Advantage:

>> Full Hydraulic Transmission

>> Fast Rotation Speed

>> Wireline Diamond Core Drilling

>> High Pressure Mud Pump

>> 0- 1000M Drilling Capacity

JCD800S

CRAWLER DIAMOND CORE DRILLING RIG

JCD800 履带式岩心钻机

INTRODUCTION 产品介绍

> JCD800S is designed for high-capacity core drilling operations that require extended depth, high torque output, and reliable performance in complex geological conditions. This fully hydraulic rig is tailored for wireline coring with HTW, NTW, and BTW rods, reaching drilling depths up to 1000 meters.

>> Powered by a robust 118kW YUCHAI turbocharged diesel engine and supported by a 280L/min, 28MPa hydraulic system, the rig ensures smooth and consistent operation even in harsh field environments. Its one-piece ground-touching mast allows drilling at angles from 45° to 90°, while the extended 2400mm feed stroke and 24-ton pull-up capacity make it ideal for high-resistance formations and long drilling intervals.

>> The machine is equipped with a BW-150 high-pressure mud pump and a 900-meter rope hoist system with 800kg lifting capacity, both of which contribute to improved flushing and efficient rod handling during deep-hole operations. A variable-frequency brushless hydraulic generator (11kW, maintenance-free) is also integrated, providing stable power output for auxiliary equipment in remote locations.

> In addition to its power and depth capabilities, JCD800S features both manual and remote control modes for operational flexibility, along with a 3.5 km/h walking speed and 40° climbing ability for reliable mobility across rugged and uneven terrain. With a transport-friendly design and enhanced field performance, JCD800S is a top-tier solution for deep mineral exploration and geotechnical drilling projects.

>>CHARACTERISTICS 产品特点

> JCD800S integrates a 118kW high-output YUCHAI engine with a 280L/min hydraulic system, delivering high-pressure, consistent power that meets the demands of deeper and longer-duration drilling operations in hard formations.

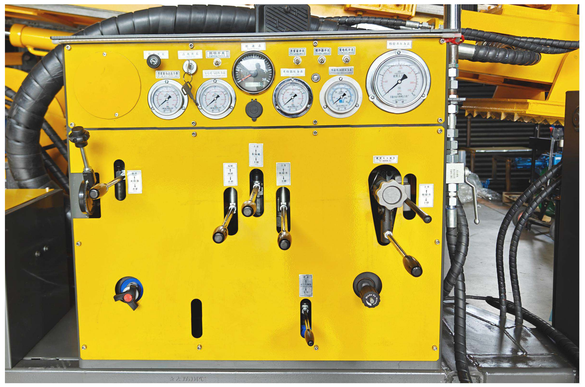
> Its extended 2400mm feed stroke and strong 24-ton pull-up force provide excellent support for challenging coring tasks, while the ground-touch mast ensures accurate multi-angle drilling from 45° to 90°.

> The BW-150 mud pump ensures steady and adjustable fluid circulation (up to 150L/min), while the 900-meter rope hoist with 800kg capacity enhances lifting efficiency during deep-hole drilling.

> To support various field work, the rig includes manual and remote operationm odes.

Specification 技术参数

Specification	Unit	JCD800S
Drilling Capacity		
Drilling Diameter		HTW-NTW-BTW
Drill Depth	m	400-900-1000
Hydraulic System		
Rated Pressure	MPA	28
Rated Flow	L/min	280
Heat Dissipation		Air Cooling
Engine		
Brand		YUCHAI
Type		Turbocharger
Rated Speed	RPM	2400
Rated Power	kW	118
Drilling System		
Torque	N.M.	450-2200
Speed	RPM	1300
Tower Type		One-piece Ground-touching
Feeding Stroke	mm	2400
Drilling Angle	°	45-90
Max. Pull Up Capacity	Ton	24
Max. Push Down Capacity	Ton	12
Rope Hoist		
Lifting Capacity	kg	800
Speed	RPM	100-300
Wire Rope Diameter	mm	6
Rope Capacity	m	900
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	4900* 2100* 2360
Weight	Ton	7

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

Main Structure 主要结构