

# Portable Water Well Drilling Rig

This portable water well drilling rig is small and lightweight. It is mainly used in shallow and medium deep diamond tungsten carbide core drilling and can also be used in engineering.



## Overview

### Portable Water Well Drilling Rig

This portable drilling rig is engineered for efficient and reliable performance in diverse terrains, making it an ideal choice for water well drilling, geological exploration, and construction projects. Its robust construction and high-performance mechanism ensure durability and ease of maintenance for long-term productivity. With versatile power options and adjustable drilling angles, it provides the flexibility needed for demanding field operations.

## Drilling Capacity

### Drilling Depth Capacity

Rod Type	Depth (m)
AQ rod	565
BQ rod	460
NQ rod	350
42 rod	530

## Performance

### Maximum Torque

**2760 Nm**

Max Torque

### Spindle Specifications

- Max Pull Force: 60 KN
- Spindle Stroke: 600 mm
- Spindle Inner Diameter: 76 mm

### Spindle Speed

- Forward: 65, 114, 180, 248, 310, 538, 849, 1172 r/min
- Reverse: 51, 242 r/min

### Drilling Angle Range

0-90°

## Power & Hydraulics

### Power Unit Options

- Electric motor: Y180L-4, 22Kw
- Diesel engine: 395K2, 19.85Kw

Oil Pump Model	SCB32/12
Hoist Max Lift Capacity	30 KN