

# AW109 POWER EMS



## MODERN

The AW109 Power EMS is the world's fastest and most modern light twin-engine helicopter incorporating the finest patient care environment into an airframe tailored to today's demands.

The AW109 Power combines safety attributes such as single or dual pilot IFR flight capability and technically superior operational characteristics such as a 285 kph / h cruise speed. In addition, Category A Class 1 operations (the possibility to take off and land from the very smallest of landing sites) and unmatched performance in terms of speed, hovering and rate of climb both in twin and single engine conditions, allow the AW109 Power to safely operate even in the most severe conditions from any place.



## FLEXIBILITY

The AW109 Power EMS is an 8 seat class helicopter; its spacious 3.5 m<sup>3</sup> patient / medical attendant cabin is completely separated from the cockpit, allowing 3 or 2 medical attendants full patient access to the single or two longitudinally loaded stretchers.

Both internally accessible and external baggage space is provided. The EMS interior of the AW109 Power comprises a combination of fixed and removable modular components, which can be easily installed without any tools.

## PRODUCTIVITY

The AW109 Power EMS offers its private use, commercial operators, and government agency customers precisely what they have been looking for: cost effectiveness combined with high speed, high productivity, and mission flexibility, all supported by superior customer service.

## FEATURES

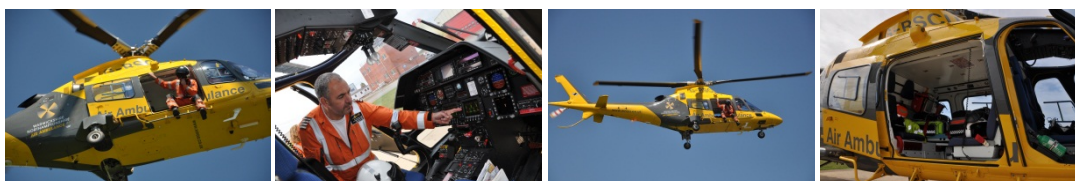
The main features of the AW109 Power EMS version are:

- Unobstructed, bright regular shape cabin
- Modular provision for medical equipment installation
- Stretcher support at 80 cm from the ground
- Storage box for medical equipment
- Easily removable bottles for the oxygen distribution system
- 1 or 2 litters easily embarkable through two large sliding doors
- Reversible co-pilot seat
- 2.3 m long separated baggage compartment
- High ground clearance rugged landing gear for unprepared terrain operations



## MAIN CHARACTERISTICS

- The fastest helicopter in its class
- Cat A Class 1 at MTOW
- Fail safe design and system redundancy
- Only helicopter in its class with wheeled landing gear for ease of ground handling
- Single pilot IFR day and night
- New generation engines with FADEC
- Excellent flying qualities and maneuverability
- Wide range of mission equipment installations available
- Fully articulated main rotor with composite blades - on condition maintenance



## DATA

MTOW (internal) <sup>1</sup>	2,850 kg	6,283 lb
MTOW (external)	3,000 kg	6,614 lb
Cruise Speed	285 kph	154 kts
Maximum Range	936 km	505 nm
Maximum Endurance		4 h 42 min
Service Ceiling (ISA, 2,850 kg)	5,974 m	19,600 ft
Hover IGE (ISA, 2,850 kg)	5,059 m	16,600 ft
Hover OGE (ISA, 2,850 kg)	3,596 m	11,800 ft
Overall Length	13.07 m	42 ft 9 in
Overall Height	3.50 m	11 ft 6 in
Rotor Diameter	11.0 m	36 ft 1 in
Fuel Capacity (std 484 kg)	605 litres	160 USgal
Fuel Capacity (aux 668 kg)	835 litres	221 USgal
Crew / Passengers	1 or 2 pilots with 1 or 2 litters and 4 or 3 medical attendants	
Powerplant	2 x Pratt & Whitney	
Canada PW206C (or)	2 x Turbomeca Arrius 2K1	
Power Rating - Take-Off		
(PW206C)	2 x 477 kW	2 x 640 shp
(Arrius 2K1)	2 x 500 kW	2 x 670 shp

<sup>1</sup> 3,000 kg / 6,614 lb with Increase Internal Gross Weight Kit