## Advantage:

>> Full Hydraulic Transmission

>> Fast Rotation Speed

>> Wireline Diamond Core Drilling

>> High Pressure Mud Pump

>> 0- 1400M Drilling Capacity

# JCD1000S

## CRAWLER DIAMOND CORE DRILLING RIG

## JCD1000 履带式岩心钻机

### INTRODUCTION 产品介绍

>> JCD1000 is designed for deep core drilling projects that require exceptional torque, extended stroke, and long-duration stability. Built to perform in tough geological formations, this fully hydraulic rig supports HTW, NTW, and BTW drilling up to 1400 meters in depth. With a 118kW YUCHAI turbocharged diesel engine and a high-capacity 300L/min hydraulic system operating at 28MPa, it delivers high torque output, smooth control, and reliable performance under continuous load.

>> The rig is equipped with a one-piece ground-touching mast that allows efficient angle adjustment from 45° to 90°, and features an extended 3500mm feed stroke for long-interval core runs. A powerful drilling system with torque up to 3500Nm and pull-up capacity of 28 tons ensures effective operation in high-resistance formations.

>> JCD1000 includes a BW-150 mud pump and a 1100-meter rope hoist with 1000kg lifting capacity, enabling efficient flushing and lifting in deep-hole environments.

>> Designed with mobility and field autonomy in mind, the rig offers both manual and remote control options, with a walking speed of 3.5 km/h and a climbing capability of 40°. Its reinforced structure and enhanced performance make it a preferred solution for large-scale mineral exploration and long-duration coring work in complex terrain.

### >>CHARACTERISTICS 产品特点

>> JCD1000 integrates a 118kW turbocharged engine and a 300L/min hydraulic system, offering strong, sustained output for deep and continuous drilling operations.

>> Its 3500mm feeding stroke and 28-ton lifting capacity provide excellent control and penetration in thick or complex geological layers, while supporting long core recovery runs with fewer interruptions.

>> The combination of a BW-150 mud pump and a 1100-meter rope hoist ensures stable flushing and reliable lifting during extended deep-hole drilling tasks.

>> With dual operation modes, onboard power generation, and terrain capabilities up to 40° slope, JCD1000 is built for flexibility, efficiency, and endurance in the most challenging drilling environments.

## Specification 技术参数

| Specification | Unit | JCD1000S |
|---|---|---|
| **Drilling Capacity** | | |
| Drilling Diameter | | HTW-NTW-BTW |
| Drill Depth | m | 500-1100-1400 |
| Hydraulic System | | |
| Rated Pressure | MPA | 28 |
| Rated Flow | L/min | 300 |
| Heat Dissipation | | Air Cooling |
| **Engine** | | |
| Brand | | YUCHAI |
| Type | | Turbocharger |
| Rated Speed | RPM | 2400 |
| Rated Power | kW | 118 |
| **Drilling System** | | |
| Torque | N.M. | 1000-3500 |
| Speed | RPM | 1300 |
| Tower Type | | One-piece Ground-touching |
| Feeding Stroke | mm | 3500 |
| Drilling Angle | ° | 45-90 |
| Max. Pull Up Capacity | Ton | 28 |
| Max. Push Down Capacity | Ton | 14 |
| **Rope Hoist** | | |
| Lifting Capacity | kg | 1000 |
| Speed | RPM | 100-300 |
| Wire Rope Diameter | mm | 6 |
| Rope Capacity | m | 1100 |
| **Walking System** | | |
| Operation Type | | Manual & Remote Control |
| Walking Speed | KM/H | 3.5 |
| Climbing Angle | ° | 40 |
| **Mud Pump** | | |
| Model | | BW-150 |
| Flow | L/MIN | 0-150 |
| Pressure | MPA | 0-7 |
| **Hydraulic Generator** | | |
| Type | Variable Frequency | Brushless, Maintenance-Free |
| Power | kW | 11 |
| Voltage | V | 220/ 380 |
| **Weight & Dimensions** | | |
| Transport Size | mm | 6000* 2100* 2400 |
| Weight | Ton | 8.5 |

## Main Structure 主要结构

具体参数变化以实物为准 The specific parameter changes are subject to the actual object.