

scorpion 2012 smart



DESCRIPTION OF THE TECHNICAL FEATURES

BASE FRAME

High-quality tubular 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 front part of the frame there is the bush and the rotating crown of the aerial part. The frame has a loading plane made of non-slip aluminium.

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 -22° to $+85^{\circ}$ in relation to the horizontal and has three extendible arms that are moved by chain transmission that slides on sliding blocks made of low-friction material that is self-lubricating and has a very low friction coefficient.

The new version of the arm (two more bends) makes the machine extremely stiff.

The channel and the chain set of the pipes and cables connected to the platform are located in the operating arm.

OPERATORS' PLATFORM

It is made entirely of aluminium and it has two generously proportioned side openings that makes it easy for operators to access the platform. These openings are guarded by a bar that closes through the force of gravity.

PLATFORM LEVELLING

Hydraulic pantograph system. There are two cylinders in phase that enable the horizontal condition to be rephased manually.



CONTROLS

Equipment provided with a proportional electro-hydraulic command and control system with the possibility of controlling several operations simultaneously.

Stabilization: by hydraulic distributor with independent or simultaneous operation of the stabilizers.

Superstructure: the controls are located in two positions- on the rotatable turret and on the platform. They consist of a compensated proportional hydraulic distributor on the platform that is operated by a joystick that enables several operations to be run simultaneously. In the platform control position THERE ARE ALSO 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 platform
- Plastic boot measuring 460x345x360 mm below the truck bed
- 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
- Yellow rotating lamp on vehicle cab
- Power ON warning lamp (vehicle dashboard)



FEATURES AND PERFORMANCE

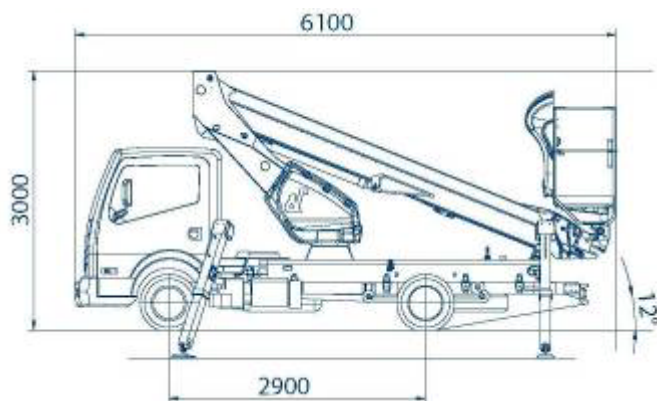
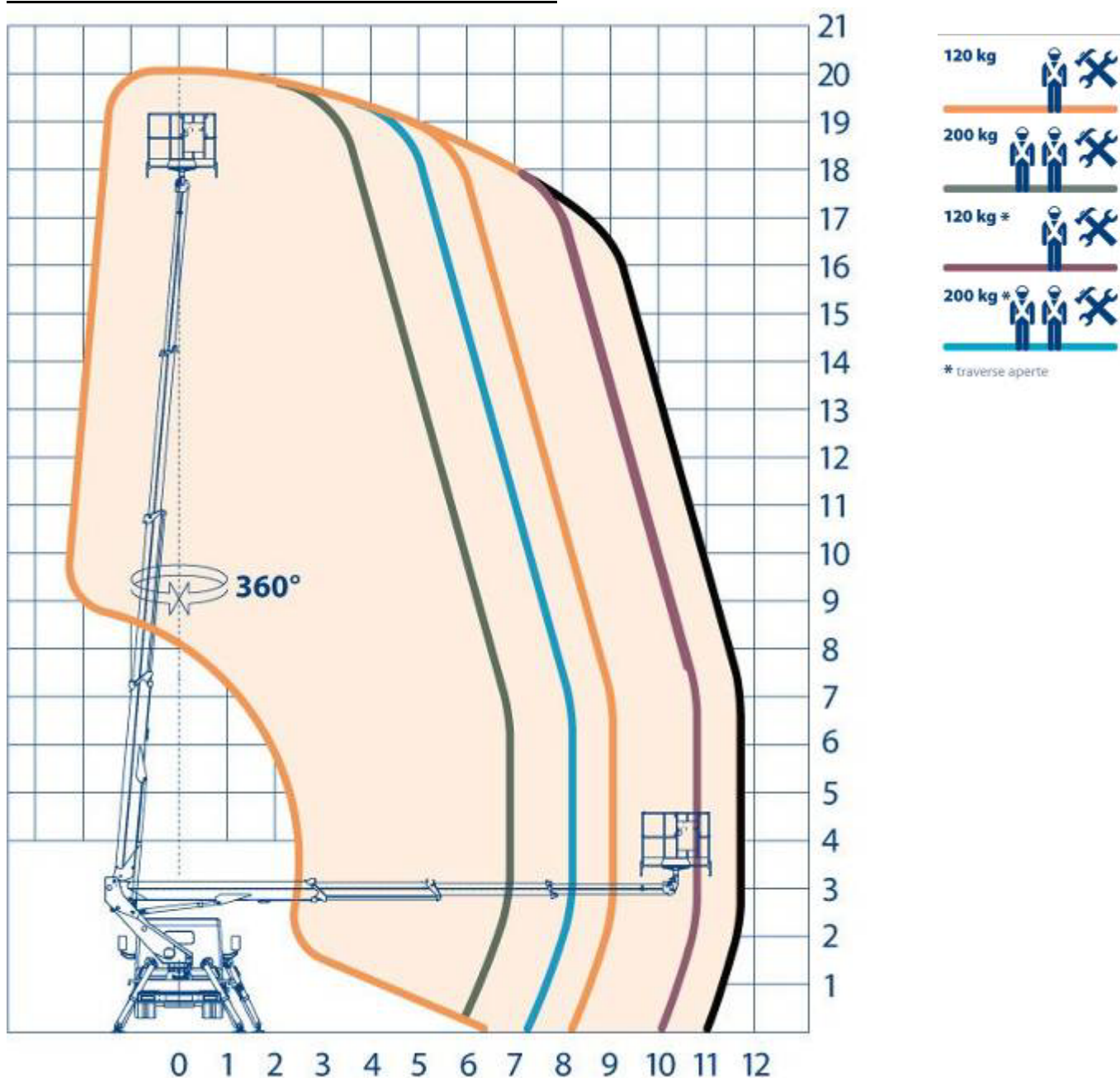
Max. operating height	20 m
Max. operating outreach	12 m
Maximum capacity	200 kg/2 operators
Dimensions of aluminium operator platform	1400 x 700 x h 1100 mm
Controls	Electro-hydraulic
Turret rotation	360°
Operator-platform rotation	90° right + 90° left
Stabilization	2 boxed stabilizers on front extendible crossbeams + 2 A-type boxed front stabilizers
Machine length	6,160 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 monophase auxiliary electric pump comprising an electric control panel and battery charger supplied from an external network.
- Adhesive messages on arm
- Anti-collision device of operating arm - cab
- 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
- 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



OIL&STEEL SPA

Via Verdi 22
41018 San Cesario Sul Panaro
Modena - Italy

subject to management and coordination
of PM Group spa, a company with a sole director
Registered with Companies Register of Modena as R.E.A. 282202
Tel. +39 059 936811 Fax +39 059 936413

SHARE CAPITAL €362,400.00, fully paid up
TAX CODE/VAT NUMBER 02313650364
www.oilsteel.com - info@oilsteel.com