

# Hydraulic Rock Drill Jumbo with Double Boom

This hydraulic rock drill jumbo features a hydraulic rock drill designed for tunneling construction, offering deflection resistance and high drilling speed. Its lightweight alloy beam and articulated frame provide maneuverability and a longer service life.



## Overview

### High-Efficiency Double Boom Rock Drill

The TZ2 is a high-performance hydraulic rock drill jumbo designed for demanding tunneling and underground mining operations. Featuring a double-boom configuration, it offers a massive operation coverage area of up to 104m<sup>2</sup> with simultaneous drilling capabilities to maximize productivity. Its advanced hydraulic system, articulated chassis, and automated drilling functions ensure precise positioning and reduced tool exhaustion in harsh environments.

## Key Performance Metrics

### Featured Performance

**104 m<sup>2</sup>**

Max Coverage

**5140 mm**

Borehole Depth

**18500 kg**

Vehicle Mass

## Drilling Capabilities

### Drilling Specifications

Parameter	Value
Borehole Diameter	45 - 70 mm
Rock Drill Impact Power	17 / 20 kW
Impact Frequency	60 / 70 Hz
Turning Torque	325 / 762 N.m
Maximum Pushing Force	20 kN

## Operational Range

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- Maximum operation height: 9350 mm
- Maximum operation width: 12400 mm
- Drill arm lifting angle: 70° / -30°
- Drill arm swing angle: ±45°
- Propeller overturning angle: 360°

## Chassis & Drive

### Drive System

- Drive means: 4x4
- Maximum drive speed: 13 km/h
- Maximum gradability: 25%
- Minimum turning radius: 3.2 m
- Turning mode: Articulated steering
- Brake system: Hydraulic two-circuit wet-type

## Engine & Power

Engine Model	SDEC SC4H80G2A
Engine Power Output	100 kW

## Electrical System

### Electrical Parameters

Component	Specification
Total Installed Power	125 kW
External Power Supply	380V / 50Hz
Main Pump Motor Quantity	2
Main Pump Motor Power	55 kW
External Cable Length	50 m

## Advanced Features

Automation & Safety	Automatic Rod Jamming Prevention, Idle Drilling Prevention, Automatic Rod Retrieval, Parallel Holding Drill Arm, Interlocked Telescopic Structure
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## Physical Dimensions

Outline Dimensions (L*W*H)	12370 × 2100 × 2300 mm
Minimum Ground Clearance	230 mm