

# Geoprobe® Model 7730DT

## Direct Push Machine

*A high-capacity direct push machine with a durable undercarriage, hollow stem auger capabilities, and a wide-base platform.*

The Geoprobe® Model 7730DT is equipped with many of the features Geoprobe® customers are accustomed to, and with many new advantages to offer customers flexibility in all types of field conditions.

- Power to reach deeper probing depths
- 77 in. (1956 mm) stroke
- Two-speed probe cylinder
- Equipped with the GH60 Hammer
- Ground speed up to 4.5 mph
- Two-speed augerhead
- Overhead mast and hydraulic winch
- Hydraulic liner extruder
- 50-gallon onboard water storage
- Onboard 0 to 2,000 psi pressure washer
- Convenient sample preparation area
- Wireless remote





(above) Standard feature: Hydraulic Liner Extruder



(right) Four swing-open doors allow easy access for daily maintenance to the engine and hydraulic components.

## Model 7730DT Specifications

Probe Cylinder Stroke .....	77 in. ....	1956 mm
Weight .....	9,600 lb. ....	4358 kg
Width .....	78 in. ....	1981 mm
Length (folded) .....	144 in. ....	3658 mm
Height (folded) .....	102 in. ....	2591 mm
Height (unfolded) .....	184 in. ....	4674 mm
Lateral Movement (side-to-side) .....	39 in. ....	991 mm
Foot Travel .....	39 in. ....	991 mm
Extension .....	30 in. ....	762 mm
Down Force .....	35,000 lb. ....	156 kN
Retraction Force .....	47,000 lb. ....	209 kN
Hydraulic Pressure (system) .....	2,450 psi ....	169 bar
Hydraulic Flow Rate (system) .....	40 gpm ....	151 Lpm
Hammer System .....	GH60	
Percussion Rate .....	32 Hz	
Torque (hammer motor) .....	560 ft. lb. ....	759 Nm
Rotation Rate (hammer motor) .....	0 - 240 rpm (bi-directional)	
Fuel Capacity (diesel) .....	30 gal. ....	114 L
Engine (diesel) .....	Kubota, 4-cylinder turbo	
Engine Power .....	75 hp ....	56 Kw
Ground Speed .....	0 - 4.5 mph ....	0-7.2 kph
Surface Load .....	4.2 lb/in <sup>2</sup> ....	0.3 kg/cm <sup>2</sup>
Water Transport Capacity .....	50 gal. ....	190 L
Pressure Washer Output (pressure) .....	0 - 2,000psi .....	0-138 bar
Pressure Washer Output (flow) .....	0 - 3 gpm .....	0-11 L/min
Winch Rating .....	3,000 lb. ....	1,362 kg
Winch Speed .....	0 - 75 fpm .....	0-23 m/min

## Augerhead Specifications

Torque (high torque/low speed) .....	4,000 ft. lb. ....	5423 Nm
Torque (low torque/high speed) .....	3,000 ft. lb. ....	4067 Nm
Hex adapter .....	1-5/8 in. ....	41 mm
Rotation speed (low speed/high torque) .....	0 - 105 rpm	
Rotation speed (high speed/low torque) .....	0 - 150 rpm	



(far left) Two-speed augerhead, overhead mast, hydraulic winch, and GH60 hamer.

(left) Augering with the Model 7730DT.

(below) Machine loads easily on trailer and pulled by standard pickup.

