

scorpion 1812 smart



DESCRIPTION OF THE TECHNICAL FEATURES

BASE FRAME

High-quality tubular and sheet steel structure bolted onto the vehicle chassis. The frame has 4 stabilizer feet, the rear two of which have an 'A'-shaped assembly, and the two front stabilizing feet are mounted on telescopic arms that extend manually (the machine can be used with the arms of the front stabilizers retracted or extended). On the rear 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 the column. Made of heavy-duty sheet steel that rotates on bushes with a low friction coefficient, it is driven by a hydraulic motor coupled with a worm screw connected to the ring that is integral with the frame.

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° 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

Equipment provided with completely hydraulic command and control system.

Stabilization: by hydraulic distributor with independent or simultaneous operation of the stabilizers located at the frame level.



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Superstructure: the commands are located in two positions- on the rotatable turret and on the platform. They use sensitized proportional hydraulic distributors that are able to perform several operations simultaneously. The electric power panel is located in the platform control position and comprises the various consent and alarm warning lamps, the emergency button and the motor starter switch

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
- Work area automatic selector (extended or reduced stabilization)
- 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 monophasic electric power socket on platform with differential switches
- Yellow rotating lamp on vehicle cab
- Power ON warning lamp (vehicle dashboard)

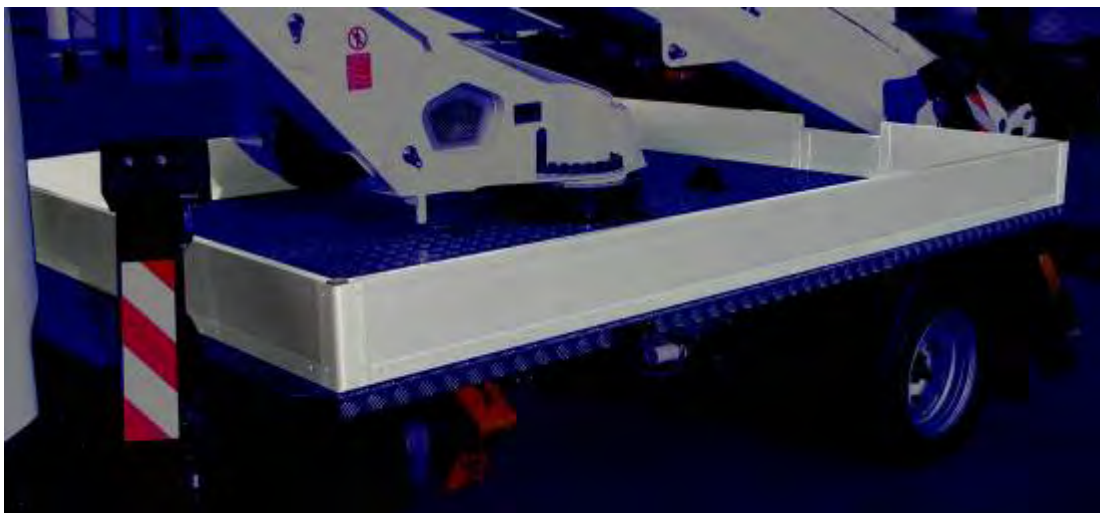
FEATURES AND PERFORMANCE

Max. operating height	18 m
Max. operating outreach	12 m
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	2 boxed stabilizers on front extendible crossbeams + 2 A-type boxed front stabilizers
Machine length	6,500 mm
Max. height	3,000 mm
Machine width	2,100 mm
Minimum permitted total weight for installation	3.5 tonnes



OPTIONALS AVAILABLE ON REQUEST

- Fibreglass platform for two operators
- 220VAC, 2.2kw monophasic auxiliary electric pump comprising an electric control panel and battery charger supplied from an external network.
- 60W illuminating lamp on operator platform supplied by vehicle's batteries (available only with optional power socket), including 12V power socket
- Multiuse power line to platform with kwik-fit attachments
- Stabilizer resting plates
- Magnetized rotating lamp with additional yellow lamp
- Fixed side panels, h 100 mm
- Overturnable side panels on one side (right), h 200 mm
- Adhesive messages on arm
- Paint other than standard (white RAL 9016)
- Extra painting of vehicle cab



OPERATING AREA AND GEOMETRICAL FIGURES

