

GEOPROBE®

540MT ... Ready for Confined Spaces & Low Ceilings with Reliable Geoprobe® Power

Geoprobe®



Using the 540MT inside a building to collect DT22 samples to delineate a UST plume and determine site lithology.

Model 540MT Specifications

Stroke	54 in.	1372 mm
Weight	990 lb.	449 kg
Transport Height (folded)	35 in.	889 mm
Transport Width	35 in.	889 mm
Transport Length (folded)	93 in.	2362 mm
Working Height (maximum)	121 in.	3073 mm
Working Width (incl. outriggers)	56 in.	1422 mm
Working Length (incl. hitch)	105 in.	2667 mm
Probe Cylinder Diameter	4.0 in.	102 mm
Down Force	18,000 lb.	80 kN
Retraction Force	25,000 lb.	111 kN
Hydraulic Pressure	2,000 psi	138 bar
Hydraulic Flow Rate	12 gpm	38 L/min
Hammer System	GH42	
Percussion Rate	30 Hz	
Rotation Torque	345 ft. lb.	468 N•M
Rotation Rate (bi-directional)	125 rpm	

PortaCo® Inc. Compact, Hydraulic Power Unit

Hydraulic Flow: 12 gpm (38 Lpm) at 2000 psi (138 bar)

Powered by an 20 Hp Briggs & Stratton electric-start engine

Engine operates on unleaded gasoline (Diesel available by request)

Compact Size: 35 in. long x 29 in. wide x 32 in. high (889 x 737 x 813 mm)

Weight: 320 lb. (145 kg)



A 540MT is used for geotechnical surveys at a potential mining site in Greenland.



Geoprobe® Tooling Run with 540MT

48-in. Direct Push Tooling

- Probe Rod Sizes: 2.25 in., 1.5 in., 1.25 in.
- Macro Core® MC5 Soil Sampling
 - LB Soil Sampling
 - DT22 Soil Sampling
- SP22 Groundwater Sampling
- SP16 Groundwater Sampling
- 0.75-in. Prepacked Monitoring Well Installations

540_{MT}

Limited Access Unit

- Limited Access Direct Push Capabilities
- Reliable Geoprobe® GH40 Hammer System
- Bi-directional Hammer Rotation for Concrete Drilling
- 54-in. Stroke Accommodates 48-in. Tooling
- Uses Remote Hydraulic Source
- Cart Mounted with Rear Stabilization Legs
- Quick Connects Easily Attach to Remote Power Unit
- Optional Telescoping Mast for Low Clearance Work



At 35 in. wide, this little machine fits through some tight spots.



Geoprobe Systems®
1-785-825-1842
geoprobe.com