowing pilots to focus on mission objective
- › The versatile, easily reconfigurable, cabin with wide room for a comprehensive suite of mission equipment
- › Separate large baggage compartment, in addition to main cabin stowage.

MODERN AVIONICS TO REDUCE PILOT WORKLOAD

The AW119Kx features the Garmin G1000NXi VFR glass cockpit that enhances situational awareness. The Genesys Aerosystems IFR glass cockpit is available as an alternative to Garmin's avionics suite.

On July 16th 2019 the AW119Kx became the first single-engine IFR helicopter in decades to meet all IFR standards and be fully certified by the Federal Aviation Administration (FAA). The AW119Kx fully meets current IFR requirements allowing pilots to operate the aircraft safely in low visibility and challenging weather conditions thanks to advanced avionics by Genesys Aerosystems, redundant helicopter flight systems, flight director and an auxiliary generator.

Both glass cockpits comprise Synthetic Vision System with Highway in the Sky (HITS) depiction, moving map and Helicopter Terrain Awareness Warning System (HTAWS) with worldwide terrain and obstacle database.





Garmin G1000NXi VFR glass cockpit



Genesys Aerosystems IFR glass cockpit



MISSION EQUIPMENT

- › 184 or 224 USgal Modular Crash-Resistant Fuel System
- › 3-axis Stability Augmentation System (SAS)
- › Reinforced windshields
- › Cargo hook (1,400 kg)
- › Dual cargo hook (1,400 kg/500 kg)
- › Rappelling hooks (2 LH + 2 RH)
- › External hoist (204 kg)
- › External loudspeakers
- › Searchlight
- › Engine inlet barrier filter
- › Emergency floats
- › Life rafts
- › EO/IR Camera
- › Mission console
- › Foldable stretchers
- › Bearpaws

DISTINCTIVE FEATURES

- › Aluminum alloy “Cocoon type” resistant airframe
- › Modular fuel system
- › Redundancy of all main systems
- › Up to 30 min. dry-run transmission safety feature
- › Largest cabin in the category
- › Cockpit/cabin separation
- › Enhanced situational awareness to maximise safety levels
- › EASA certified for high altitude operations up to 24,000 ft.

PERFORMANCE (ISA, MGW)

VNE (SL)

282 km/h (152 kt)

Max Cruise Speed (SL, MCP)

243 km/h (131 kt)

HIGE (TOP)

3,352 m (11,000 ft)

HOGE (TOP)

2,225 m (7,300 ft)

Maximum Range (5,000 ft)⁽¹⁾

922 km (498 nm)

Maximum Endurance (5,000 ft)⁽¹⁾

5 hr 11 min

⁽¹⁾ with 668 kg usable fuel - no reserve



EXECUTIVE AND PRIVATE TRANSPORT

- › Spacious, comfortable cabin
- › Separate and wide baggage compartment
- › Stylish interior design.

MEDICAL AND RESCUE SERVICES

- › Large EMS cabin, fully “medicalised”, separate from the cockpit
- › Dual stretcher capability with two medical attendants
- › Large baggage compartment for equipment storage
- › 204 kg (450 lb) hoist for SAR operations
- › Large sliding doors for easy loading and unloading of the patient.



SECURITY SERVICES

- › Comprehensive range of role equipment
- › Extended ‘time on station’
- › Dedicated mission console
- › Comfortable working space for mission operators
- › Unique effective troop insertion.

UTILITY

- › Extended operating envelope (weight/altitude/temperature)
- › Large range of role equipment
- › Excellent platform for fire-fighting applications
- › High external load capability.



3.45 m³

Cabin volume (121.84 ft³)

0.95 m³

Baggage volume (33.55 ft³)

Capacity

Crew 1 to 2

Passengers up to 7

AW119KX CHARACTERISTICS

WEIGHT (MGW)

- › Internal loads 2,850 kg (6,283 lb)
- › External loads 3,150 kg (6,945 lb)

PROPULSION

- › Powerplant: 1 x Pratt & Whitney Canada PT6B-37A

DIMENSIONS

- › Overall length ⁽¹⁾ 12.92 m (42 ft 05 in)
- › Overall height ⁽¹⁾ 3.60 m (11 ft 10 in)
- › Rotor diameter 10.83 m (35 ft 06 in)

⁽¹⁾ Rotors turning



Leonardo Helicopters is making significant changes to the provision of its Customer Support and Training services. Leonardo Helicopters has launched a companywide “TeamUp” initiative spanning the entire breadth of the Support and Training delivery activity.



SUPPORT SOLUTIONS

The Leonardo Helicopters Customer Support & Training worldwide network delivers an extensive range of support solutions that are tailored to meet the Customers’ unique requirements ranging from routine spares & repairs, component availability solutions and frontline manpower support through to fully Integrated Operational Support solutions.

OUR MOBILE APPS - STAY TUNED!



AW TeamUP



AW Training



Heliwise



Skyflight Mobile

TRAINING SOLUTIONS

Leonardo Helicopters designs, develops and delivers integrated training solutions and services for our helicopters in the live and virtual training domains, from type conversion through to full operational and mission capability.

ADVANCED SERVICES

Leonardo Helicopters continues to focus and improve the Customer’s experience, leveraging on innovation and latest technology, to deliver the best services and solutions in its class. Skyflight Mobile and Heliwise represent our key advanced services, which provide Customers with cutting-edge solutions to perform flight planning activities and HUMS data analysis.



This document contains information that is proprietary to Leonardo - Società per azioni and is supplied on the express condition that it may not be reproduced in whole or in part, or used for manufacture, or used for any purpose other than for which it is supplied.

Leonardo Società per azioni

Registered Head Office:
Piazza Monte Grappa, 4
00195 Rome - Italy
T +39 06 324731

Leonardo Helicopters

Head Office:
Via Giovanni Agusta, 520
21017 Cascina Costa di
Samarate - Italy
T +39 0331 229111