



# 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, 57 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 . . . . .                     | 0 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                   | (77 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 <sup>2</sup>   | (0.27 kg/cm <sup>2</sup> ) |
| Winch Rating . . . . .                    | 2,350 lb.                | (1,067 kg)                 |
| Winch Speed . . . . .                     | .0 - 126 fpm             | (0 - 38 m/min)             |

### GH64 Hammer Specifications

|                                                  |             |         |
|--------------------------------------------------|-------------|---------|
| Torque (high torque/low speed) . . . . .         | 300 ft. lb. | 407 N·M |
| Torque (low torque/high speed) . . . . .         | 150 ft. lb. | 203 N·M |
| Rotation speed (low speed/high torque) . . . . . | 0 - 250 rpm |         |
| Rotation speed (high speed/low torque) . . . . . | 0 - 550 rpm |         |

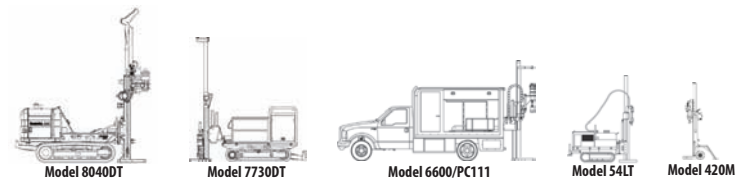
### Augerhead Specifications

|                                                  |               |             |
|--------------------------------------------------|---------------|-------------|
| 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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