

AW119  Ke



AW119 Ke

DISTINCTIVE FEATURES

Max gross weight up to 2850 kg (internal loads) or 3150 kg (external loads)

- Higher payload
- Increased range and endurance

New design main rotor blades

- Increased aerodynamic efficiency
- Lower fuel consumption

Higher main rotor rating 102%

- For all the flight conditions

VERSATILITY

- The most spacious "single" that can accommodate up to 8 people
- Easily reconfigurable
- Unique "single" with real EMS capability
- Separate cockpit, cabin and baggage compartment

MORE VALUE FOR MONEY

- High productivity
- The highest among single turbine helicopters with payload and performance at the top of its category
- Reduced operating cost
- Simplified maintenance with extended inspection intervals, Limited number of components subject to overhaul and retirement life
- Guaranteed cost programmes
- For both airframe and engine, to meet Customer operational requirements in all kinds of application

SAFETY FEATURES

- High power available for extra performance margins
- High resistance cocoon-type airframe
- High visibility cockpit
- Dual Independent hydraulic System
- Dual Independent SAS (Stability Augmentation System)



MORE ROOM

- The large cabin allows to configure the AW119Ke for various applications

Utility

- Extended operating envelope (weight/altitude/temperature)
- Multiple choice of role equipment
- Excellent platform for fire-fighting applications
- High external load capability

Law Enforcement

- Comprehensive choice of specific role equipment
- Extended time on station
- Large comfortable working space for mission operator
- Worldwide market success

EMS

- Large EMS cabin, fully "medicalised", separate from cockpit
- Dual litter capability with two medical attendants
- Large baggage compartment for equipment storage
- Hoist 204 kg (450 lb) for SAR operations

Executive Transport

- Spacious comfortable cabin
- Long range capability thanks to high fuel capacity (up to 870 l)
- Stylish interior design

Offshore

- Outstanding productivity
- High cruise speed, low operating costs
- Unique payload/range capability

Internal dimensions and volumes

Cockpit			
Max length	1.38 m	4.53 ft	
Max width	1.59 m	5.22 ft	
Max height	1.36 m	4.46 ft	
Volume	1.51 cu m	53.33 cu ft	
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	3.45 cu m	121.84 cu ft	
Baggage Compartment			
Max length	2.30 m	7.54 ft	
(with optional baggage extension)			
Max width	1.10 m	3.61 ft	
Max height	0.71 m	2.33 ft	
Volume	0.95 cu m	33.55 cu ft	

PROVEN WORLDWIDE SUPPORT

As derivative model of A109 well known family, the AW119Ke benefits from an extensive global network of customers representatives, technicians and engineers, complemented by repairs, overhaul and spare facilities throughout the world.

AW119 Ke CHARACTERISTICS

WEIGHTS

Max gross weight (int. loads)	2850 kg	6283 lb
Max gross weight (ext. loads)	3150 kg	6945 lb
Basic empty weight	1455 kg	3208 lb
Sling load capacity	1400 kg	3086 lb

ENGINE RATINGS (PT6B-37A)

Take off (5 min)	1 x 747 kW	1 x 1002 shp
Max continuous	1 x 650 kW	1 x 872 shp

TRANSMISSION RATINGS

AEO Take Off Power (5 min)	684 kW	917 shp
AEO Maximum Continuous Power	671 kW	900 shp

FUEL CAPACITY

3-CELL fuel system	605 l	160 USG
4-CELL fuel system	711 l	188 USG
5-CELL fuel system	870 l	230 USG

SEATING

Pilot	1 or 2
Passengers	7 or 6

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PERFORMANCE (ISA, MGW)

VNE (SL)	282 km/h	152 kts
Max cruise speed (SL - MCP)	256 km/h	138 kts
Rate of climb (SL - TOP)	9.4 m/s	1850 ft/min
Hovering IGE	3352 m	11000 ft
Hovering OGE	2225 m	7300 ft
Service ceiling	4572 m	15000 ft
Max range*	954 km	515 nm
Max endurance*	5 h 20 min	

* with 688 kg usable fuel - no reserve - @5000 ft

