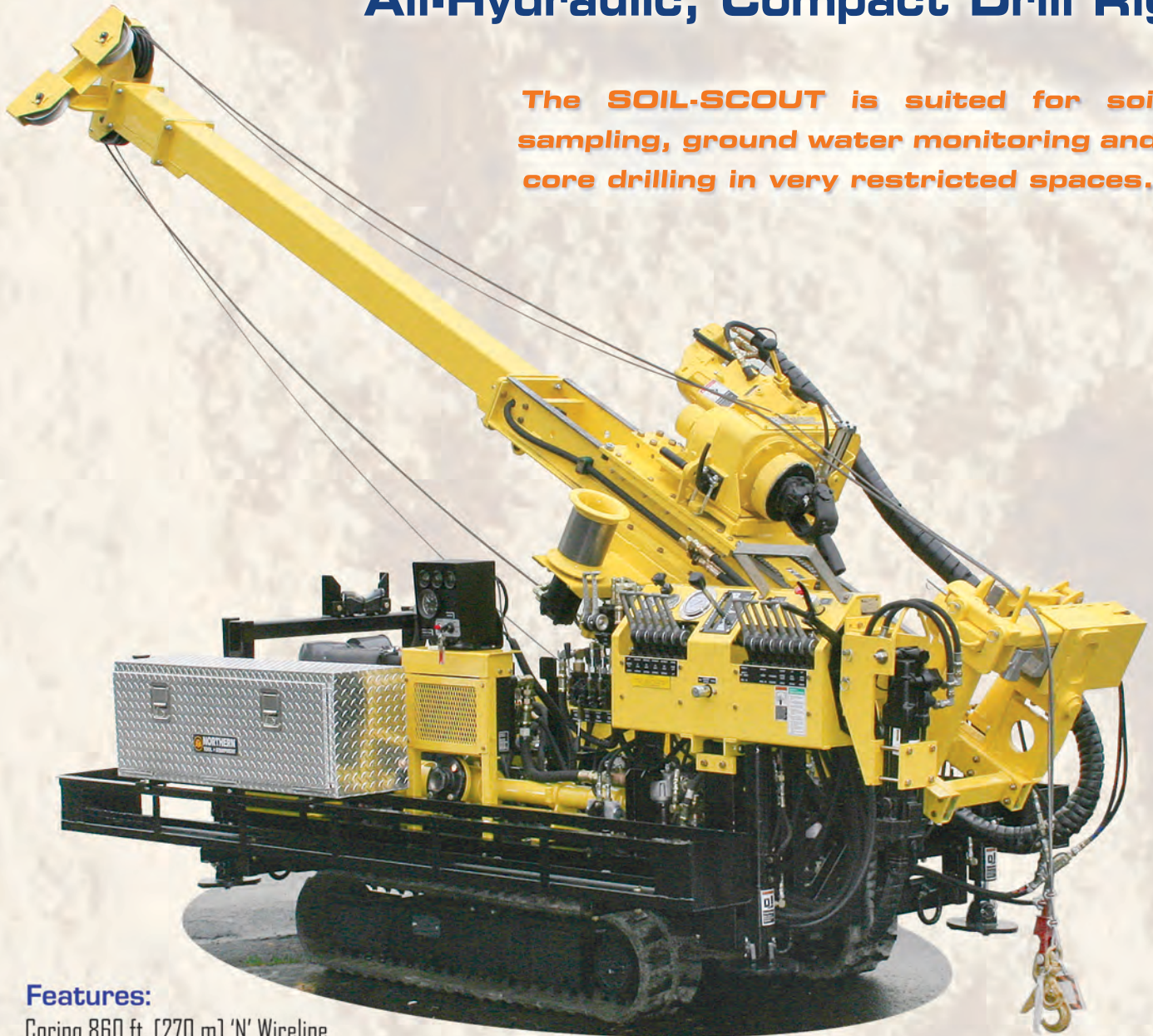


Featuring the

acker SOIL-SCOUT

All-Hydraulic, Compact Drill Rig

The SOIL-SCOUT is suited for soil sampling, ground water monitoring and core drilling in very restricted spaces.



Features:

- Coring 860 ft. [270 m] 'N' Wireline
- 4,500 lb. [2,040 kg] Hoist
- 4 Speed FWD & REV to 750 RPMs - Up to 1,200 RPM Available
- Spindle Torque 3,200 ft. lbs. [4,340 N-m]
- 7 ft. [2.13 m] Stroke (Telescoping Feed System)
- Automatic Chuck
- 11,000 lbs. [4,990 kg] Pull/Thrust
- Hydraulic Engine Tilt
- Radio Remote Control for Trimming
- Drilling Clearance Less than 8 ft. [2.44 m]
- Only 47-1/2" [1.21 m] Wide

SOIL-SCOUT STANDARD FEATURES:

| | |
|----|---|
| A. | Power Unit - 58 HP @ 2,300 RPM diesel engine with 12-volt electric start engine. Optional Electric TEFC 3-phase 460VAC induction motor @ 1,800 RPM. Other power options available. |
| B. | Feed Mechanism - The main feed consists of double acting chain drive mechanism connected to a hydraulic cylinder with 48" stroke and capable of 11,000 lbs. upward thrust and 11,000 lbs. pull down. Feed speeds are 0-72 RPM up and down. An additional auxiliary feed mechanism is attached to the main feed. This auxiliary feed cylinder has 36" of stroke and is controlled independently of the main feed. The combined feed provides 84" of total stroke. |
| C. | Drill Drive - Taken from prime mover through a variable volume over center piston pump and tandem fixed volume pump. |
| D. | Drill Head - 4-Speed. 3-5/8" open spindle. Drill head has lateral slide feature. 1st gear (0-120 RPM @ 3,028 ft./lbs. torque) 2nd gear (0-252 RPM @ 1,452 ft./lbs. torque) 3rd gear (0-456 RPM @ 788 ft./lbs. torque) 4th gear (0-750 RPM @ 458 ft./lbs. torque) |
| E. | Mast - Welded rectangular structural steel tube construction that supports and guides the rotation of feed components. Positioned with one (1) hydraulic cylinder and rigidly held in the vertical position for drilling and is lowered to the travel position for moving from hole to hole. Mast mounting allows for angle as well as 90 degree vertical drilling. Also includes mast dump up to 36". Includes crown block with sheaves. |
| F. | Auger Guide - Specify size required. |
| G. | Track Mounting - The entire drill is mounted on a structural steel frame and is self-propelled by 9" rubber crawler tracks with independent reversible hydraulic motor drive as well as full function remote radio control. Ground bearing pressure 5.2 P.S.I. without options or tooling. |
| H. | Hydraulic Oil Cooler |
| I. | Hydraulic Leveling Jacks - (4) |
| J. | Hydraulic Engine Tilt - For difficult site conditions. |
| K. | Low Clearance Sheave Block Assembly - For use with cathead operation in low ceiling situations. |

SOIL-SCOUT OPTIONAL FEATURES:

| | |
|-----|--|
| 1. | Drill Head - 8-Speed. 3-5/8" open spindle. Drill head has lateral slide feature. Low Range: 1st gear (0-100 RPM @ 3,038 ft./lbs. torque) 2nd gear (0-210 RPM @ 1,452 ft./lbs. torque) 3rd gear (0-389 RPM @ 788 ft./lbs. torque) 4th gear (0-668 RPM @ 458 ft./lbs. torque) High Range: 1st gear (0-255 RPM @ 1,196 ft./lbs. torque) 2nd gear (0-535 RPM @ 572 ft./lbs. torque) 3rd gear (0-886 RPM @ 310 ft./lbs. torque) 4th gear (0-1,200 RPM @ 180 ft./lbs. torque) |
| 2. | Cathead Hoist - Hydraulically powered cargo type hoist. |
| 3. | Main Drum Hoist - 4,500 lbs. Planetary type with 75' of 5/16" cable. |
| 4. | Quick Disconnect Adapter - U-Joint type for augers, 1-5/8" or 2" Hex. |
| 5. | Quick Disconnect Adapter - Rigid type for rod/casing (specify size.) |
| 6. | Water Pump - Hydraulically driven with infinitely variable controls from the operator's station. Moyno Type 3L6 or equal. 17 GPM @ 225 PSI. |
| 7. | Wireline Hoist - Hydraulically powered used for wireline core drilling. 750' of 3/16" cable. Lifting capacity is 800 lbs. or 2,500 lbs. auxiliary winch. |
| 8. | Front Winch - Hydraulically driven, front-mounted with 12,000 lbs. capacity. Capable of operating in conjunction with tracks. |
| 9. | Automatic Chuck - HW rod/casing capacity to 3-1/2" O.D. |
| 10. | Mast Extension - Allows for 10 ft. rod pulls. |
| 11. | Probe Hammer - Hydraulically operated (contact factory for details). |

Contact factory for additional details. A complete line of optional accessories are available.



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