



model 7822DT



model 7822DT features

- 78 in. (1,981 mm) probe cylinder stroke
- 48,000 lb. (214 kN) pullback for today's larger sampling tools and deeper depths
- New GH64 Hammer with Modular Percussion Power Cell and integrated two-speed, bi-directional rotation
- GA4000 Augerhead offers more torque and is integrated onto a redesigned swing-out mounting system
- Totally redesigned control panel with more options, more controls, more feedback
- Designed and built CE compliant
- Auxiliary hydraulic power ports
- Rear stabilizer with Geoprobe® Drop Rack System
- Oscillation provides for easy vertical positioning of the foot on unlevel terrain
- New mast and winch configuration provides better control and faster line speed
- Powered by a four-cylinder, 58 Hp, liquid-cooled Tier 3 compliant Kubota turbo diesel engine



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) . . . . .	.92.5 in.	(2,350 mm)
Height (unfolded)	184 in.	(4,674 mm)
Lateral Movement (side-to-side)	25 in.	(635 mm)
Oscillation	± 10 degrees	
Foot Travel	20 in.	(508 mm)
Extension	15 in.	(381 mm)
Down Force	36,000 lb.	(160 kN)
Retraction Force	48,000 lb.	(214 kN)
Hydraulic Pressure (system)	2,500 psi	(172 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	58 hp	(42 Kw)
Rear Stabilizer Lift	2,000 lb.	(907 kg)
Ground Speed	0 - 5 mph	(0 - 8 kph)
Surface Load	3.9 lb/in ²	(0.27 kg/cm ²)
Winch Rating	2,350 lb.	(1,067 kg)
Winch Speed . . . . .	.0 - 126 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	

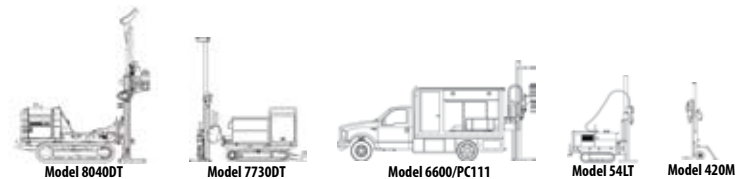
Augerhead Specifications

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 - 95 rpm	
Rotation speed (high speed/low torque)	0 - 150 rpm	



(clockwise from top)
Redesigned Control Panel;
GH64 Percussion Hammer; and
DH100 Drop Hammer, Winch,
and GA4000 Augerhead with
integrated mounting system

Geoprobe Systems



We have developed this E-specs document to allow you the ability to quickly compare the features and capabilities of various probe machines offered by Geoprobe Systems® ... the direct push innovators. Unit and tooling specifications are subject to change without notice. If you are interested in a specific Geoprobe® machine configuration or tooling system, please call us at 1-800-436-7762 for a formal, specialized quotation which includes all the details required for purchasing your Geoprobe® system.



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