Advantage:

>> Full Hydraulic Transmission

>> Fast Rotation Speed

>> Wireline Diamond Core Drilling

>> High Pressure Mud Pump

>> 0- 2500M Drilling Capacity

JCD2000S

CRAWLER DIAMOND CORE DRILLING RIG

JCD2000 履带式岩心钻机

INTRODUCTION 产品介绍

>> JCD2000 is designed for deep and high-torque core drilling applications, offering unmatched power and capacity for advanced exploration projects. Supporting HTW, NTW, and BTW drilling up to 2500 meters, it is built to handle extreme geological conditions and long-duration drilling with superior performance.

>> Powered by a 162kW YUCHAI turbocharged engine and a 460L/min hydraulic system at 28MPa, the rig delivers torque up to 6400Nm, ensuring stable and efficient drilling in high-resistance formations. The one-piece ground-touching mast features a 3800mm feed stroke and 40-ton pull-up capacity, allowing for smooth and reliable coring across varying inclinations from 45° to 90°.

>> Equipped with a dual rope hoist system—1000kg high-speed and 15,000kg heavy-duty—the rig provides strong lifting support for rods, casing, and downhole tools. A BW-320 mud pump with 320L/min flow and 10MPa pressure guarantees effective flushing even at full drilling depth. An onboard 11kW brushless generator delivers reliable power for auxiliary tools in field operations.

>> JCD2000 combines powerful drilling performance with full field mobility, offering manual and remote control, 3.5 km/h walking speed, and a 40° climbing angle. It is an ideal choice for high-end mineral exploration and deep geological survey projects.

>>CHARACTERISTICS 产品特点

>> JCD2000 is equipped with a 162kW YUCHAI engine and a 460L/min high-flow hydraulic system, delivering sustained high torque up to 6400Nm for deep and heavy-duty drilling operations.

>> Its 3800mm feed stroke and 40-ton pull-up force provide the structural power and control needed for ultra-deep coring in dense formations, with adjustable drilling angles from 45° to 90°.

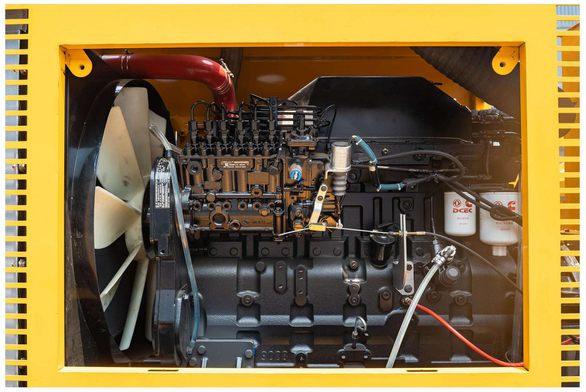
>> A dual-rope hoist system—1000kg for fast rod handling and 15,000kg for heavy lifting—enhances operational efficiency and safety during long drilling cycles.

>> The rig features a BW-320 mud pump and an 11kW maintenance-free generator, offering continuous flushing and reliable power in remote environments, while maintaining excellent terrain adaptability and mobility.

Specification 技术参数

Specification	Unit	JCD2000S
Drilling Capacity		
Drilling Diameter		HTW-NTW-BTW
Drill Depth	m	1000-2000-2500
Hydraulic System		
Rated Pressure	MPA	28
Rated Flow	L/min	460
Heat Dissipation		Air Cooling
Engine		
Brand		YUCHAI
Type		Turbocharger
Rated Speed	RPM	2400
Rated Power	kW	162
Drilling System		
Torque	N.M.	1000-6400
Speed	RPM	1100
Tower Type		One-piece Ground-touching
Feeding Stroke	mm	3800
Drilling Angle	°	45-90
Max. Pull Up Capacity	Ton	40
Max. Push Down Capacity	Ton	20
Rope Hoist		
Lifting Capacity	kg	1000/ 15000
Speed	RPM	100-400/ 0-50
Wire Rope Diameter	mm	6/ 24
Rope Capacity	m	2000/ 45
Walking System		
Operation Type		Manual & Remote Control
Walking Speed	KM/H	3.5
Climbing Angle	°	40
Mud Pump		
Model		BW-320
Flow	L/MIN	0-320
Pressure	MPA	0-10
Hydraulic Generator		
Type	Variable Frequency	Brushless, Maintenance-Free
Power	kW	11
Voltage	V	220/ 380
Weight & Dimensions		
Transport Size	mm	6293* 2210* 2762
Weight	Ton	12.7

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.