

## AERIAL PLATFORM MODEL P130A

### TECHNICAL DESCRIPTION:

#### BASE FRAME

High-quality arc-welded steel structure, fastened to the truck chassis and fitted with no.2 rear vertical outriggers within the vehicle's outer limits and no. 2 front pantograph mechanism outriggers.

The slewing bearing housing is in the center of the frame to support the superstructure.

The frame includes two side loading areas covered in non-slip aluminum and two side metal bands to protect the components installed on the frame.

#### ARM-BEARING TURRET

The turret is made of high quality sheet steel and has a press formed main body and a base plate on which the slewing bearing is fastened. The turret is assembled on and fastened with screws and nuts to the slewing bearing that supports the superstructure. Rotation is guaranteed by the slewing bearing unit with hydraulic motor and worm screw.

#### PANTOGRAPH MECHANISM

System made up of two tubular steel bars driven by a lifting cylinder. This simple solution drastically reduces the size of the machine/truck assembly and makes it possible to get round overhead obstacles.

#### OPERATING ARM

Hydraulic telescopic arm with extension and slewing driven by two hydraulic cylinders. Plastic sliding blocks with a very low friction coefficient allow the extension and retraction of the arm. The arm has a working range from -30° to +60° (degrees) compared to the horizontal position.

#### CABLE CARRIER

The control and command systems are housed inside the operator carrying arm; the machine can be maneuvered from the control point on the basket. Hydraulic and electrical cables are housed inside the plastic cable chain that protects them against sudden temperature changes and UV rays, which are known to highly affect these systems. The use of a cable chain makes it easier to carry out maintenance or replacement operations, reducing machine standstill time to a minimum.

#### OPERATOR'S BASKET

Made of tubular section aluminum bars size 1400x700x1100mm. The basket has two side openings for access from the ground.

#### OPERATOR'S BASKET LEVELLING

Levelling is achieved by means of a hydraulic system with two closed circuit cylinders (reader and actuator).

## CONTROLS

The equipment is fitted with hydraulic control system; the controls have load sensing hydraulic distributors and levers protected against accidental use. Both control panels protected from weather conditions. Control panel in basket covered with lid.

Superstructure: dual control post located on the rotating turret and on the operator's basket.

Outriggers: housed on the platform floor.

## HYDRAULIC SYSTEM POWER SUPPLY

Powered by a hydraulic pump coupled with the truck's PTO, with push in control in the driver's cab, completed by a light on the vehicle's dashboard that signals that the control is engaged.

## REGULATIONS

The platform complies with the Machinery Directive 2006/42/EC, ANSI/SIA A92.2-2009, AS/NZS 1418.10:2011, 2014/30/EU, EN 280:2013+A1:2015, EN 13849

## SPECIFICATIONS\*

Maximum working height	13.00 m
Maximum height of platform floor	11.00 m
Maximum lateral outreach	7.00 m
Operating arm working angle	-30° to +60°
Column rotation	360°
Basket maximum load capacity	250 kg (two persons + tools)
Dimensions of aluminum basket	1.4x0.7x1.1 m
Controls	Hydraulic
Outriggers	No.02 front with pantograph mechanism—No.02 rear vertical
Minimum stabilization width	2.97 m
Maximum stabilization width	2.97 m
Permissible setup inaccuracy	1,5°
Max. longitudinal tilt of the ground	
That can be recovered with the outriggers	5,5°
Hydraulic coil	Total – Equivis HZS 32
Noise emission	83 Db
Height while driving	2.37 m
Width while driving	1.88 m
Length while driving	5.62 m
Can be driven with a class B license	

\*Technical data and masses are susceptible to a +/- 5% variable

**PALFINGER PLATFORMS ITALY S.r.l.**

Sede Legale: Piazza Verdi, 43 - 39100 Bolzano

Sede Amministrativa ed Operativa: Via E. De Nicola, 31 - 41122 Modena

C.F. e Partita IVA 02788130215 REA: BZ205629

## STANDARD EQUIPMENT

- Fittings for safety belts on basket
- Engine on/off control from the basket
- Manual emergency descent controls
- Electric hour meter
- Planarity check device
- Double access to the basket from the ground
- Outrigger/boom interlock
- Air/water supply to the basket
- Emergency hand pump
- 12V socket on the basket
- 230 V or 110 V / 16 A socket on the basket
- Test button for signal lights on panels
- Emergency stop buttons
- System to signal rotation centering of machine in resting position with signal light and analogue signal
- Flanged lock valves on all cylinders
- Max. pressure valves on hydraulic system
- Automatic control system

## INSTALLED ON

- Ford Ranger 2.2 XL 4x4 wheelbase 3220

## ADDITIONAL ACCESSORIES

- Basket insulated 1000 V
- Outrigger resting plates 4pcs. with brackets
- Cage rotation +/-90°
- Engine protection mounted underneath
- 2 yellow beacons on cab
- Off-road tires.
- AC in cab.
- ABS.
- Power steering
- 4x4 with differential lock
- Emergency sign, first aid kit, fire-extinguisher, reflective vest and other accessories, for usage of unit according local norms and directives, 4 traffic cones
- Rear lights protection.
- CAB with rear window
- FM radio with speakers
- Warranty: coating 3 years
- Reinforced and raised chassis. Reinforced suspension: leaf, shock absorbers, springs. Ground clearance 210 mm.
- Trailer coupling device up to 3,5 t GVW (7 pole electric connection)
- 12V socket in cab
- Hydraulic winch with steel cable at front, pulling force 3270 kg: length of cable 30m.
- Spare wheel, jack and tools.
- 4 wheel supports.
- 4 lockable tool boxes with impact resistant inner box floor covering

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- 4 LED lights with grid: 2 on cab and 2 on basket.
- Preparation for usage in northern Europe conditions (from -25°C to +35°C)
- Anti-freeze fluid up to -35°
- Reinforced battery
- Cab heating system
- Autonomous hydraulic oil and motor oil heater.
- Case for fire-extinguishers.
- Brackets for ladder
- Grounding device
- COC certificate
- CE certificate
- User manual in Lithuanian language
- Labels in Lithuanian language