

Geoprobe® Model 7822DT



✓ Innovative GH64 Percussion Hammer (Geoprobe® Exclusive!)

- Advanced "Modular Percussion Power Cell Technology"
- Unique Two-Speed Bi-Directional Rotation for:
 - Surface Pavement Coring
 - Down-Hole Rock Coring
- Integrated V-Block Pull System

✓ Advanced Machine Capabilities

- Durable **Hollow Stem Auger** System with Hydraulic Swing cylinder for quick HSA set up and compact storage (two options: GA4000 to 150 rpm OR GA4100 up to 750 rpm)
- Reliable **Geotechnical Auto Drop Hammer** System
- New Advanced Control Panel w/Integrated **Self Diagnostics** System

✓ Cutting Edge Chassis Design

- New Frame Rail System (**Lets you set up the machine the way you want it!**)
- New Rear Stabilizer Blade and Drop Rack Tooling Systems
- Easy access engine compartment for simple maintenance
- Maneuvered with Wireless or Tethered Remote Systems
- Auxiliary Hydraulic Quick Connect Stations



wireless remote

Model 7822DT Specifications

Stroke	78 in.	(1,981 mm)
Weight	7,555 lb.	(3,427 kg)
Width	60 in.	(1,524 mm)
Length (folded)	133 in.	(3,378 mm)
Height (folded)	99.5 in.	(2,530 mm)
Height (unfolded)	184 in.	(4,674 mm)
Lateral Movement (side-to-side)	25 in.	(635 mm)
Oscillation	± 10 degrees	
Foot Travel	20.5 in.	(520 mm)
Extension	15.5 in.	(393 mm)
Down Force	36,000 lb.	(160 kN)
Retraction Force	48,000 lb.	(214 kN)
Hydraulic Pressure (system)	4,000 psi	(275 bar)
Hydraulic Flow Rate (system)	40 gpm	(151 Lpm)
Hammer System	GH64	
Percussion Rate	32 Hz	
Fuel Capacity (diesel)	17 gal	(64 L)
Engine (diesel)	Kubota, 4-cylinder turbo	
Engine Power (Intermittent)	58 hp	(42 Kw)
Rear Stabilizer Lift	2,000 lb.	(907 kg)
Ground Speed	0 - 5 mph	(0 - 8 kph)
Surface Load	4.6 lb/in ²	(0.32 kg/cm ²)
Winch Rating	2,350 lb.	(1,067 kg)
Winch Speed	0 - 110 fpm	(0 - 38 m/min)

GH64 Hammer Specifications

Torque, forward (high torque/low speed)450 ft. lb.	610 N-M
Torque, forward (low torque/high speed)225 ft. lb.	305 N-M
Torque, reverse (high torque/low speed)600 ft. lb.	813 N-M
Rotation speed (low speed/high torque)	0 - 250 rpm	
Rotation speed (high speed/low torque)	0 - 500 rpm	

Augerhead Specifications (GA4000 & GA4100)

Torque (high torque/low speed)	4,000 ft. lb.	(5,423 N-M)
Torque (low torque/high speed)	2,000 ft. lb.	(2,711 N-M)
Hex adapter	1-5/8 in.	(41 mm)
Rotation speed (low speed/high torque)	0 - 75 rpm	
Rotation speed (high speed/low torque)...0 - 150 rpm (GA4000)		
Rotation speed (high speed/low torque)...0 - 750 rpm (GA4100)		



tethered remote



Rod Rack with Machine Vise



2L4 Moyno® Pump



GP50DR Pressure Washer Drop Rack System



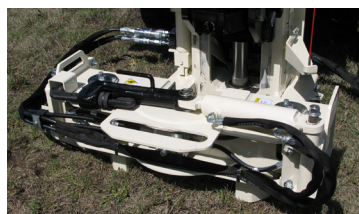
GA4000 Augerhead & DH103 Auto Drop Hammer



Redesigned Control Panel



GH64 Percussion Hammer.



Hydraulic Break Out System. Easily installed and removed with hydraulic quick connects.



Tooling configuration for this machine:

- 3.25 in. Probe Rod System
- 2.25 in. Probe Rod System
- 1.5 in. Probe Rod System
- DT325 Soil Sampling System
- DT22 Soil Sampling System
- MCS Soil Sampling System (2.25 in. x 5 ft.)
- SP16 Groundwater Sampling System
- SP22 Groundwater Sampling System
- DH103 Auto Hammer for SPT
- 4.25 in. Hollow Stem Augering System

