

# SCORPION 1812

## **TECHNICAL FEATURES**

### **COMPACT AND STABLE**

Scorpion 1812 is particularly suitable for immediate overhead activities for which it is necessary to stabilize directly on the roadway.

It is fitted on category B type vehicles and is small in size considering the high performance levels which this model guarantees.

It provides a fast and safe means for working at high levels in a short time. Thanks to the elimination of the front extendable crosspieces it has been possible to guarantee maximum performance levels, with a minimum stabilization arrangement, as well as easy use and a considerable saving in time for the operator.

### **BASE FRAME**

The base frame is made of high quality tubular and sheet steel bolted to the vehicle chassis. It is fitted with 4 "A" shaped outriggers. The front part of the frame is fitted with the attachment plate for housing the rotation fifth wheel. The frame is completed with a non-slip aluminium decking and has an easy-to-use ladder giving access to the platform.

### **ARM-BEARING TURRET**

The turret is made of high yield steel and rotates on a ball bearing (rotation fifth wheel) activated by means of an electric orbital motor.

### **BOOM**

The boom is telescopic with hydraulic extension and chain drive. It is made of die-formed and welded steel sheet with a high yield point. The boom has an operating range of -20° to + 80° to the horizontal and is fitted with two extendable parts which slide on blocks made of self-lubricating, low-friction material.

### **OPERATOR'S BUCKET**

The bucket is made entirely of aluminium and is fitted with 2 side openings providing easy access for the operators. The openings are protected by a bar which closes by gravity.

### **PLATFORM LEVELLING**

The levelling is achieved by a closed circuit hydraulic pantograph system with the possibility of adjusting the horizontal position manually.

### **CONTROLS**

The stabilization controls use a hydraulic distributor installed at the base frame level; the stabilizers can be operated independently or simultaneously.

The superstructure controls are installed both on the bucket and on the boom (emergency position). The operation by means of the hydraulic distributor is by direct manual commands. The bucket is fitted with the lever for manual correction of the levelling.



## **OIL&STEEL SPA**

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SHARE CAPITAL (fully paid up) 362,400.00 €  
Tax Code/VAT No. 02313650364  
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## **DEVICES FITTED AS STANDARD**

- Attachments for safety harnesses on the bucket
- Two-person aluminium bucket: 1400 x 700 x h 1100 mm
- Protective covers on control area on boom and control distributor on bucket
- Power take-off ON warning siren
- Boom outrigger interlock
- Non-slip aluminium alloy decking
- User and maintenance booklet
- Emergency descent hand pump
- Document holder on bucket
- Controls priority on bucket
- Power take-off with electric actuation and automatic release
- Moment detection and limiter system
- Engine emergency stop button
- Electric system overload switches
- Lock valves on all cylinders
- Max. pressure value on hydraulic circuit
- Start-up and shutdown of the main engine and any auxiliary engine from the bucket
- Hour counter connected to power take-off installed on vehicle dashboard
- Hydraulic rotation of bucket 90° right + 90° left
- 220 or 110 V AC socket on bucket, single-phase with cut-off switch
- Warning lights on hour counter in cabin for PTO ON and outriggers outside vehicle profile



## **CHARACTERISTICS AND PERFORMANCE**

|                                                     |                         |
|-----------------------------------------------------|-------------------------|
| <b>Max. operating height</b>                        | 17.8 m                  |
| <b>Max. operating outreach</b>                      | 12 m                    |
| <b>Max. capacity</b>                                | 225 kg                  |
| <b>Dimension of aluminium bucket</b>                | 1400 x 700 x h1100 mm   |
| <b>Stabilization controls</b>                       | Proportional hydraulics |
| <b>Turret rotation</b>                              | 400°                    |
| <b>Bucket rotation</b>                              | 90° right + 90° left    |
| <b>Stabilization</b>                                | "A" type                |
| <b>Machine length</b>                               | 6600 mm                 |
| <b>Machine height</b>                               | 2990 mm                 |
| <b>Machine width</b>                                | 2100 mm                 |
| <b>Min. permitted total weight for installation</b> | 3.5 tons                |
| <b>Min. wheelbase of vehicle</b>                    | 3400 mm                 |

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## **OPTIONALS AVAILABLE ON REQUEST**

- Protective side bars without Nissan trunk
- Plastic tool box beneath platform: 480x400x400 mm
- Platform wax protection system for shipping by sea
- Fibreglass 2-person bucket, 1400x700x1100h, instead of standard type, with or without 1000 V insulation
- Auxiliary single-phase 220/110 V AC 2.2 kW electric pump including electric control panel and battery charger powered by an external source
- Bucket fitted with 60 W work light powered by batteries supplied, including 12 V DC socket
- Multi-purpose air / water supply line to bucket
- Bucket load limiter
- 2 safety harnesses with rope
- 4 outrigger support plates
- 12 V DC 1.6 kW emergency electric pump
- 12 V DC socket on bucket
- Magnetic 12 V revolving orange light for truck cabin
- Heat exchanger
- Decals on boom (send customer logo file in .jpg format)
- Smaller fuel tank than standard - 40 litres
- Fixed side panels h 100 mm or tilting side panels on one side h 200 mm
- Red and white reflective decals on truck
- Paint options (standard white RAL 9016)
- Boom and platform treated using corrosion-resistant paint
- Extra truck cab painting



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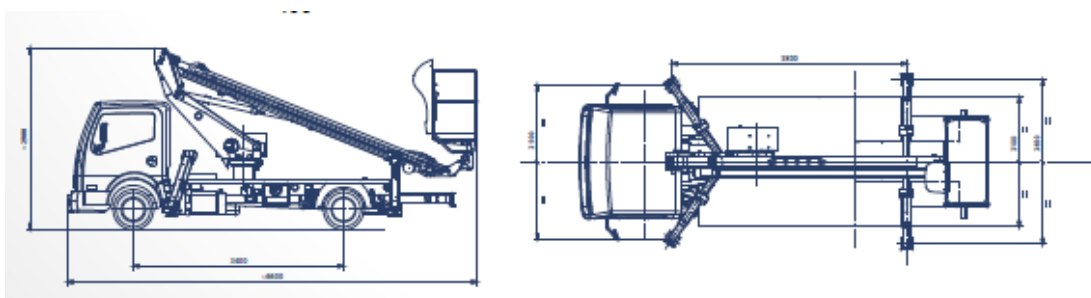
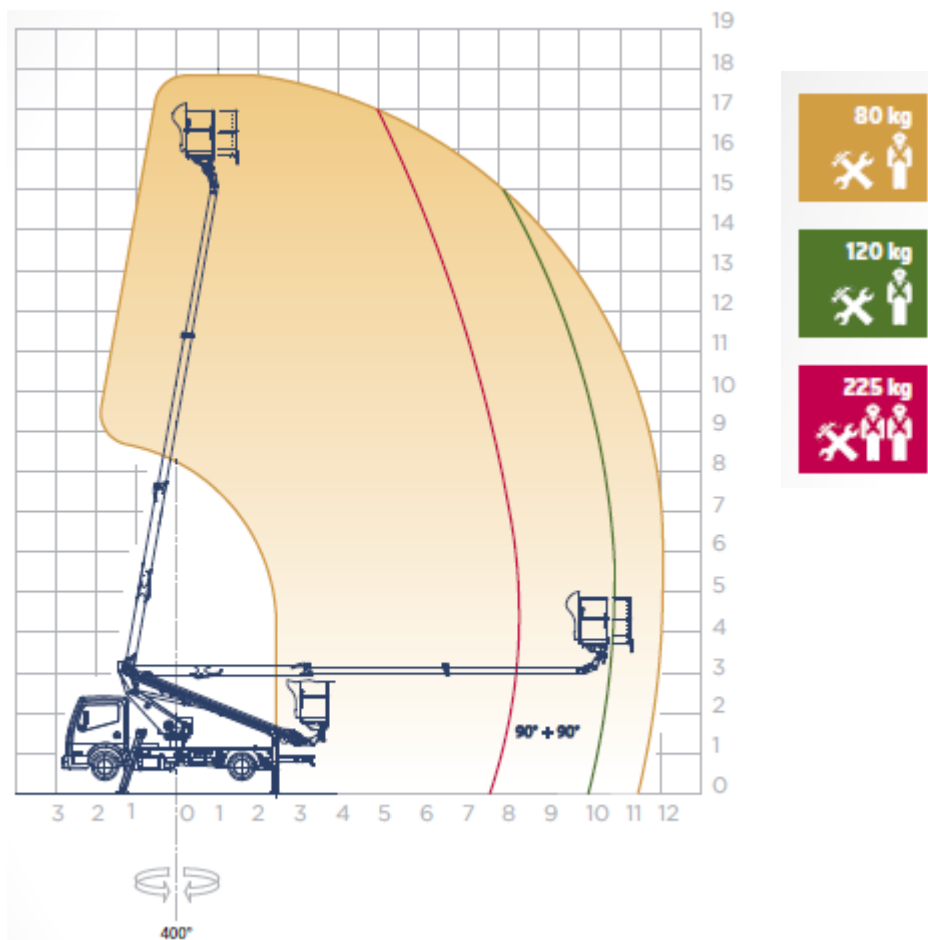
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## INSTALLATION PLAN/WORK AREA



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