

snake 2010 compact RE



DESCRIPTION OF THE TECHNICAL FEATURES

BASE FRAME

High-quality tubular and sheet steel structure bolted onto the vehicle chassis. Equipped with 4 boxed telescopic stabilizer feet. The frame has a non-slip aluminium work platform and a ladder on the side giving access to the platform and any requested options.

ARM-BEARING TURRET

High-quality steel sheet mounted on the rotation thrust ball bearing with a worm screw system. The turret rotates driven by a hydraulic motor coupled with a worm screw that engages with the crown that is incorporated into the frame.

STANDARD PANTOGRAPH UNIT

The system used to lift the work arm consists of two pairs of bars, both the same length, which are driven by a hydraulic jack at the base and a connecting rod transmission between the two pairs of bars. The combination of the same bar length and lever transmission between the two systems allows the operator's platform to be moved vertically with accuracy to the nearest millimetre (plumb line pantograph manoeuvre). This lifting feature means obstacles at work heights of over 8 m can be manoeuvred round.

ARM

Telescopic with hydraulic extension with driving gear, made of die-formed and welded sheet steel with extremely high yielding limit. For increased protection, it houses the hydraulic extension cylinder and the ducting for the hydraulic hose lines running to the operator's platform.

OPERATORS' PLATFORM

Built entirely of aluminium. Equipped with 2 generously proportioned side openings that make it easy for operators to access the platform. These openings are guarded by bars that close through the force of gravity.



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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.

Superstructure: built in duplicate for the two work posts and allows several manoeuvres to be performed at once:

- on the base frame, the operator can control the machine in emergency conditions using the distributor levers
- on the operator's platform, the operator can use the levers connected to the hydraulic distributor, in addition to the various clearance and alarm signal lights, the emergency stop button and the engine start button.

STANDARD SAFETY DEVICES

- Hooks for safety belts
- Anti-collision device that prevents the superstructure hitting the truck cab
- Arm stop with non-stabilized machine
- Stabilizers stop with machine open
- Device on self-locking rotation
- Device for reading minimum stabilization in order to ensure the maximum guaranteed safety value as a minimum requirement
- Use and maintenance manual
- Outreach limiter
- 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 monophasic electric power socket on platform with differential switches
- Power ON warning lamp (vehicle dashboard)



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FEATURES AND PERFORMANCE

Max. operating height	20 m
Max. operating outreach	10 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	4 telescopic stabilizers tilted in a box configuration
Machine length	6,300 mm
Max. height	2,400 mm
Machine width	2,100 mm
Minimum permitted total weight for installation	3.5 tonnes
Minimum truck wheelbase	3,400 mm

OPTIONALS AVAILABLE ON REQUEST

- 12 V AC single-phase electric power socket on platform
- 60 W spotlight on platform powered by batteries including 12 V outlet
- Chassis slope sensing system
- Custom stickers on boom (customer logo-send .jpg file)
- 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 -
- Junction protection

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OPERATING AREA AND GEOMETRICAL FIGURES

