Advantage:

>> Full Hydraulic Transmission

>> Fast Rotation Speed

>> Wireline Diamond Core Drilling

>> High Pressure Mud Pu p

>> 0- 1500M Drilling Capacity

JCD1200S

CRAWLER DIAMOND CORE DRILLING RIG

JCD1200 履带式岩心钻机

INTRODUCTION 产品介绍

>> JCD1200 is designed for large-scale and ultra-deep core drilling applications where power, precision, and durability are critical. With a rated drilling depth of up to 1500 meters using HTW, NTW, or BTW rods, it is built to handle the most demanding exploration tasks. Powered by a high-performance 140kW YUCHAI turbocharged diesel engine and a 330L/min hydraulic system operating at 28MPa, the rig delivers outstanding torque output and efficient system control, ensuring stability and efficiency during long-duration drilling operations.

>> The rig features a reinforced one-piece ground-touching mast with a 3500mm feed stroke and 30-ton pull-up capacity, making it ideal for deep-hole coring in high-resistance formations. It supports multi-angle drilling from 45° to 90°, providing versatility for various geological conditions. The dual-rope hoist system includes both a high-speed 1000kg auxiliary winch and a heavy-duty 8000kg hoist, expanding its handling capacity for tools, rods, and casing.

>> JCD1200 also comes equipped with a BW-200 high-pressure mud pump (200L/min, 10MPa), ensuring effective flushing and debris removal at great depths. A maintenance-free, variable-frequency 11kW hydraulic generator is integrated.

>> Despite its power, the rig maintains excellent mobility and terrain adaptability with a 3.5 km/h travel speed and 40° climbing ability. With remote and manual operation modes, it offers flexible control in both open and confined job sites. JCD1200 is a top-tier solution for professional-grade exploration and deep mineral coring.

>>CHARACTERISTICS 产品特点

>> JCD1200 is powered by a 140kW YUCHAI engine and a 330L/min hydraulic system, delivering superior torque and continuous high-pressure output for deep and intensive drilling tasks.

>> Its 3500mm feed stroke and 30-ton lifting capacity provide excellent mechanical advantage for coring through deep, dense, and variable formations with precision and control.

>> The dual-rope hoist system—featuring both a 1000kg high-speed line and an 8000kg heavy-duty winch—ensures strong versatility for handling rods, casing, and heavy tools efficiently.

>> Equipped with a 200L/min BW-200 mud pump and onboard 11kW generator, the rig supports sustained operation in remote environments with reliable flushing and self-powered functionality.

Specification 技术参数

Specification	Unit	JCD1200S
Drilling Capacity		
Drilling Diameter		HTW-NTW-BTW
Drill Depth	m	500-1200-1500
Hydraulic System		
Rated Pressure	MPA	28
Rated Flow	L/min	330
Heat Dissipation		Air Cooling
Engine		
Brand		YUCHAI
Type		Turbocharger
Rated Speed	RPM	2400
Rated Power	kW	140
Drilling System		
Torque	N.M.	1000-3800
Speed	RPM	1300
Tower Type		One-piece Ground-touching
Feeding Stroke	mm	3500
Drilling Angle	°	45-90
Max. Pull Up Capacity	Ton	30
Max. Push Down Capacity	Ton	15
Rope Hoist		
Lifting Capacity	kg	1000/ 8000
Speed	RPM	100-300/ 0-50
Wire Rope Diameter	mm	6/ 16
Rope Capacity	m	1200/ 40
Walking System		
Operation Type		Manual & Remote Control
Walking Speed	KM/H	3.5
Climbing Angle	°	40
Mud Pump		
Model		BW-200
Flow	L/MIN	0-200
Pressure	MPA	0-10
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	9.5

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.