

## SELF PROPELLED MAINTENANCE PLATFORM | PA80

The SOVAM platforms are specially designed for maintenance operations in workshops with elevation heights between 1 450 and 8 000 meters



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## TECHNICAL DESCRIPTION

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### Sovam Maintenance Platform PA

PA maintenance platforms are self-propelled elevating platforms with hydraulically activated hinged levers (scissors). The plateau and its elevator system are installed on a motorised carrier. The platform is driven from the driving station located on the plateau. PA platforms can be moved to any height even in winds of up to 80 km/h (50 mph).

#### Engine (Diesel version)

- Perkins Engine 404D22
- Mechanical cooling system
- Hydrostatic Transmission
- Hydrostatic steering
- Hydrostatic braking system
- Automatic parking brake system
- Rexroth hydraulic pump
- Poclain wheel motors
- Conventional emergency electro-pump
- Turning radius: 5 800 mm
- Ground clearance: 150 mm
- Maximum travel speed (low position): 8 Km/h
- Maximum low speed (elevation position): 2 Km/h



#### Platform

- Elevation system with double scissors
- Maximum payload 465 Kg (4 persons with tools)
- Platform back sliding: 1 500 mm
- Minimum height 1430 mm
- Maximum height 8 000 mm
- Maximum working height 10 000 mm
- Handrail height 1 100 mm
- Elevation speed: 1 to 6 m/min
- Foldable handrail (3 positions)
- Tilting sensor 5% X-Y axis
- Overload control
- Anti-sliding floor
- 3 safety anchorage rings
- Front, rear and side light
- Working light on driving station



## Driving Station

The console is made of steel sheet folded and assembled by mechanical welding and houses all the equipment needed to run the PA platform such as:

- Steering wheel
- Ignition key to energise with a white light
- Forward/reverse selector with mechanical safety against inversion
- High speed validation control with built-in blue light
- Rise / lower handler with automatic return to neutral
- Plateau forward / reverse control with automatic return to neutral
- Aural warning control
- "BUZZER" sound indicator if there is a cant greater than 5% or overload
- Red overload light
- FWD/REV + elevation and descent warning
- Red motor temperature light
- Red battery charge light that comes on as soon as the battery is 80% discharged (electric versions)
- Control to bring the work projector into service
- Drive console and work console control reversing switch
- Standby electric pump control button for platform retraction / descent and assisted steering for towing
- Palm button type emergency stop



The floor is equipped with:

- Potentiometric accelerator pedal
- Brake pedal
- "Dead man" pedal



## Remote control box

The portable control box brings together the following functions:

- Rise pushbutton
- Descent pushbutton
- Plateau backward movement pushbutton
- Plateau forward movement pushbutton
- Dead man button to validate the previous functions.
- Emergency stop control



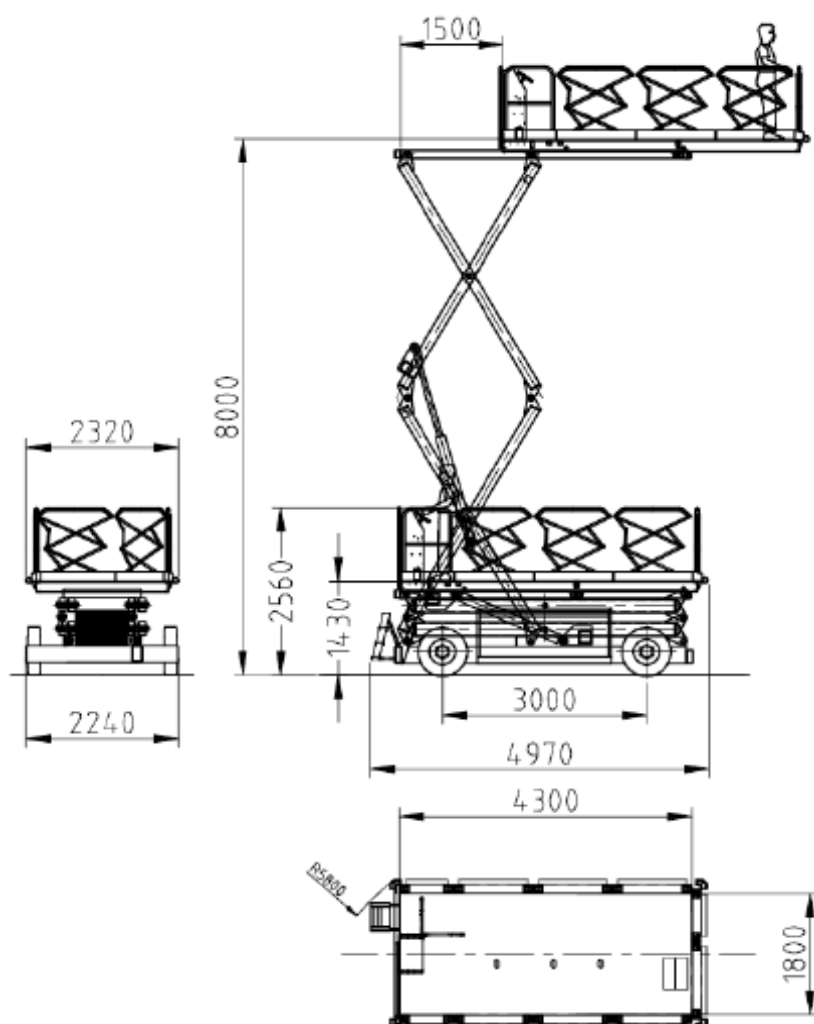
The emergency stop is located at the lower end of the box and is surrounded by a protection so that it will not be engaged if it falls.

## Aircraft protection

The entire lower surround of the work plateau is equipped with Ø 85 mm rubber sections to protect the aircraft from possible impacts.



## Dimensions



Modèle Model	Colisage Packing dim L x l x H (mm) L x W x H (mm)	Poids à Vide Weight (empty)
PA80 TH	5000x2250x2560	6700 kg