

200-1600m Hole Range
 BQ,NQ,HQ Hole Size
 855-2400Nm Torque
 60-135KN Lifting force



JUD Series

UNDERGROUND CORE DRILLING RIG

坑道岩芯钻机

INTRODUCTION 产品介绍

>> JUD Series full hydraulic underground top drive drill rig is mainly applied in the fields of coal, geology, metallurgy and engineering. It is used for drilling large dia. gas suction hole in mines, gallery as well as coal mine, water injection hole, and big dia. horizontal hole. It can meet the big dia. roller drilling, hard tungsten-carbide drilling and percussive-rotary drilling.

>> JUD Series Underground Core Drilling is designed especially for underground 360° drilling work, capable of diamond core drilling and other advanced drilling works. The whole structure can be divided into control panel, rig body and power unit, among which, the rig body includes rotatable base, sliding mast, head rotation and feed system, wire line winch and foot clamp, and the power unit includes electromotor, electric control box and hydraulic system. Also special mud pump can be equipped to meet clients' special needs

>> JUD Series Underground Core Drilling Rig is all hydraulic driven, which endows the features of easy operation, precise control,

>> CHARACTERISTICS 产品特点

>> It is separate in structure, small in size, light in weight, flexible in movement and convenient in operation. Rig structure is a block structure design. It assures good disassembly, rapid and convenient mount and transport, as well as remote control and operation.

>> The hydraulic pump is driven by explosion-proof electric motor through operating system, then the hydraulic pump enforces hydraulic motor to make drill head rotate, and at the same time, the movement of drill head is realized by oil cylinder & chain double speed mechanism.

>> Hydraulic chuck can satisfy the function of shackles and power-off protection.

>> The sliding and extending & retracting function of the mast makes it convenient for the bottom of mast to touches the ground or platform, thus the drill rig will be more stable.

>> The swinging arm and mast can do luffing movement, which satisfy the request of multi-angle drilling.

>> The range of spindle rotating speed is wide and the torque is large.

Characteristics

产品特点

- >> Hydraulic component (hydraulic motor, hydraulic pump, quick oil adapter etc) adopted world-famous brand goods, so it has stable running performance, reliable product quality and long service life.
- >> It has a wide range of rotary speed, and is suitable for various drilling methods such as carbide bit drilling and diamond bit drilling etc.
- >> It has a complete range of functions, great drilling capability, wide range of application, rapid drilling speed and high drilling efficiency, easy to operate as well as powerful ability of solving accidents.
- >> A large number of options are available to match the most varied drilling conditions. The JUD Series have proven itself in a number of field applications to be the most reliable and economic drill for the general drilling contractor or mine, in both surface and underground applications.

Specification

技术参数

Specification	Unit	JUD200	JUD350	JUD500	JUD700	
Drilling Depth(m)	BQ	400	600	900	1600	
	NQ	300	480	750	1200	
	HQ	200	350	500	700	
Rated power of electricity motor	KW	45	55	75	55+55	
Rated speed of motor	RPM	1480	1480	1480	1480	
Rotation speed	RPM	0-1200	0-1200	0-1200	0-1200	
Rotary torque	NM	855	1000	1600	2400	
Lifting force	KN	60	90	90	135	
Feeding force	KN	30	90	90	135	
Feed stroke	mm	1800	1800	1800	1800	
Drilling angle		0-180	0-180	0-180	0-180	
System pressure	Mpa	25	28	32	32	
Rope Dia of wire line winch	mm	6	6	6	6	
Single wire hoisting capacity of winch	KN	8	12	12	15	
Dimension	Main machine	mm	3456*1290*1620	4220*1020*1920	4220*1020*1920	4000*1040*1840
	Power Unit	mm	2530*1000*1550	2125*1140*1290	2125*1140*1290	2125*1140*1290
	Control Cabinet	mm	870*450*1045	960*550*1050	9860*550*1050	960*550*1050
Weight	Main machine	kgs	1450	2200	2200	2900
	Power Unit	kgs	1140	1100	1200	1100+1100
	Control Cabinet	kgs	130	130	130	130



Main Structure 主要结构





Testing
检测



WWW.JCDRILL.COM

Underground Core Drilling Rig
坑道岩芯钻机



Contact Us
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WECHAT



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