Advantage:

>> Full Hydraulic Transmission
>> Fast Rotation Speed
>> Wireline Diamond Core Drilling
>> High Pressure Mud Pump
>> 0- 800M Drilling Capacity

JCD600S

CRAWLER DIAMOND CORE DRILLING RIG
JCD600 履带式岩心钻机

INTRODUCTION 产品介绍

>> JCD600 is a robust full-hydraulic core drilling rig designed for efficient performance in mineral exploration and geological investigation. It is optimized for wireline coring techniques using HTW, NTW, and BTW drill rods, with a maximum depth capacity of 800 meters.

>> Powered by a 92kW YUCHAI turbocharged diesel engine, the rig delivers enhanced torque and consistent performance, especially under demanding field conditions. The hydraulic system runs at a rated pressure of 20MPa and a flow rate of 220 L/min, ensuring stable operation for all drilling functions.

>> The rig features a one-piece ground-touching mast structure, supporting drilling angles from 45° to 90°, and a 1900mm feed stroke for efficient vertical or angled coring. A BW-120 mud pump and an extended 700-meter rope hoist system enable continuous operation and effective cuttings removal in soft to medium-hard formations.

>> With dual operation modes (manual and remote), JCD600 provides safety and flexibility. Its walking speed of 3.5 km/h and 40° climbing capability make it suitable for transport and operation in rough terrains. The rig ' s sturdy build, high torque output, and system reliability make it an excellent choice for medium-to-deep core drilling tasks.

>>CHARACTERISTICS 产品特点

>> JCD600 is powered by a 92kW YUCHAI turbocharged engine paired with a high-efficiency 220L/min hydraulic system. This setup delivers reliable torque output and responsive control, ensuring smooth performance during continuous and demanding drilling operations.

>> The rig is equipped with a one-piece ground-touching mast that supports drilling angles from 45° to 90°. With a 1900mm feed stroke and a 16-ton pull-up capacity, it provides excellent stability and drilling accuracy across various geological conditions.

>> To enhance efficiency in deeper hole operations, JCD600 integrates a BW-120 mud pump and a 700-meter rope hoist system. These components ensure consistent flushing and easy rod handling, reducing downtime and improving overall productivity.

>> For flexible field operation, the rig supports both manual and remote control modes. Its ability to travel at 3.5 km/h and climb slopes up to 40° makes it highly adaptable to rugged and remote job sites.

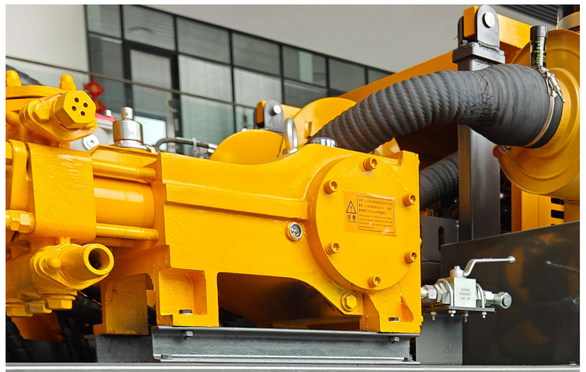
WWW.JCDRILLINGRIG.COM

Crawler Core Drilling Rig
履带式岩心钻机

Specification 技术参数

Specification	Unit	JCD600S
Drilling Capacity		
Drilling Diameter		HTW-NTW-BTW
Drill Depth	m	350-700-800
Hydraulic System		
Rated Pressure	MPA	20
Rated Flow	L/min	220
Heat Dissipation		Air Cooling
Engine		
Brand		YUCHAI
Type		Turbocharger
Rated Speed	RPM	2400
Rated Power	kW	92
Drilling System		
Torque	N.M.	450-1300
Speed	RPM	1300
Tower Type		One-piece Ground-touching
Feeding Stroke	mm	1900
Drilling Angle	°	45-90
Max. Pull Up Capacity	Ton	16
Max. Push Down Capacity	Ton	8
Rope Hoist		
Lifting Capacity	kg	600
Speed	RPM	100-300
Wire Rope Diameter	mm	6
Rope Capacity	m	700
Walking System		
Operation Type		Manual & Remote Control
Walking Speed	KM/H	3.5
Climbing Angle	°	40
Mud Pump		
Model		BW-120
Flow	L/MIN	0-120
Pressure	MPA	0-7
Weight & Dimensions		
Transport Size	mm	4200* 2050* 2300
Weight	Ton	5/ 6

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.