

Advantage:

- >> CUMMINS Diesel Engine
- >> Fast Rotation Speed
- >> Wireline Diamond Core Drilling
- >> Hydraulic Clip
- >> 0-1500M Drilling Capacity
- >> High pressure mud pump



JCD1500

CRAWLER DIAMOND CORE DRILLING RIG

JCD1500履带式岩芯钻机

INTRODUCTION产品介绍

- >> JCD1500 Full Hydraulic Portable Drilling Rig is a kind of light rig designed for geological exploration in remote area difficult to enter.
- >> It is mainly suitable for diamond drilling with wire line coring technique. The rig consists of diesel power unit, hydraulic system, control panel, mast, main winch, wireline winch, drill head, feed system, footclamp, etc.
- >> The rig is completely hydraulic driven for all its surface coring function. Fission style design makes the rig in good assemblability and disassemblability, facilitating transportation to most inaccessible areas. Robust structure plus exact control system ensures high penetration rate and outstanding reliability.
- >> JCD1500 can be operated in unconsolidated layer, and the slag can be discharged under by mud,It suitable for drilling complicated geological conditions.
- >> The main drive of rig is hydraulic and the four landing legs and drilling tower are hydraulic controlled. Transfer case and mud pump clutch system are also hydraulic operated.
- >> The rotary head,have two gear,rotation speed have different speed stepless adjustment and the rotary torque is 970-3930Nm.

>> CHARACTERISTICS产品特点

- >> Full Hydraulic and Drill Head model. The drill head rotation is realized with hydraulic pumps driven by diesel engines; this also makes the feeding hydraulic cylinder system realize its full stroke feeding in both higher and lower speed.
- >> Centralized control console is suitable for each manipulation and control. Rapid pulling and lifting reduce the auxiliary time and enhance the work efficiency.
- >> It's a hydraulic rotary drilling rig with directional circulation. It can equipped with BW250 mud pump which adopts the slurry as the washing fluid and can drill on clay, sand and rock if it is equipped with suitable drilling bit.
- >> The power of drilling rig comes from a 164KW CUMMINS engine drives the large displacement high pressure plunger pump and it is characterized by powerful dynamic and stable performance.
- >> With Good dismantlability. The rig is adopted split type in design, including power unit, hydraulic oil tank, manipulation platform and operation mechanism, i.e. the drilling section,The rig can be applied and performed in narrow space for drilling of hole at 45° - 90°



Specification 技术参数

Specification	Unit	JCD1500
Drilling Method		Wireline Diamond Core Drilling
Drill depth	m	700,1000,1500
Drilling Diameter		NQ,HQ,PQ
Drill system and operation		Hydraulic
Mobility		Steel Crawler
Mast compensation		Standard
Drive Head		
Rotation torque	Gear-1 Nm	3930-1840
	Gear-2 Nm	2060-970
Speed	Gear-1 Rpm	10-520
	Gear-2 Rpm	20-1000
Drill Tower		
Tower Height	mm	9960
Load Capacity	Kgs	30000
Max. Drill pipe length	m	6
Drilling angle	°	45-90
Feeding mode		Hydraulic Cylinder
Feeding Stroke	mm	3500
Feeding Force	KN	65
Lifting Capacity	KN	170
Main Winch		
Dia. Of wirerope	mm	20
Reel capacity	m	26
Lifting Capacity-Single rope	KN	95
Lifting Capacity-Double rope	KN	190
Lifting Speed-Single rope	M/Min	40
Lifting Speed-Double rope	M/Min	20
Wireline Coring Winch		
Dia. Of wirerope	mm	6
Reel capacity	m	1500
Lifting Capacity	kn	18
Lifting Speed	M/Min	110-200
Diesel engine		
Power	KW	164
Model		CUMMINS
Drill Pipe		
Drill pipe length	m	3-6
Drill pipe diameter		BQ,NQ,HQ,PQ
Mud pump		
Max.Flow capacity	L/Min	220
Max. working pressure	Mpa	3
Weight & Dimensions		
Weight	Kgs	11000
Size(L*W*H)	mm	6500×2290×2550


Main Structure 主要结构


Main Configuration 主要配件


Brand Name: CUMMINS
 Brand From: USA
 Applied Position: Power System



Brand Name: Rexroth
 Brand From: Germany
 Applied Position: Magnetic valve
 Flow Valve



Brand Name: SAUER DAANFOSS
 Brand From: USA
 Applied Position: Hydraulic Pump



Brand Name: KTR
 Brand From: Germany
 Applied Position: Coupling



Brand Name: EATON
 Brand From: USA
 Applied Position: Winch Hydraulic Motor



Brand Name: JEIL
 Brand From: Korea
 Applied Position: Crawler Motor



Brand Name: SAI
 Brand From: Italy
 Applied Position: Mud pump motor
 Core winch motor



Brand Name: YUCI Hydraulic
 Brand From: China
 Applied Position: Hydraulic Cylinder



Brand Name: LEEMIN
 Brand From: China
 Applied Position: Filter system



Brand Name: Changjiang Hydraulic
 Brand From: China
 Applied Position: Directional control valve

Core Drilling Products
岩心钻进相关产品



Core Drilling Bits



Reaming Shells



Core Barrels



Overshot



Drill Pipe&Casing



Sub



Water Swivel



Hoisting Plug



Circle Wrench



Foot Clamp



Recovery Tools



Core Trays



Rope Winches



Mud Agitator



Instrument



In Project Site
钻孔现场



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