

GEOPROBE® 6622CPT ...

Big CPT Push Power in Compact Package



Completing post compaction studies to verify new stability for housing foundations.

6622DT MACHINE OPTIONS

Anchor System

205227	Soil Anchor, 10 in. Spiral
205109	Soil Anchor, 15 in. Spiral
205072	Soil Anchor Extension, 60 in.
205209	Soil Anchor Pinning Bracket
600193	HSA Auger Connecting Pin

Water / Mud Pumps

217391	Moyno® 2L4 Pump & Mount
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Hydraulic Extruder

222613	60 in. Hydraulic Extruder - Helper Side
217396	Extruder w/ 2L4 Mounting Kit

Rod Racks

212306	Locking Side Mount Rod Rack
209257	Side Mount Rod Rack
211734	Side Rack Mount Blank

Drop Racks

207659	Drop Rack System with Rod Rack
203808	Cable Rod Rack



Equipped with two outboard mounted hydraulic anchor drives for installing up to 16-in. diameter anchors.

Model 6622CPT Specifications

Stroke	66 in.	1,676 mm
Weight	8,720 lb.	3959 kg
Width	78 in.	1,981 mm
Track Width	12 in.	305 mm
Length (folded)	135 in.	3,429 mm
Height (folded)	88 in.	2,235mm
Height (working max)	166 in.	4,216 mm
Lateral Movement (side-to-side)	25 in.	635 mm
Extension	15 in.	381 mm
Main (Push) Cylinders (diameter)	4 in.	102 mm
Pulling Stroke Time (high/low speed)	5 sec/11 sec	
Down Force	40,000 lb.	178 kN
Retraction Force	46,000 lb.	205 kN
CPT Operating Pressure	2,500 psi	169 bar
Track Drive Operating Pressure	2,850 psi	196 bar
Hydraulic Flow Rate (system)	40 gpm	151 Lpm
Hammer System	GH62	
Percussion Rate	32 Hz	
Torque (hammer motor)	560 ft. lb.	759 N-M
Rotation Rate (hammer motor)		240 rpm (bi-directional)
Hammer Side Shift	12 in.	305 mm
Fuel Capacity (diesel)	17 gal	64 L
Engine (diesel)	Kubota, 4-cylinder turbo, liquid cooled	
Engine Power	58 hp	40 Kw
Leveling Jacks, 2 forward, 2 rear	Hydraulic	
Travel Speed	0-5 mph	0-8 kph
Surface Load	4.4lb/in ²	0.31 kg/cm ²
Anchor Drives	2	
Anchor Spacing, center-to-center	66 in.	1676 mm
Anchor Drive Stroke	69 in.	1753 mm
Anchor Torque	2500 ft. lb.	3390 N-M
Anchor Diameter (max)	15 in.	381 mm
Auxiliary Hydraulics: 3 outlets (ea)	30 gpm	114 Lpm

Geoprobe® Tooling Run with 6622CPT

60-in. Direct Push Tooling

- Probe Rod Sizes: 3.75 in., 3.5 in., 3.25 in., 2.25 in., 1.5 in., 1.25 in.
 - Direct Image® Tooling
 - Macro Core® MC5 Soil Sampling
 - DT22 Soil Sampling
 - DT325 / DT35 / DT375 Dual Tube Soil Sampling
 - SP22 Groundwater Sampling
 - SP16 Groundwater Sampling
- 2.0 in., 1.5 in., 1.0 in., 0.75-in. Prepacked Monitoring Well Installations



CPT compaction testing with the 6622CPT machine.



6622_{CPT}

Push Platform

- Unique Push Platform
- Front Hydraulic Outriggers for Stabilization
- Static Push and Direct Push Capabilities for Soil and Groundwater Sampling
- Two Outboard Mounted Hydraulic Anchor Drives for Installing up to 16-in Diameter Anchors
- Hydraulically-Activated CPT Chuck with Wide Chuck Opening for Larger Diameter Tooling
- Reliable Geoprobe® GH62 Percussion Hammer
- Centerline Side-shift Function
- Proven Frame Rail System
- Direct Image® Tooling Compatible



6622CPT machine anchored in concrete.



Geoprobe Systems®
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