

# Three-Boom Hydraulic Face Drilling Rig

This face drilling rig is applied to mining and tunneling in areas such as hydro-power, railway, highway, national defense, and other underground construction sites. It is hydraulically controlled with three booms and a service platform.



## Overview

### High-Efficiency Three-Boom Hydraulic Drilling Rig

This three-boom face drilling rig is engineered for demanding mining and tunneling operations, offering precision and productivity through its triple-boom configuration. Built on a robust, mobile chassis, the unit ensures exceptional stability on complex terrains while maximizing output by drilling multiple holes simultaneously. With a focus on operator safety and mechanical efficiency, it provides a comprehensive solution for large-scale rock excavation and structural drilling tasks.

## Performance

### Key Drilling Metrics

**190 bar**

Max Impact Pressure

**291 rpm**

Max Rotation Speed

**1092 Nm**

Max Rotation Torque

### Hydraulic Drill Comparison

| Specification | HC110    | HC109    |
|---------------|----------|----------|
| Hole Diameter | Æ48-Æ102 | Æ48-Æ102 |
| Impact Rate   | 72 Hz    | 47 Hz    |
| Weight        | 201 kg   | 142 kg   |

## Dimensions & Mobility

### Physical Dimensions

- Length: 16719 mm
- Width: 2926 mm
- Roof Height: 3797/4897 mm
- Ground Clearance: 380 mm

### Tramming Performance

**16 Km/h**

Max Speed

**14 deg**

Max Gradeability

## Optional Equipment

### Available Upgrades

Water mist flushing, Hole blowing kit, Water hose reel, HID working light, FOPS approved cabin