PAGANI®

GEOTECHNICAL EQUIPMENT

MADE IN ITALY

MGS

TG30-20 SE

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GEOTECHNICAL EQUIPMENT

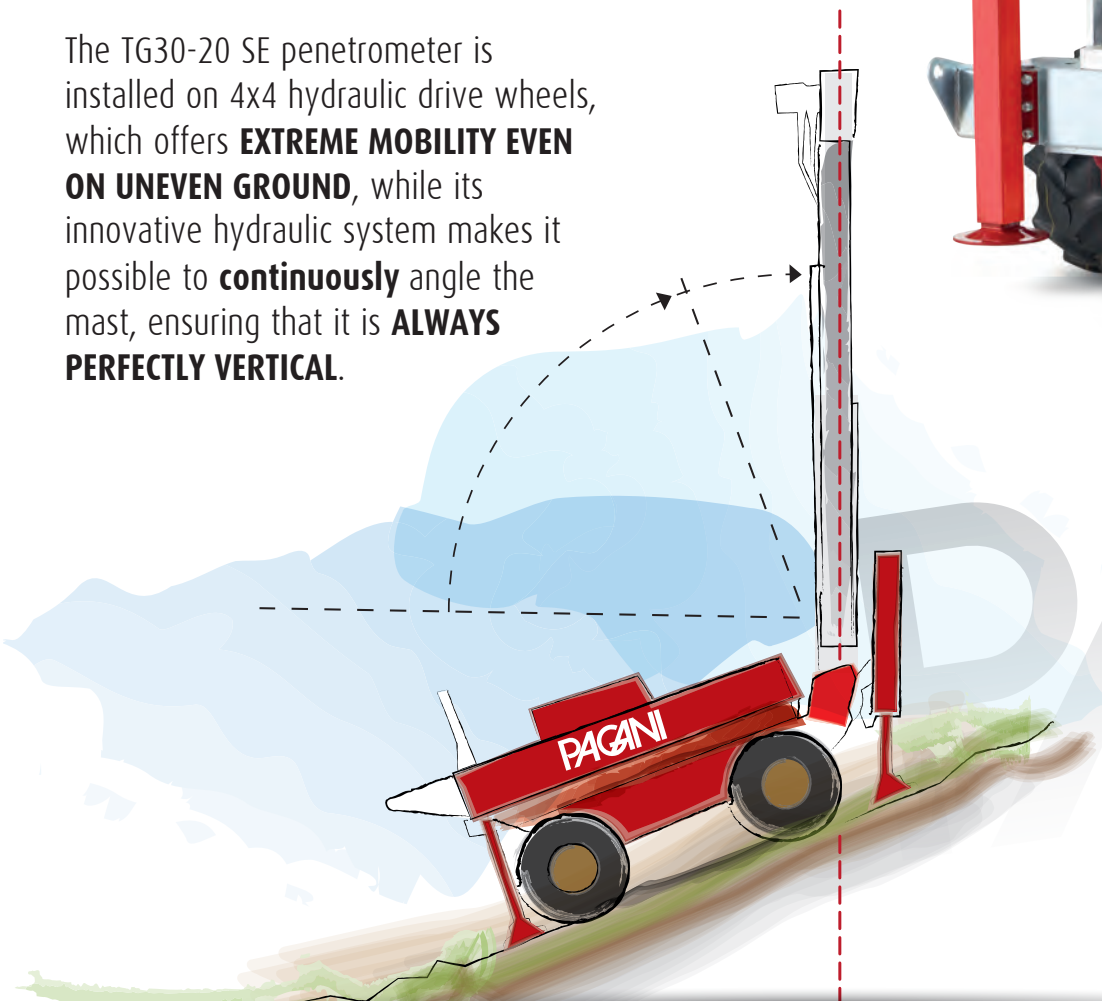
DYNAMIC PENETROMETER
SUPER COMPACT

The TG30-20 SE is the response to the ever-increasing demand for **MANOEUVRABLE AND VERSATILE MACHINES** which are **easy to use**.

It sets itself apart with the **high proportion of energy** transmitted to the rods by the hammer. Its prerogative is that it **can be used easily** and effortlessly **BY ONLY ONE OPERATOR**.

It guarantees perfect verticality when driving in the rods. It also makes **rod extraction ultra-rapid**.

The TG30-20 SE penetrometer is installed on 4x4 hydraulic drive wheels, which offers **EXTREME MOBILITY EVEN ON UNEVEN GROUND**, while its innovative hydraulic system makes it possible to **continuously** angle the mast, ensuring that it is **ALWAYS PERFECTLY VERTICAL**.



TG30-20 SE

The TG30-20 SE is configured for dynamic penetrometric tests (average dynamic performance 78%). It can be used not only for dynamic tests, but also with removable bits, lining tubes for DP tests and with a sampler for soil samples with limited disturbance, that guarantees improved ability to interpret the penetrometric data.

The TG30-20 SE is available
in a DP version (dynamic test).
Dynamic for Ø20 mm rods
Dynamic for Ø22 mm rods

TG30-20 SE

DP TESTS

The following tests can be performed:

	Hammer		Drill		Rods		Bit		
DPM-A (standard)	30 kg	66 pound	200 mm	7.87 inch	Ø22 mm	0.87 inch	10 cm^2	1.6 $inch^2$	60°
DPM (optional)	30 kg	66 pound	500 mm	19.6 inch	Ø32 mm	1.26 inch	15 cm^2	2.4 $inch^2$	90°

ENGINE

Type	4-stroke, unleaded petrol supply, forced air-cooling with single-cylinder
Ignition	Electric and hand starter
Power (Hp) – (kW)	6.5 – 4.8 a 3600 rpm
Displacement (cm^3) – (in^3)	203 – 12.39
Air filter	Slip-on pre-filter and cartridge filter
Consumption (litres/hour) - (US gallons/hour)	Variable from 0.57 - 0.15 to 1.20 - 0.31 depending on power requested

HYDRAULIC SYSTEM

Circuit capacity (litres) – (US gallons)	7.8 – 2.1
Maximum operating pressure (bar) – (psi) – (kPa)	150 – 2176 - 15000
Pumps	No. 1
Filter	Cartridge filter with 25µm filtering capacity

CYLINDER UNIT

Maximum extraction capacity (kN) - (pounds)	48 - 10791
Lift unit piston stroke (mm) - (inch)	1243 – 48.94

STABILIZERS

3 with manual action with jack

NOISE

L_{wac} (dB)	107 (ISO 3744)

REFUELLING

Fuel tank capacity (litres) – (US gallons)	3.8 – 1
Hydraulic oil tank capacity (litres) – (US gallons)	7.2 – 1.9

FRAME COLOUR

Standard colour	Ruby red RAL 3003

EMERGENCY EQUIPMENT

First aid kit and cat. A-B-C 1kg extinguisher

TG30-20 SE

DOCUMENTATION

Penetrometer user's manual, motor user's manual and certificate booklet.

PLATES

There are engraved aluminium plates riveted to the frame to explain how the hydraulic levers work.
The electrical controls, on the adynlog panel (where present), can be identified via printed adhesive film.

TRAVEL

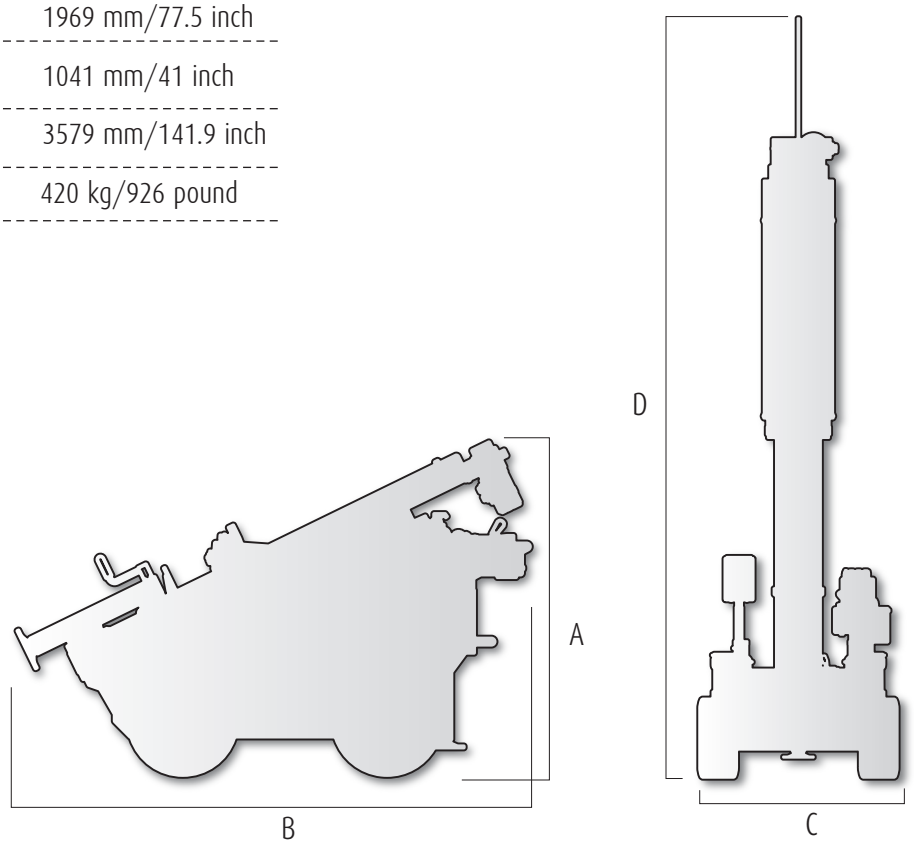
Type	Hydrostatic with negative brake
Tyre size	17.00 x 8.00 - 8
Speed (km/hour) - (miles/hour)	2 – 1.24
Max. forward slope	25%
Max. lateral slope	10%

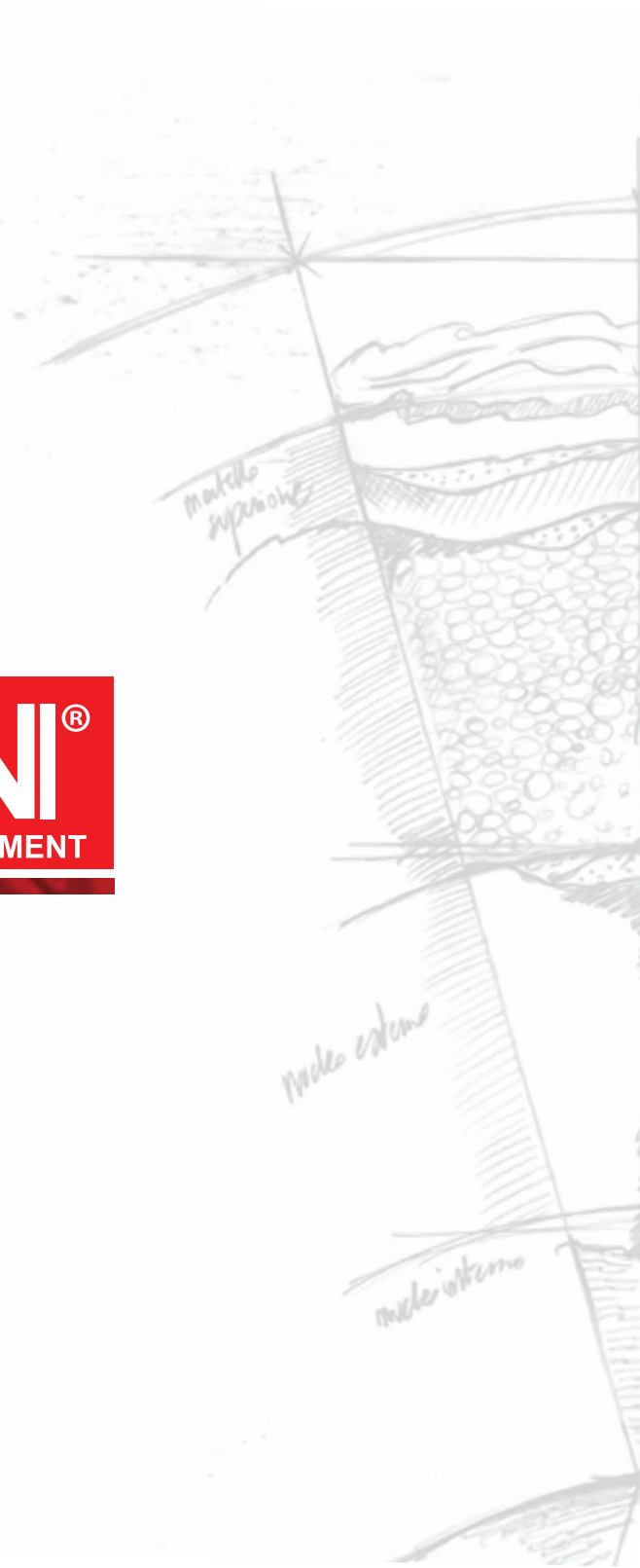
ELECTRIC SYSTEM

Battery	1 12V - 33Ah - without maintenance
Battery isolator	Manually controlled

SIZE AND WEIGHT

A	1278 mm/50.3 inch
B	1969 mm/77.5 inch
C	1041 mm/41 inch
D	3579 mm/141.9 inch
Weight without accessories	420 kg/926 pound





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Non-binding data, with right
to make changes.
The diagrams may differ
from the standard version.
The equipment may differ depending
on which country it is being shipped to.