







<div>  CPT tests </div>		
Max pull-down force (kN) – (kilopound)		200 - 20394
Max pull-up force (kN) – (kilopound)		250 - 25493
Test speed (cm/sec) – (foot/sec)		2 – 0,065
Hydraulic selector for CPT tests		
Max pull-down force measured by the load cell (kN) – (kilo-pound)		200 - 20394


<div>  DP tests </div>									
Available configurations									
	Hammer		Stroke		Rods		Tips		
DPSH (standard)	63,5 kg	140 pound	750 mm	29,5 inch	Ø32 mm	1,26 inch	20 cm ²	3,2 inch ²	90°
DPH	50 kg	110 pound	500 mm	19,6 inch	Ø32 mm	1,26 inch	15 cm ²	2,4 inch ²	90°

<div>  Engine </div>	
Type	Diesel, liquid cooling system, 4 cylinders in line, indirect fuel injection, head single-shaft distribution, emissions according to directives Epa Tier 4, muffler
Starting	Electric
Power (Hp) – (Kw)	30,5 – 22,7 at 3000 rpm
Displacement (cm³) – (inch³)	1372 – 83,7
Torque (kgm) – (inch-pound) – (Nm)	8,7 – 752 – 85 at 2000 rpm
Air filter	Cartridge filter
Consumption (liters/h) – (US gallon/h)	Ranging from 7,95 – 2,10 a 9,98 – 2,63 depending on the power required
Hood	Engine provided with deadening hood

<div>  Engine instruments </div>	
Starting block with key, clogged air filter light, alternator low charge light, engine oil pressure low light, glow plugs pre-heating light, low fuel light, radiator water temperature light, check control light	
Analog hour counter	


<div>  Hydraulic system </div>	
Circuit capacity (liters) – (US gallon)	29 – 7,66
Heat exchanger	Air-oil with electric fan. IP65 protection degree
Max operating pressure (bar) – (psi) – (kPa)	200 – 2901 - 20000
Pumps	N° 4 in line
Filter	Cartridge filter with 10µm filtering capacity


<div>  Hydraulic system instruments </div>	
Two pressure gauges are installed to check the hydraulic system pressure:	
<ul style="list-style-type: none"> one checks the pressure inside the transfer and anchoring system; one checks the pressure inside the hydraulic cylinders, that is the pull and thrust exerted on the ground 	

<div>  Rubber tracks </div>	
Type	Hydrostatic with epicyclic reduction gear and negative brake
Track type	Rubber
Track tightener	Pre-charged spring type
Speed (km/h) – (miles/h)	2 – 1,24
Max front slope	25%
Max side slope	10%
A remote control with a cable is provided for translation	


<div>  Cylinder unit </div>	
Max penetration speed (cm/sec) – (foot/sec)	0/10 – 0/0,328
Max extraction speed (cm/sec) – (foot/sec)	0/7,5 – 0/0,246
Lifting and thrust unit piston stroke (mm) – (inch)	2030 - 80

<div>  Stabilizers </div>	
3 hydraulic operation stabilizers with articulated foot	

<div>  Anchoring system </div>	
Anchoring augers screwing/unscrewing	By gearmotor (1 per trolley)
Anchoring trolleys	n°2, one per machine side
Anchoring torque (kgm) – (inch-pound) – (Nm)	500 – 43398 - 4905
Anchoring type	Telescopic
Standard helicoidal augers (mm) – (inch)	300 – 400 – 500
Standard helicoidal augers (mm) – (inch)	11,8 – 15,8 – 19,7
Anchoring augers speed (rpm)	10


<div>  Electric system </div>	
Battery	N°1 da 12V - 80Ah – 330A – no maintenance required
Battery disconnecter	Hand controlled


<div>  Noise </div>	
LWA (dB)	105 (ISO 3746)

<div>  Tanks </div>	
Fuel tank capacity (liters) – (US gallon)	14 – 3,7
Hydraulic oil tank capacity (liters) – (US gallon)	62 –16,4

<div>  Frame colour </div>	
Standard colour	Beige Pagani

<div>  Emergency outfit </div>	
First aid kit and fire extinguisher (2 Kg - class A-B-C)	

<div>  Documentation </div>	
Penetrometer use and maintenance manual, engine use and maintenance manual, certificate folder, software use manual	

<div>  Plates </div>	
Some engraved aluminium plates identifying the functions of the hydraulic levers are riveted onto the frame. The electric controls on the operator panel are identified by engravings on the panel	

<div>  Software </div>	
CPT tests software	