

Geoprobe® 7822DT

Unit Platform

Stroke	78 in.
Weight	8,000 lb
Width	64 in.
Length (folded)	133 in.
Height w/Standard Mast (folded)	100 in.
Height w/Rotating Mast (folded)	86 in.
Height, no mast (folded)	79 in.
Height, w/mast (unfolded)	187 in.
Height no mast (unfolded)	118.5 in.
Foot Travel	20.5 in.
Extension	15.5 in.
Lateral Movement (side-to-side)	± 7° from centerline
Oscillation	± 13° from vertical
Rear Stabilizer Lift	2,000 lb
Rear Blade Width	60 in.
Ground Speed	0-5 mph
Surface Load	4.6 lb/in ²
Track Width	12 in.

Percussion Hammer

Hammer System	GH63
Percussion Rate	32 Hz
Forward Torque	517 ft-lb
Reverse Torque	637 ft-lb
Rotation Speed	0-234 rpm
Power Cell Weight	90 Lb

Hydraulic Systems

Down Force	36,000 lb
Retraction Force	48,000 lb
Hydraulic Pressure (system)	4,000 psi
Hydraulic Flow Rate (system)	40 gpm

Engine

Engine (diesel)	Kubota 4-cyl turbo, Tier 4i
Engine Power (rated)	58 hp
Fuel Capacity (diesel)	17 gal

Augerhead

GH4000 Augerhead, 2-speed

High Torque	4,000 ft-lb
Low Torque	400 ft-lb
High Speed Rotation	0-150 rpm
Low Speed Rotation	0-90 rpm
Hex Adapter	1-5/8 in.

Hydraulic Winch

Primary Winch

Winch Rating	2,350 lb
Winch Speed	0-125 fpm
Cable Length	75 ft

Secondary Winch

Winch Rating	1,000 lb
Winch Speed	0-180 fpm
Cable Length	150 ft

7 in. Single Clamp Breakout

Clamp Opening	7 in.
Clamp Range	1.25-6 in.
Clamp Force	0-17,500 lbf
Breakout Torque	6,000 ft-lbf
Weight	350 lb

Geoprobe® 54DT

Unit Platform

Stroke	54 in.
Weight	3,700 lb
Width	47 in.
Length (folded)	90 in.
Length (unfolded)	114 in.
Height (folded)	62 in.
Height (unfolded)	123 in.
Height, w/mast (unfolded)	187 in.
Height no mast (unfolded)	118.5 in.
Foot Travel	39 in.
Extension	15 in.
Lateral Movement (side-to-side)	32 in.
Outrigger Extension	16 in.
Turning Radius (360°)	140 in.
Electrical System	12V DC
Track Width	9 in.

Percussion Hammer

Hammer System	GH41
Percussion Rate	33 Hz
Torque	609 ft-lb
Rotation Rate (bi-directional)	0-135 rpm

Hydraulic Systems

Down Force	18,000 lb
Retraction Force	25,000 lb
Hydraulic Pressure (system)	2,100 psi
Hydraulic Flow Rate (system)	24 gpm

Engine

Engine (diesel)	Kubota
Engine Power (rated)	29 hp
Cooling System	Liquid

