

scorpion 1490 smart



DESCRIPTION OF THE TECHNICAL FEATURES

BASE FRAME

High-quality tubular and sheet steel structure bolted onto the vehicle chassis. Equipped with 4 A-type stabilizer feet. On the front part of the frame there is the attachment plate for housing the rotation fifth wheel. The frame is completed with a non-slip aluminium work platform and has an easy-to-use ladder giving access to the platform.

ARM-BEARING TURRET

Made of high-quality tubular and sheet steel connected to a base bearing. The turret rotates driven by a hydraulic reduction gear with normally closed parking brake that opens automatically.

ARM

Telescopic with hydraulic extension, made of die-formed and welded sheet steel with an extremely high yielding limit. The arm has an operating range of -25° to $+80^{\circ}$ in relation to the horizontal and has two extendible parts that slide on sliding blocks made of low-friction material that is self-lubricating and has a very low friction coefficient.

OPERATORS' PLATFORM

It is made entirely of aluminium and it has a generously proportioned front opening that makes it easy for operators to access the platform. This opening is guarded by a bar that closes through the force of gravity.

PLATFORM LEVELLING

It uses a hydraulic pantograph system with two cylinders in phase that is able to rephase the horizontal condition manually.

CONTROLS

Aerial controls: by hydraulic distributor with independent or simultaneous operation of the stabilizers located at the frame level.
Superstructure controls: they are located in two positions- on the rotatable turret and on the platform. They comprise a hydraulic distributor with direct manual control. The platform levelling controls are also located on the platform.



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STANDARD SAFETY DEVICES

- Hooks for safety belts
- Arm stop with non-stabilized machine
- Stabilizers stop with machine open
- Device on self-locking rotation
- Use and maintenance manual
- Manual pump for emergency descent
- Max. valve on hydraulic circuit
- Thermal overload protection on electrical system
- Stop valves on all cylinders

SERIALLY MOUNTED ACCESSORIES

- Vehicle engine switched on and off from the control panel on the ground and from the platform
- 2 safety belts
- Device warning that stabilizers are not at rest (vehicle dashboard)
- Hydraulic rotation of platform
- 220 VDC monophase electric power socket on platform with differential switches
- Power ON warning lamp (vehicle dashboard)

FEATURES AND PERFORMANCE

Max. operating height	14 m/2 operators
Max. operating outreach	9 m/2 operators
Maximum capacity	200 kg/2 operators
Dimensions of aluminium operator platform	1400 x 700 x h1100 mm
Controls	Hydraulic
Turret rotation	360°
Operator-platform rotation	90° right + 90° left
Stabilization	4 stabilizers boxed in an A configuration
Machine length	6,577 mm
Max. height	3,000 mm
Machine width	2,100 mm
Minimum permitted total weight for installation	3.5 tonnes



OPTIONALS AVAILABLE ON REQUEST

- 12 V AC single-phase electric power socket on platform
- 60 W spotlight on platform powered by batteries
- 220/110 VAC, 2.2kw monophasic auxiliary electric pump comprising an electric control panel and battery charger supplied from an external network.
- Adhesive messages on arm
- Custom stickers on boom (customer logo-send .jpg file)
- Electric pump for emergency lowering
- Yellow rotating lamp with magnetic fixture
- Double yellow rotating lamp for street signal on truck
- Double yellow rotating lamp mounted on truck cab
- Fibreglass platform instead of standard version, dim. 700 x 1400 x h 1100 mm
- Fibreglass platform instead of standard version, dim. 700 x 1400 x h 1100 mm with 1000 V insulated
- Fixed side panels, h 100 mm
- Drop-leaf side panels on 1 side (RH) h 200 mm
- Heat exchanger
- Non-standard paintwork (RAL 9016 white)
- Non-standard paintwork for cold climate (RAL 9016 white)
- Paintwork for cold climate (RAL 9016 white)
- Extra paintwork for truck cab
- Parabike – lateral protection for truck, on Nissan-Renault with tool box
- Platform waxing for sea transport
- Pneumatic power line to platform with quick couplings
- Retroreflective stripes white/red for truck
- Small diesel tank – instead of standard –



OPERATING AREA AND GEOMETRICAL FIGURES

