



**PZL-ŚWIDNIK S.A.**



**PZL SW-4**

Type certificate EASA.R.100



## 5-SEAT HELICOPTER WITH SINGLE TURBINE ENGINE

The PZL SW-4 helicopter is a light, single-engine, multi-purpose helicopter designed to carry up to 5 persons (1 or 2 pilots). The helicopter has been certified in accordance with JAR-27 regulations. The PZL SW-4 helicopter is equipped with a Allison Rolls-Royce 250-C20R/2 engine with take-off power of 336 kW (457 HP). The PZL SW-4 is a classic helicopter design with a three-blade main rotor and two-blade tail rotor systems. Main rotor and tail rotor blades are made of epoxy-glass composite. The helicopter landing gear is a skid type. Structural components of the airframe are constructed of aluminium alloy and epoxy-glass composite. Access to the main cabin area is through aft sliding doors and a forward hinged door panels on each side of the fuselage. Such a door arrangement without an intervening mounting post between the doors enables easy and convenient access to the whole cabin in all versions of the PZL SW-4. The baggage compartment with a capacity of 0,85m<sup>3</sup> (150 kg; 331 lb) is located in the rear fuselage section.

AS 9100

BUREAU VERITAS  
Certification



ISO 9001

BUREAU VERITAS  
Certification



Rolls-Royce engine





## TRAINING VERSION

Basic and advanced flying training can be conducted on the aircraft with the addition of a second set of flight controls and dual pilot instrumentation. Emergency simulation switches unit can be installed optionally.



Emergency simulation switches

## PASSANGER/CARGO VERSION

The helicopter is easily converted from passenger to cargo configuration. The passenger version is equipped with „state of the art“ high energy absorbing crashworthy seats. The cargo version of the helicopter enables the carriage of up to 323 kg (710 lb) in the main cabin and a further 150 kg (331 lb) in the baggage compartment. Alternatively, up to 600 kg (1320 lb) can be carried as an external underslung load.



## VIP VERSION

High gloss exterior paint schemes complimented by leather seats, deep-pile carpets and veneer interior furnishings achieve a personalised VIP helicopter interior configuration.



## EMS VERSION

Aero medical conversion and modifications allows for the installation of medical equipment and the carriage of 1 x stretcher and 1 x medical flight attendant.



## LAW ENFORCEMENT VERSION

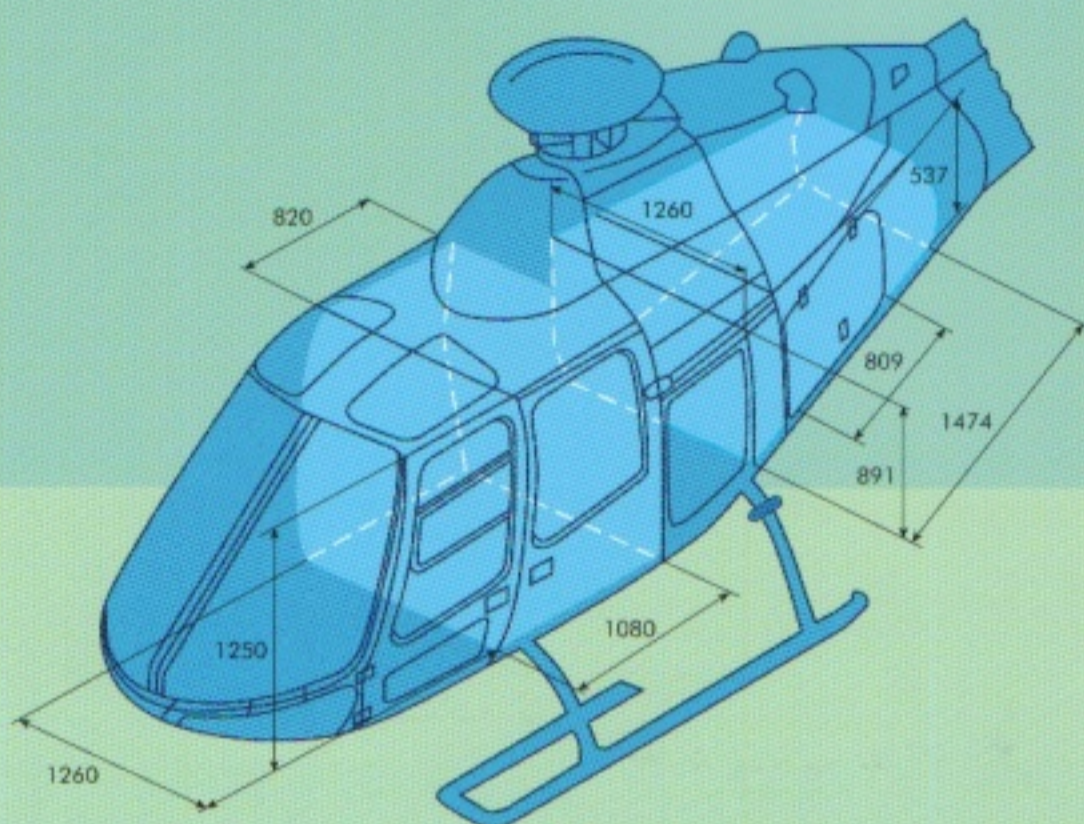
This version may be fitted out with the following specialist role equipment: thermal imaging and TV camera, searchlight system, loudspeaker system, special intercom and radio-communication system, hoist.

## MILITARY VERSION

The military version can be fitted with external extension arms capable of carrying specialist role equipment up to 440 kg (970 lb). Alternatively, the military version can be configured in a utility role to allow full mission flexibility to suite customer requirements.

### EXTERNAL DIMENSIONS

Main rotor diameter	9,00 m / 29,52 ft
Tail rotor diameter	1,50 m / 4,92 ft
Height	3,13 m / 10,27 ft
Length	9,07 m / 29,75 ft
Width	1,51 m / 4,95 ft
Skids track	2,28 m / 7,48 ft



### TECHNICAL DATA

Maximum take-off weight	1800 kg (3968 lb)
Useful load	<ul style="list-style-type: none"> <li>• 1 pilot + 4 passengers + 150 kg (331 lb) baggage compartment</li> <li>• or 2 pilots + 3 passengers + 150 kg (331 lb) baggage compartment</li> <li>• or 1 pilot + 323 kg (710 lb) in cabin + 150 kg (331 lb) baggage compartment</li> <li>• or 1 pilot + 600 kg (1320 lb) external load</li> </ul>

### PERFORMANCE

	1800 kg (3968 lb)		1700 kg (3740 lb)		1600 kg (3527 lb)	
Never-exceed speed VNE	254 km/h	137 kts	257 km/h	138 kts	260 km/h	140 kts
Maximum cruise speed (cont. power)	206 km/h	111 kts	208 km/h	112 kts	211 km/h	113 kts
Maximum rate of climb (take-off power)	7,4 m/s	1457 ft/min	8,7 m/s	1713 ft/min	10,1 m/s	1988 ft/min
Hover ceiling IGE at take-off power ISA	2150 m	7052 ft	2750 m	9020 ft	3300 m	10824 ft
Hover ceiling OGE at take-off power ISA	910 m	2985 ft	1570 m	5150 ft	2200 m	7216 ft
Service ceiling - ISA (0,5 m/s)	4250 m	13940 ft	4730 m	15514 ft	5500 m	18040 ft
Maximum range	764 km	413 nm	781 km	422 nm	797 km	431 nm
Maximum endurance	4,93 h		5,10 h		5,25 h	
Cabin dimensions L x H x W	2,14 x 1,27 x 1,41 m		7,02 x 4,17 x 4,63 ft			



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