

# Geoprobe® Model 420M LIMITED ACCESS

## Model 420M Specifications

Stroke.....	42 in. ....	1067 mm
Weight .....	411 lb. ....	187 Kg
Weight (with rod guide & outriggers) .....	446 lb. ....	202 Kg
Width (transport width).....	23 in. ....	584 mm
Width (working width with outriggers extended) .....	36 in. ....	914 mm
Length (mast vertical).....	28 in. ....	711 mm
Length (mast vertical & outriggers installed) .....	45 in. ....	1143 mm
Length (mast horizontal) .....	62 in. ....	1575 mm
Height (mast vertical - probe cylinder extended) .....	94 in. ....	2388 mm
Height (mast vertical - probe cylinder retracted) .....	62 in. ....	1575 mm
Down Force .....	11,700 lb. ....	52.1 kN
Retraction Force .....	14,000 lb. ....	62.3 kN
Hydraulic Pressure (system) .....	2,000 psi .....	138 bar
Hydraulic Flow Rate (system).....	12 gpm .....	38 L/min
Hammer System.....		GH42
Percussion Rate .....		30 Hz
Torque .....	345 ft. lb. ....	468 N-M
Rotation Rate (bi-directional) .....		125 rpm

- Equipped with reliable GH42 Soil Probing Hammer
- Stabilization outriggers ... standard equipment.
- Performs same operations as larger probes including concrete drilling, soil and groundwater sampling, and conductivity logging
- Machine weight under 425 lb. (193 kg)
- Easily attaches to remote power unit by way of hydraulic lines with quick connects
- Removable outriggers enhance stability while probing
- Compatible with 36 in. and smaller Geoprobe® tooling

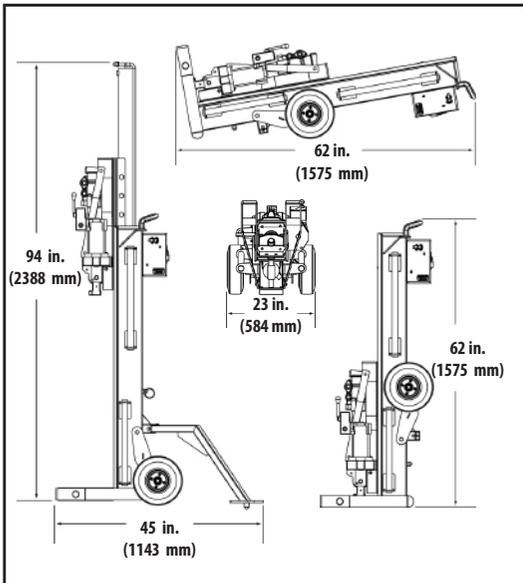
### PortaCo® Inc. Compact, Hydraulic Power Unit

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)



The 420M unit being powered by the PortaCo® hydraulic power unit. (Left). The 420M can also be powered off of other hydraulic sources including larger Geoprobe Systems® machines with auxiliary hydraulics.

(Below) The 420M comes with two detachable outriggers for added stability during probing operations.



Hydraulic Quick Connects for easy & convenient set up and tear down of the 420M probe unit.

