

**Light Single  
Multi-Purpose Helicopter**

**SW-4**



**PZL-ŚWIDNIK**



**AgustaWestland**

A Finmeccanica Company



**THE IDEAL ENTRY POINT TO THE TURBINE HELICOPTER SEGMENT**

Excellent flying qualities and high inherent safety make the SW-4 an optimum helicopter to transport up to 4 passenger and an excellent platform for both primary and advanced training.

- Ample cabin space
- Superior external visibility for passengers
- Low acquisition and operating cost

DISTINCTIVE FEATURES

COMFORT AND ACCESSIBILITY

FLEXIBILITY

OPERATIONAL CAPABILITY

MISSION EQUIPMENT

TRAINING CAPABILITY

SW-4

The SW-4 is a light single multi-purpose helicopter designed to carry up to 5 people, including pilot(s) under day and night VFR conditions. Modern technology, low operational cost and ease of flying make the SW-4 an excellent entry point to the light turbine helicopter segment.

**DISTINCTIVE FEATURES**

The SW-4 has been designed incorporating the most advanced technologies and features:

- Fully articulated main rotor hub with three composite blades
- Two composite tail rotor blades
- Crashworthy seats (pilots and passengers)
- Hydraulic flight controls
- Easy conversion between cargo and passenger configurations
- Easy access to the cabin enabled by:
  - 2 Cockpit hinged doors one on each side
  - 2 Cabin sliding doors one on each side
- Highest useful load in its class\*
- Best range and endurance of its class\*
- Reduced operational cost

The fuselage and the structural components of the airframe have been designed with state-of-the-art materials making extensive use of composite materials.

**COMFORT AND ACCESSIBILITY**

The large cabin provides passengers with excellent comfort, ample legroom and superior external visibility. Access to the main cabin area is through 2 rear sliding doors and 2 forward hinged doors on both sides of the fuselage.

**FLEXIBILITY**

The cabin has been designed to provide high levels of operational flexibility. It can be quickly and easily reconfigured from a passenger layout to a cargo solution capable of carrying up to 323 kg (712 lb) in the cabin and a further 150 kg (331 lb) in the baggage compartment.

\*Light single up to 1,800 kg / 3,968 lb



**OPERATIONAL CAPABILITY**

Multitrole capability, to satisfy present and future operational requirements, has been one of the priority targets of the PZL Świdnik engineers in designing the helicopter architecture.

The SW-4 is perfectly suited for passenger transport, primary and advanced training, patrolling and surveillance. The helicopter provides the best range of operation in its class.

The Military variant of the SW-4 can be fitted with external extension arms capable of carrying specialist role equipment up to 240 kg (529 lb).



**MISSION EQUIPMENT**

- Removable Co-pilot Controls
- Vibration Absorbing System
- Moving Map
- Radio Altimeter
- IFR Training Kit

- External Cargo Sling
- Bambi Bucket
- Emergency Medical System Kit
- Wire Strike Protection
- FLIR / TV System

- Searchlight
- External Loudspeaker System
- Windshield wipers
- Flotation Gear System

**TRAINING CAPABILITY**

Excellent flying qualities and high inherent safety and stability make the SW-4 extremely suitable for training operations. It is possible to configure the helicopter for basic and advanced flying training. The use of the SW-4 for training purposes by the Polish Army ensures it meets military pilot training regulations and NATO standards.

The main features of the basic training version of the SW-4 are:

- Dual controls
- Flight controls powered by hydraulic amplifier
- Crashworthy seats
- Good visibility through all the windows
- Low vibration levels
- Configurable instrument panel

Additional features of advanced training version of the SW-4 are:

- Dual pilot instrument panel configuration and additional communications and navigation equipment
- Emergency simulation unit to simulate helicopter stability and controllability in emergency situations such as:
  - Hydraulic system failure
  - Attitude indicator failure
  - Gyro-compass failure
- Capability for day and night flights under simulated IFR conditions
- Capability for NVG training flights



**SW-4 CHARACTERISTICS**

**DIMENSIONS**

Overall Length (rotors turning)	10.58 m	34 ft 8 in
Overall Height (rotors turning)	3.14 m	10 ft 3 in
Skids track	2.20 m	7 ft 2 in
Main rotor diameter	9.00 m	29 ft 6 in
Tail rotor diameter	1.50 m	4 ft 11 in

**WEIGHTS**

Max gross weight	1,800 kg	3,968 lb
Basic empty weight	998 kg	2,200 lb
Sling load capacity	650 kg	1,430 lb

**ENGINE RATINGS (RR 250 C20-R/2SP)**

Take off	336 kW	450 shp
Maximum Continuous Power	283 kW	380 shp

**TRANSMISSION RATINGS**

Take Off Power (5 min)	331 kW	444 shp
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<b>FUEL CAPACITY</b>	471 l	125 USG
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**SEATING**

Crew	1 or 2
Total seats	5

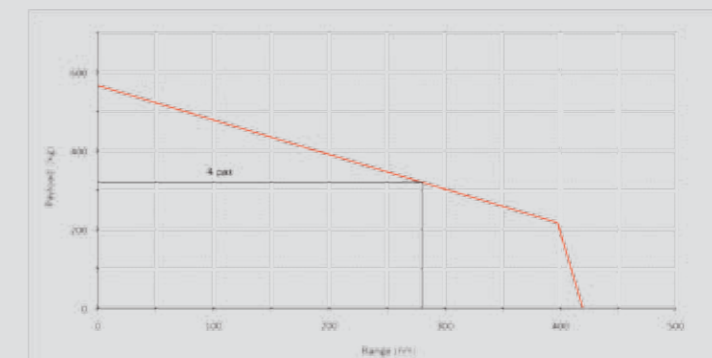


**PERFORMANCE (ISA, MGW)**

VNE (SL)	254 km/h	137 kts
Max cruise speed (SL - MCP)	206 km/h	111 kts
Rate of climb (SL - TOP)	6.6 m/s	1,299 ft/min
Hovering IGE	1,290 m	4,232 ft
Hovering OGE	820 m	2,690 ft
Service ceiling	3,900 m	12,795 ft
Max range*	850 km	459 nm
Max endurance*		5 h: 30 min

\* no reserve, @ 5000 ft

1 pilot - Utility Configuration ISA +20 - 20 min res.



## AGUSTAWESTLAND MARKETING

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CI-14-00037