

Mobile Drill Intl

HELPING YOU BUILD OUR WORLD SINCE 1947

Mechanical Drill

B58



THE ULTIMATE GEOTECHNICAL RIG

WORKHORSE FOR THE GEOTECH AND ENVIRONMENTAL INDUSTRIES

AIR/MUD ROTARY • HOLLOW STEM • CORING • SPT

B58 Drilling Features

- 638 rpm
- 17,000 ft-lb torque
- Open Spindle: 4-3/4 inch ID
- 4 Speed Powershift Transmission
- Retract Force: 35,300 lbs
- Pulldown Force: 23,300 lbs

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PERFORMANCE SPECIFICATIONS

Hydraulic Feed System

Pulldown Force: 23,300 lbs [10,569 kg]
Retract Force: 35,300 lbs [16,012 kg]
Feed Speed, Down: 0-61 ft/min [19 m/min]
Feed Speed, Retract: 0-41 ft/min [12 m/min],
Rapid: 0-80 ft/min [0-24 m/min]
Feed Stroke: 6 ft [1.83 m]

Power Unit

Diesel Engines: John Deere, 125 HP [93 kW]
Engines Include: 12V starting circuit, electronic engine module installed in the operator's control panel, 18 gallon [68 l] fuel tank with lock, lockable battery box, cold weather starting package.

Drill Head Rotary

- Total enclosed "dry box" with tapered roller bearings.
- 2 in. [50.8] heat treated alloy steel kelly drive bar.
- 4-3/4 in [121 mm] ID Hollow Spindle

High Torque Option

Maximum Rotary Speed: 638 rpm
Maximum Torque: 17,000 ft-lb [23,049 Nm]

High Speed Option

Maximum Rotary Speed: 960 rpm
Maximum Torque: 8,000 ft-lb [10,832 Nm]

Estimated Operating Capacities

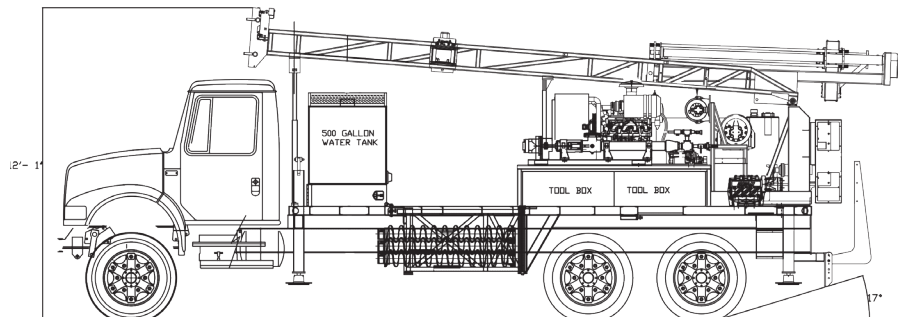
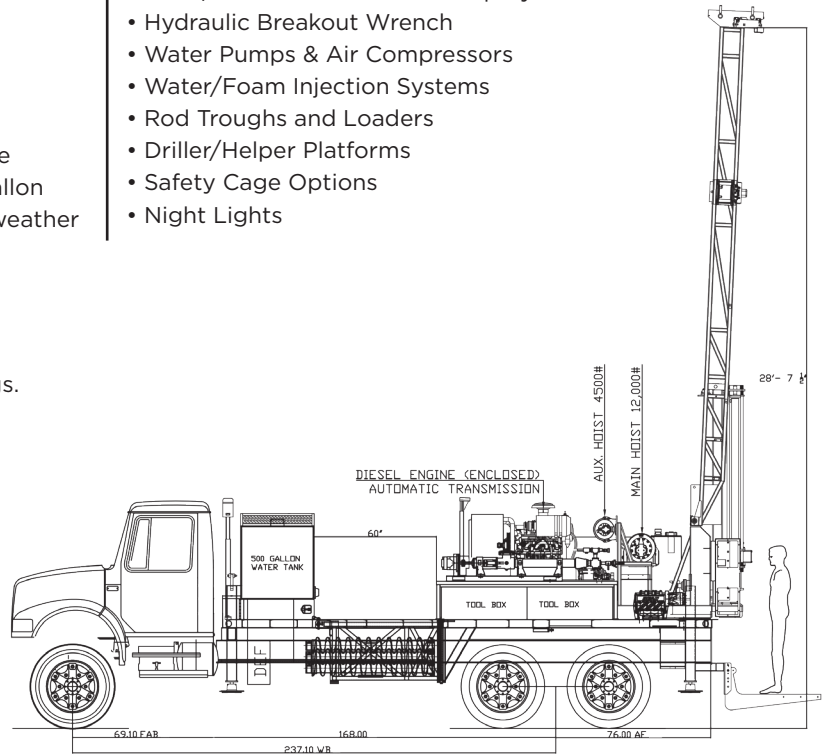
Hollow Stem Augers, 4-1/4 in [108 mm] ID: 250 ft [76 m]
Continuous Flight Augers, 6 in [152 mm] OD: 300 ft [91 m]
Rotary Drilling, NWJ/NW OD Drill Pipe: 1,500 ft [457 m]
Diamond Core Drilling, N Wireline: 1,600 ft [487 m]

Hoists

Main - Single Line Capacity: 12,000 lbs [5,443 kg]
Auxiliary - Single Line Capacity: 4,500 lbs [2,041 kg]
Safe-T-Driver/Wireline: 900 lbs [408 kg]
Wireline Hoists - A Wide Variety Available

Optional Equipment

- Mast: 25 ft [7.6 m], 28 ft [8.5 m] or 33 ft [10.1 m]
- In-Out & Sideways Slide Base
- SPT Automatic Hammer, ASTM D-1586, 140 lb [64 kg], 170 lb [77 kg], 300 lb [136 kg], 340 lb [154 kg] Slugs Available
- Custom Breakout Table Designs
- Make/Break Double Rod Clamp System
- Hydraulic Breakout Wrench
- Water Pumps & Air Compressors
- Water/Foam Injection Systems
- Rod Troughs and Loaders
- Driller/Helper Platforms
- Safety Cage Options
- Night Lights



Note: Above drilling capacities may vary according to sub-surface conditions, hoist capacity and rotary head option. Engineering specifications are theoretical, actual performance will be different, specifications are subject to change without notice.