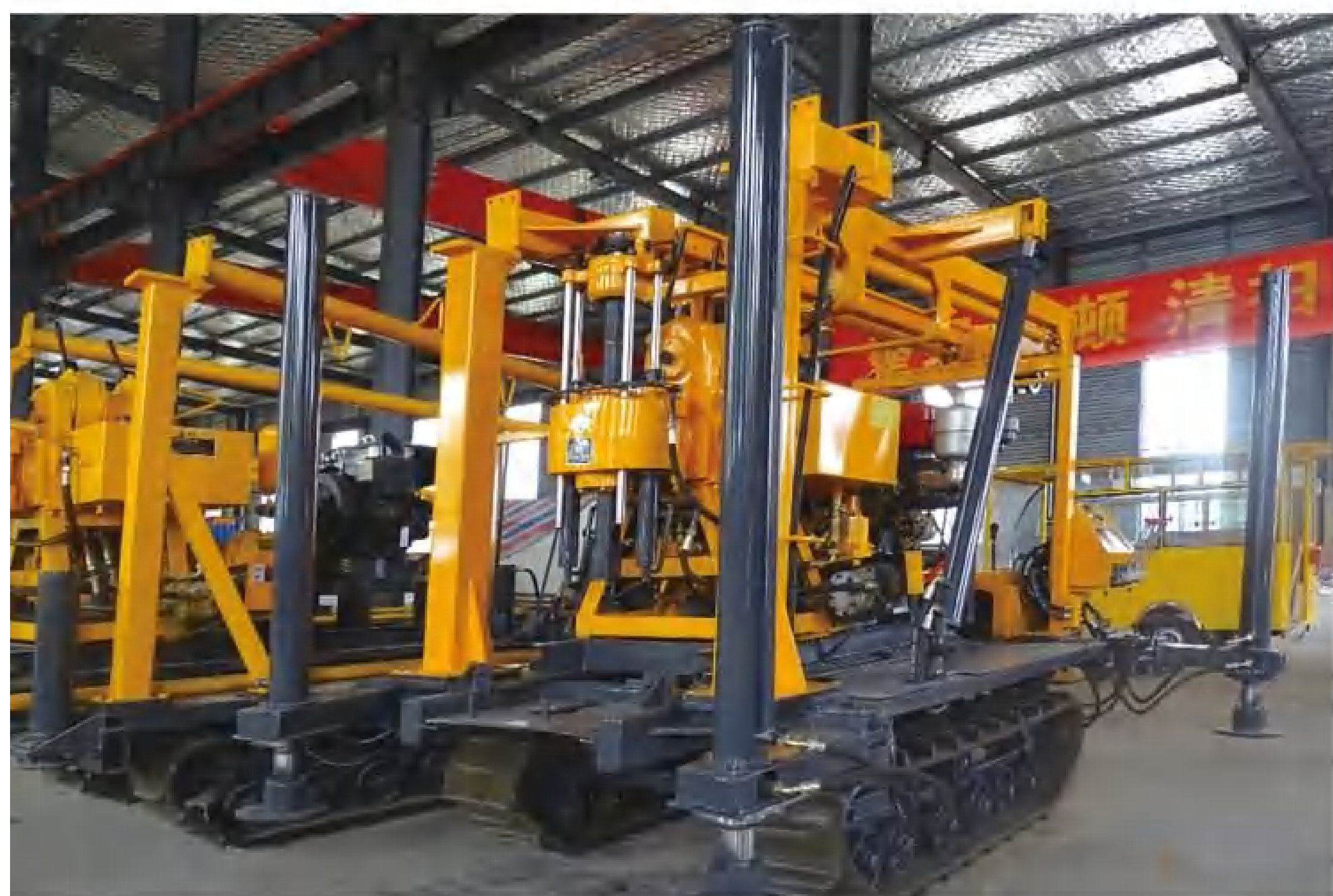




YIKUANG

DRILLING TOOLS

LET THE WORLD FALL IN LOVE WITH CHINESE DRILLING TOOLS

DRILLING RIG

BROCHURE

MANUFACTURERS FROM CHINA
SUPPORT TO CUSTOMIZE YOUR SATISFIED MACHINES

山东益矿钻采科技有限公司

SHANDONG YIKUANG DRILLING TECHNOLOGY CO.,LTD.

COMPANY PROFILE 简介

山东益矿钻采科技有限公司注册资金 5000 万元，厂区占地面积10万m²。是一家集地质钻探、煤矿矿山开采、工程锚固、瓦斯与粉尘灾害治理等领域的技术开发与矿用钻机、水井钻机、水井钻机等装备的生产制造、销售和技术服务为一体的高新技术企业。拥有六大系列50多个型号的产品。

通过与用户的广泛接触,积累了大量的实用数据,自主开发了新一代YK系列水井钻机、勘探绳索取芯钻机及高、中、低风压工程钻机。该系列产品具有配置规范、结构合理、钻速快、经济耐用、故障率低等特点。一经推出就获得了市场的认可,广泛应用于矿山工程建设、民用钻井、地热钻井等领域。

2018年“聊城市工矿安全防护钻具工程技术研究中心”落户于此，先后被评为“国家高新技术企业”、“省级专精特新企业”“科技型中小企业”和“山东省瞪羚企业”聊城市“一企一技术”研发中心。

公司先后与多家科研机构和装备企业建立长期战略合作关系。公司实力雄厚，有一支由教授、副教授、博士、硕士等组成的四十多人的高素质科技人才队伍。并依托多所矿业大学和战略合作单位的人才技术优势，针对煤炭、矿山、建筑工程等行业的需求，开发生产了多项具有自主知识产权的钻探产品与装备。获得发明专利4项、实用新型专利50项、外观设计专利5项等多项国家专利并通过ISO9001-2015质量体系认证。

拥有多条摩擦焊接、螺旋焊接、装备加工等全自动生产线，采用国内外的生产加工设备和检测设备，为产品的优良品质保驾护航。

Shandong Yikuang Drilling and Mining Technology Co., Ltd. has a registered capital of 50 million yuan and a factory area of 100,000 square meters. It is a high-tech enterprise integrating technology development in the fields of geological drilling, coal mining, engineering anchoring, gas and dust disaster control, and the production, manufacturing, sales and technical services of mining drilling rigs, water well drilling rigs and other equipment. It has six series of products with more than 50 models.

Through extensive contact with users, we have accumulated a large amount of practical data and independently developed a new generation of YK series water well drilling rigs, exploration wireline coring drilling rigs and high, medium and low wind pressure engineering drilling rigs. This series of products has the characteristics of standardized configuration, reasonable structure, fast drilling speed, economy and durability, and low failure rate. Once launched, it gained market recognition and is widely used in mining engineering construction, civil drilling, geothermal drilling and other fields.

In 2018, the "Liaocheng Industrial and Mining Safety Protection Drill Tool Engineering Technology Research Center" was settled here, and has been successively rated as "National High-tech Enterprise", "Provincial Specialized New Enterprise", "Technology-based Small and Medium-sized Enterprises" and "Shandong Province Gazelle Enterprise" Liaocheng "One Enterprise, One Technology" R&D Center.

The company has established long-term strategic cooperative relationships with a number of scientific research institutions and equipment companies. The company is strong and has a high-quality scientific and technological talent team of more than 40 people, including professors, associate professors, doctors, and masters. Relying on the talent and technology advantages of many mining universities and strategic cooperation units, it has developed and produced a number of drilling products and equipment with independent intellectual property rights in response to the needs of coal, mining, construction engineering and other industries. It has obtained 4 invention patents, 50 utility model patents, 5 design patents and many other national patents and passed ISO9001-2015 quality system certification.

It has a number of fully automatic production lines for friction welding, spiral welding, equipment processing, etc., and uses domestic and foreign production and processing equipment and testing equipment to protect the excellent quality of products.



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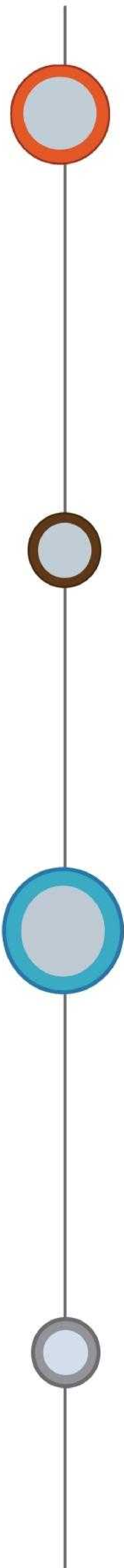
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YK120 产品特点 FEATURES

- 1,性能稳定-整机体积小，移动方便，便于小断面隧道运输和安装。
- 2,结构合理-本实用新型具有结构新颖合理、钻进速度快、取芯样品直径大的优点。可定制钻孔深度和孔径、轮式或履带式移动方式。
- 3,省时省力-工作性能稳定，工作效率高，省时省力，降低人工成本。
- 4,用途广泛-用于家庭及工厂生活水井打井、农田灌溉井、水空调安装、建筑工地打桩等。

1. Stable performance

The whole machine is small in size and easy to move, which is convenient for transportation and installation in small-section tunnels.

2. Reasonable structure

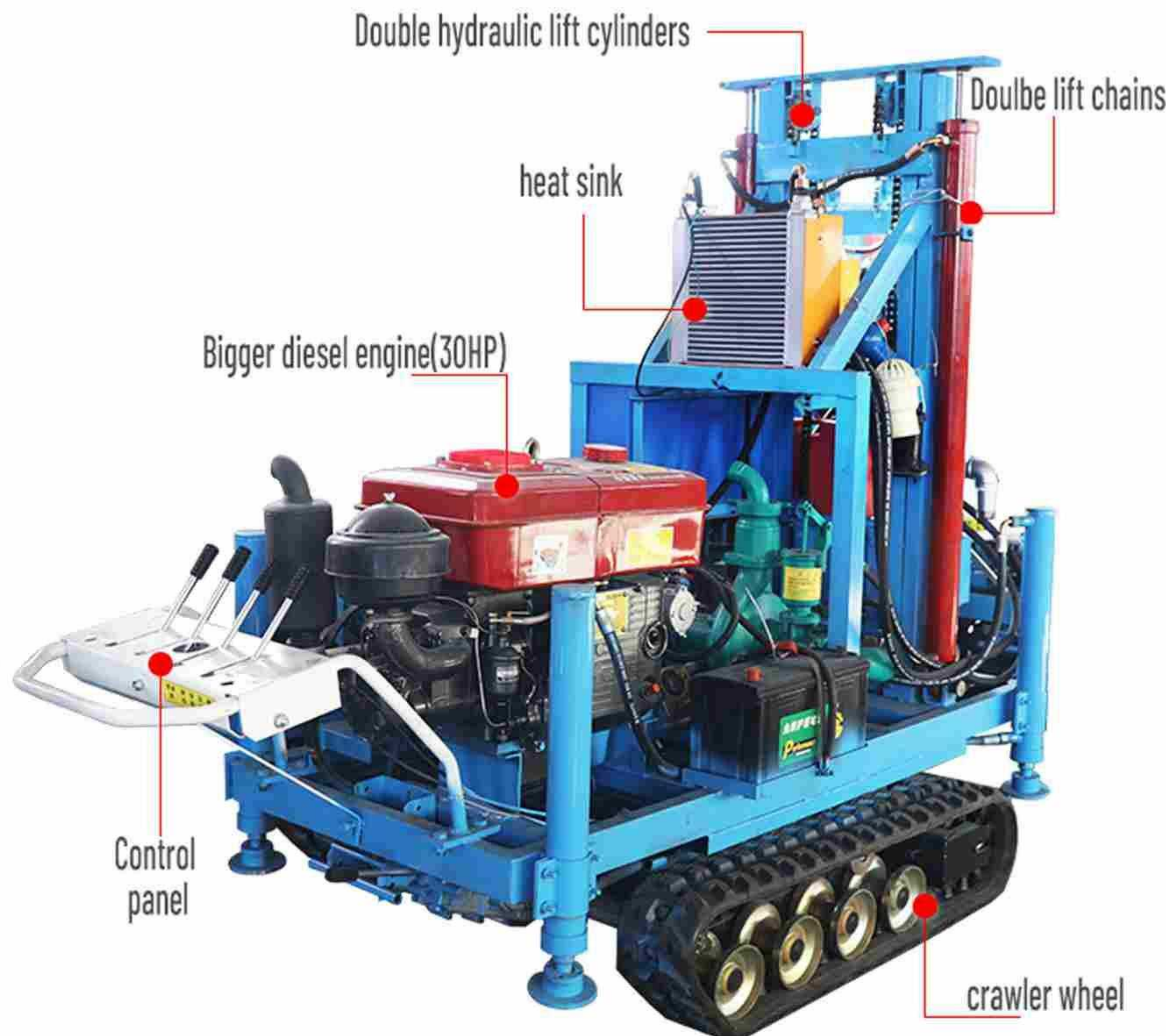
The utility model has the advantages of novel and reasonable structure, fast drilling speed and large diameter of coring samples. Customizable drilling depth and bore diameter, available in both wheel-type and crawler-type mobility options.

3. Save time and effort

Stable working performance, high working efficiency, saving time and effort, and reducing labor costs.

4. Wide range of uses

It is used in household and factory domestic water well drilling, farmland irrigation wells, installation of water air conditioners, construction site piling, etc.



技术参数 Parameter

重量 The weight(kg)	630
钻孔孔径 The hole diameter(mm)	75-200
钻孔深度 Drill depth(m)	120
钻杆直径 Drill pipe diameter(mm)	φ51
钻杆长度 Drill pipe length(m)	1.5
提升力 Rig lifting force(T)	5
扭矩 Swing torque(N·m)	1000
尺寸 Dimensions(mm)	1850*900*1750

*参数如有变更，恕不另行通知。
Specifications are subject to change without notice.

YKMA-150/YKT-300/YKX-300

产品特点 FEATURES

- 1,多次变速，解决了空气钻井泥浆泵转速低的问题，提高了泥浆泵无芯钻井效率。
- 2,并联变速箱设计，独立油泵，动力充足，分配合理，独特的液压系统设计，维护简单，成本低。
- 3,配备快速分配阀，基本实现水、气双重功能。

Our advantage

1. Multiple speed changes solve the problem of low speed of air drilling mud pump and improve the efficiency of coreless drilling of mud pump.
2. Parallel gearbox design, independent oil pump, sufficient power, reasonable distribution, unique hydraulic system design, simple maintenance and low cost.
3. Equipped with a quick distribution valve to basically realize dual functions of water and air.



技术参数 Parameter

钻机参数 Model	YKMA-150	YKT-300	YKX-300
重量 The weight(kg)	1950	2700	2700
钻孔孔径 The hole diameter(mm)	75-300	75-300	NQ/HQ/PQ
钻孔深度 Drill depth(m)	160	300	300
钻杆直径 Drill pipe diameter(mm)	60/76/89	76/89/102	NQ/HQ/PQ
钻杆长度 Drill pipe length(m)	2	3	3
提升力 Rig lifting force(T)	8	15	15
扭矩 Swing torque(N·m)	4500	4500-5500	2500
尺寸 Dimensions(mm)	3200*1600*1400	3200*1700*2000	3200*1700*2000

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YKX180

技术参数 Parameter

重量 The weight(T)	4.5	钻杆直径 Drill pipe diameter(mm)	φ76 φ89
钻孔孔径 The hole diameter(mm)	140-254	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0
钻孔深度 Drill depth(m)	180	提升力 Rig lifting force(T)	12
一次性推进长度 One-time advance length(m)	3.3	行驶速度 Walking speed(km/h)	2.5
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	55
工作气压 Working air pressure(MPA)	1.7-2.5	扭矩 Swing torque(N·m)	3200-4600
耗气量 Air consumption(m³/min)	17-31	尺寸 Dimensions(mm)	3950*1630*2250
回转力 Swing torque(N·m)	10-35	发动机品牌 The engine brand	Quanchai

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.

产品特点

FEATURES

- 1.配备55KW全柴油涡轮增压发动机，动力强劲。
- 2.专利设计双油缸提升复合臂架。
- 3.每台钻机主臂上均设有挡板，保护油缸。
- 4.钻机底盘：专业挖掘机底盘，坚固耐用，承重大，链条板宽。
- 5.钻井平台使用橡胶履带，灵活性高，对坚硬路面的破坏最小。
- 6.并联传动设计，独立油泵，动力充足，分配合理，液压系统设计独特，维护简单，成本低。
- 7.卡车装卸方便，操作系统简单，易于操作。
- 8.可添加双系统：空气动力系统配空压机与泥浆泵配套的泥浆泵系统。



- 1.Equipped with a 55 kW full-diesel turbocharged engine, delivering strong and reliable power.
- 2.Patented dual-cylinder lifting composite boom design for enhanced lifting stability and durability.
- 3.Protective plates are installed on the main boom of each rig to safeguard the cylinders.
- 4.Drilling rig chassis: built with a professional excavator-grade chassis featuring high strength, heavy load capacity, and wide track shoes.
- 5.The drilling platform uses rubber crawler tracks, offering high flexibility and minimizing damage to hard road surfaces.
- 6.Parallel transmission design with independent hydraulic pumps, ensuring sufficient power, reasonable distribution, and a uniquely engineered hydraulic system that is easy to maintain and cost-efficient.
- 7.Convenient truck loading and unloading, combined with a simple, user-friendly operating system.
- 8.Optional dual working systems:Air power system paired with an air compressor, Mud circulation system paired with a mud pump.



YKX200

技术参数 Parameter

重量 The weight(T)	5	钻杆直径 Drill pipe diameter(mm)	φ76 φ89
钻孔孔径 The hole diameter(mm)	140-254	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0
钻孔深度 Drill depth(m)	200	提升力 Rig lifting force(T)	13
一次性推进长度 One-time advance length(m)	3.3	行驶速度 Walking speed(km/h)	2.5
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	65
工作气压 Working air pressure(MPA)	1.7-2.5	扭矩 Swing torque(N·m)	3400-4700
耗气量 Air consumption(m³/min)	17-31	尺寸 Dimensions(mm)	3950*1750*2250
回转力 Swing torque(N·m)	10-35	发动机品牌 The engine brand	Quanchai

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产品特点

FEATURES

- 1,液压传动动力头可实现无级调速,可满足不同的钻孔工艺要求;
- 2,无需使用方钻杆,可节省大量提升钻具时的辅助时间,从而提高纯钻时间;
- 3,通过液压控制,可以实现钻具的液压进给和减压钻进;
- 4,可在升降钻具的同时旋转,方便处理井内塌陷,减少井内事故;

1. The power head of hydraulic transmission can achieve stepless speed regulation, which can meet different drilling process requirements;
2. There is no need to use a square drill rod, which can save a lot of auxiliary time when lifting the drilling tool, thereby improving the pure drilling time;
3. Through hydraulic control, it is possible to achieve hydraulic pressured feeding and pressure reducing drilling of drilling tools;
4. It can rotate while lifting and lowering drilling tools, facilitating the handling of collapse in the hole and reducing accidents inside the hole;



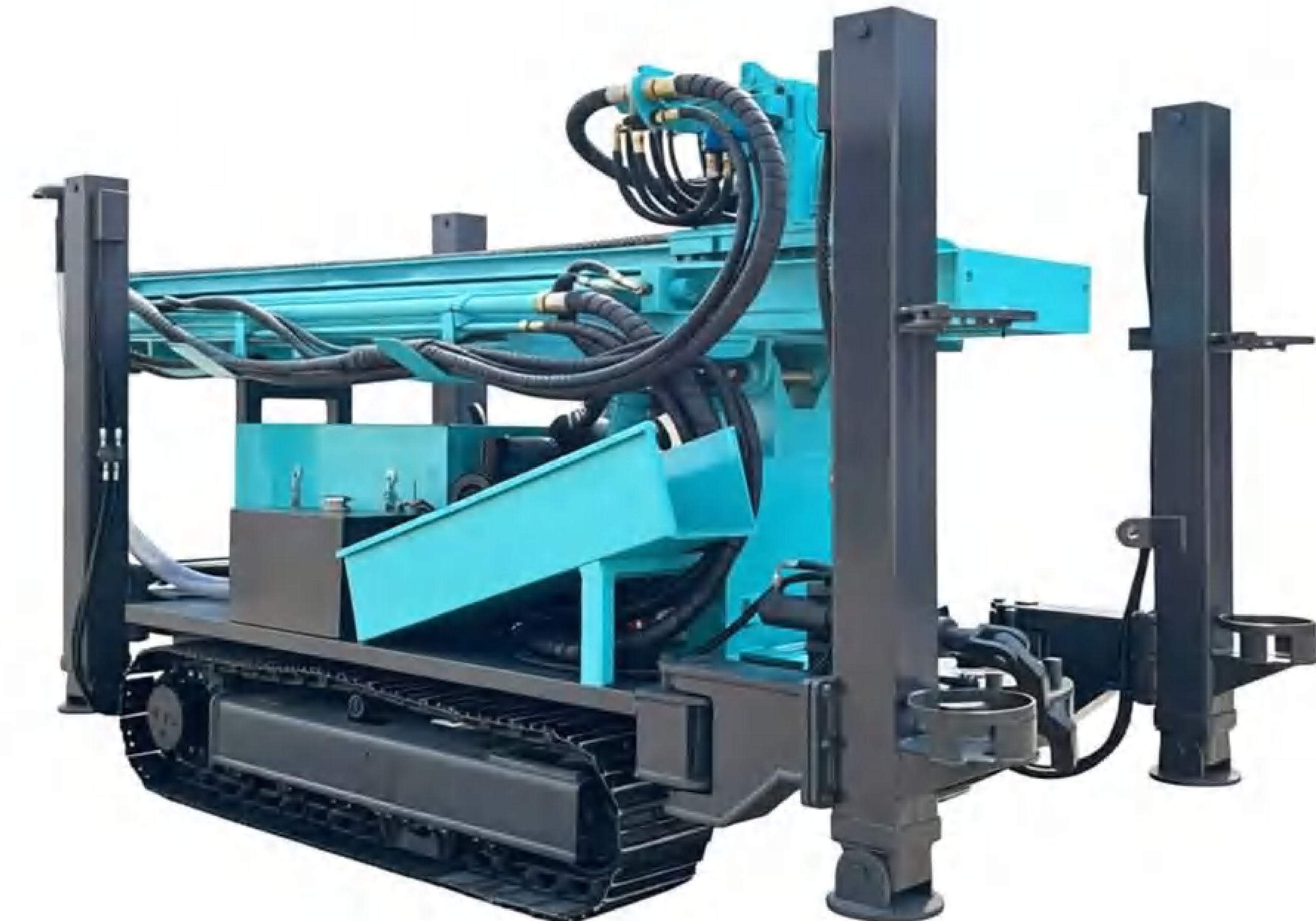
产品特点
FEATURES

- YK系列全液压水井钻机
1. 配备潍柴品牌涡轮增压发动机，动力强劲。
 2. 配有提升机、发电电焊机、6.6米塔架。
 3. 钻机底盘：专业挖掘机底盘，经久耐用，承重能力强，链板宽，对坚硬路面损伤小。
 4. 并联变速箱设计，独立油泵，动力充足，分配合理，液压系统设计独特，维护简单，成本低。
 5. 配备快速分配阀，基本实现水、气双重功能。

YK series fully hydraulic water well drilling rig

1. Equipped with Weichai brand turbocharged engine with strong power.
2. Equipped with hoist, power generation and welding machine, and 6.6-metertower.
3. Drilling rig chassis: Professional excavator chassis, durable, strong load-bearing capacity, wide chain plate, little damage to hard road surfaces.
4. Parallel gearbox design, independent oil pump, sufficient power, reasonable distribution, unique hydraulic system design, simple maintenance and low cost.
5. Equipped with a quick distribution valve to basically realize dual functions of water and air.

YK350



YK450



YK280

技术参数 Parameter

钻机参数 Model	YK-280	YK-350	YK-450
重量 The weight(T)	7.2	8.5	9.4
钻杆直径 Drill pipe diameter(mm)	φ76 φ89 φ102	φ89 φ102	φ89 φ102
钻孔孔径 The hole diameter(mm)	140-325	140-325	140-350
钻杆长度 Drill pipe length(m)	1.5/2.0/3.0/6.0	1.5/2.0/3.0/6.0	1.5/2.0/3.0/6.0
钻孔深度 Drill depth(m)	300	350	450
提升力 Rig lifting force(T)	18	22	25
一次性推进长度 One-time advance length(m)	6.6	6.6	6.6
快速上升速度 Rapid rise speed(m/min)	22	18	20
行驶速度 Walking speed(km/h)	2.5	2.5	2.5
快进速度 Fast feedling speed(m/min)	40	33	40
爬坡能力 Gradeability(Max.)	30	30	30
装车宽度 Width of loading(m)	2.7	2.7	2.8
发动机功率 Equipped capacitor(kw)	85	92	103
卷扬机提升力 Hoisting force of winch(T)	2	2	2
工作气压 Working air pressure(MPA)	1.7-3.0	1.7-3.4	1.7-3.5
回转扭矩 Swing torque(N·m)	5700-7500	6200-8500	7000-9500
耗气量 Air consumption(m³/min)	17-36	17-36	17-36
尺寸 Dimensions(mm)	5900*1850*2360	6000*2000*2550	5950*2100*2600
回转速度 Swing speed(rpm)	40-70	66-135	50-135
进尺效率 The penetration efficiency(m/h)	15-35	15-35	15-35
高支腿行程 High leg stroke(m)	1.4	1.4	1.6
发动机品牌 The engine brand	玉柴 Yuchai	玉柴 Yuchai	潍柴 Weichai

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.

产品特点
FEATURES

YK系列全液压水井钻机

- 1.高效、多功能的地下水井钻井设备，可用于水井、农业灌溉井、地热井等各种井的钻井。特别适用于山区、岩层取水工程。
- 2.可钻不同地层（岩层、泥层、砂层）的孔，最大孔径可达400mm。
- 3.配备大型底盘、强化油泵、泡沫泵、绞车、发电电焊机、梯架、6.6米塔架
- 4.可添加双系统：空气动力系统配空压机/泥浆泵配套的泥浆泵系统。
- 5.配备康明斯发动机。

YK series fully hydraulic water well drilling rig

- 1.A highly efficient and multi-functional downhole water well drilling rig, suitable for drilling water wells, agricultural irrigation wells, geothermal wells, and various other types of boreholes. It is especially ideal for mountainous areas and rock-layer water extraction projects.
- 2.Capable of drilling through various geological formations, including rock, clay, and sand layers, with a maximum borehole diameter of up to 400 mm.
- 3.Equipped with a heavy-duty chassis, reinforced hydraulic pump, foam pump, winch, generator-welder, ladder frame, and a 6.6-meter mast.
- 4.Supports optional dual working systems:Air power system paired with an air compressor、Mud circulation system paired with a mud pump.
- 5.Powered by a Cummins engine.



YK700



YK800



YK500



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技术参数 Parameter

钻机参数 Model	YK-500	YK-700	YK-800
重量 The weight(T)	11.5	13	13
钻杆直径 Drill pipe diameter(mm)	φ102 φ108 φ114	φ102 φ108 φ 114	φ102 φ108 φ 114 φ 117
钻孔直径 The hole diameter(mm)	140-350	140-400	140-400
钻杆长度 Drill pipe length(m)	1.5/2.0/3.0/6.0	1.5/2.0/3.0/6.0	1.5/2.0/3.0/6.0
钻孔深度 Drill depth(m)	500	700	800
提升力 Rig lifting force(T)	26	22	36
一次性推进长度 One-time advance length(m)	6.6	6.6	6.6
快速上升速度 Rapid rise speed(m/min)	20	20	20
行驶速度 Walking speed(km/h)	2.5	2.5	2.5
快进速度 Fast feedilng speed(m/min)	40	40	40
爬坡能力 Gradeability(Max.)	30	30	30
装车宽度 Width of loading(m)	2.85	2.95	2.95
发动机功率 Equipped capacitor(kw)	118	153	194
卷扬机提升力 Hoisting force of winch(T)	2	2	2
工作气压 Working air pressure(MPA)	1.7-3.5	1.7-3.5	1.7-3.5
回转扭矩 Swing torque(N·m)	7500-10000	8850-13150	9000-14000
耗气量 Air consumption(m³/min)	17-42	17-42	17-42
尺寸 Dimensions(mm)	6200*2200*2650	6300*2300*2650	6300*2300*2950
回转速度 Swing speed(rpm)	40-130	45-140	45-140
进尺效率 The penetration efficiency(m/h)	15-35	15-35	15-35
高支腿行程 High leg stroke(m)	1.7	1.7	1.7
发动机品牌 The engine brand	玉柴 Yuchai	康明斯 Cummins	康明斯 Cummins

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YKT200 Tractor Mounted Water Well Drilling Rig

技术参数 Parameter

型号 Model	YKT-200
整机重量 Overall Weight	2500 kg
钻孔直径 Drilling Diameter	130-254 mm
钻孔深度 Drilling Depth	220 m
钻杆直径 Diameter of Drill Rod	Φ76 mm / Φ89 mm
单次最大钻进长度 Maximum Drilling Length Per Time	2 m
工作气压 Working Air Pressure	1.7-2.5 MPa
发动机功率 Engine Power	50 HP
提升力 Lift Force	12 T
转速 Rotary Speed	60-140 rpm/min
扭矩 Rotary Torque	4500-5500 N·m
外形尺寸 Dimension	3700 mm*1850 mm*2300 mm

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.

拖拉机式水井钻机是一种集高效、灵活与经济性于一体的轻型钻探设备，专为农村供水、农田灌溉、小型工程及地质勘探等场景设计。该钻机以拖拉机为底盘，利用其行走和动力系统，实现快速转场与低成本作业。采用液压驱动系统，支持冲击、回转或气动潜孔锤等多种钻进工艺，钻凿深度可定制，孔径范围广，适应砂土、黏土、卵砾石乃至中等硬度岩层等多种地层。整机结构紧凑、操作简便，单人即可完成大部分作业，是中小型水井施工的理想选择。

A tractor-mounted water well drilling rig is a lightweight drilling device that combines efficiency, flexibility, and cost-effectiveness. It is specially designed for rural water supply, farmland irrigation, small-scale construction projects, and geological exploration. Using the tractor as its chassis, the rig leverages the tractor's mobility and power system to achieve rapid transfer and low operating costs.

Equipped with a hydraulic drive system, it supports multiple drilling methods such as percussion, rotary drilling, and pneumatic DTH hammer drilling. The drilling depth can be customized, and the wide hole diameter range allows it to handle various formations including sand, clay, gravel layers, and medium-hard rock.

With a compact structure and easy operation, most tasks can be completed by a single operator, making it an ideal choice for small and medium-sized water well drilling projects.

YKDRILL 拖拉机式水井钻机专为农村供水和农业灌溉项目而设计，可根据需求定制配置以满足 100 至 500 米的钻井深度。钻机设计可靠，操作简便，可配备泥浆钻井、空气钻井或潜孔钻 (DTH) 系统，确保在全球各种地质条件下都能可靠运行。

YKDRILL tractor-mounted water well drilling rigs are specifically designed for rural water supply and agricultural irrigation projects, with customizable configurations available to meet drilling depths from 100 to 500 meters. Engineered for reliability and ease of operation, YKDRILL rigs can be equipped with mud drilling, air drilling, or DTH drilling systems, ensuring reliable performance across a wide range of geological conditions worldwide.





YKT200 Trailer type fully hydraulic water well drilling rig

YKT-200 拖车式全液压水井钻机是一款轻便高效的多功能钻机，结构先进、操作便捷、配置标准化，具备快速钻进、辅助时间短、故障率低等特点。适用于水井、监测井及地源热泵空调孔等多种钻井工程。该钻机采用压风潜孔锤作业，可搭配泥浆泵、泡沫泵及多种钻具使用，在山地及岩层取水作业中表现尤为出色。

YKT-200 trailer-type fully hydraulic water well drilling rig is a lightweight and efficient rig with advanced structure and easy operation. It offers fast drilling speed, low failure rate, and strong adaptability. Suitable for water wells, monitoring wells, and geothermal boreholes, it supports air, mud, and foam drilling methods. The rig performs reliably in mountainous areas and hard rock formations.

技术参数 Parameter

重量 The weight(T)	5.2	钻杆直径 Drill pipe diameter(mm)	φ76 φ89
钻孔孔径 The hole diameter(mm)	140-254	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0
钻孔深度 Drill depth(m)	200	提升力 Rig lifting force(T)	12
一次性推进长度 One-time advance length(m)	3.6	行驶速度 Walking speed(m/min)	60
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	58
工作气压 Working air pressure(MPA)	1.7-2.5	扭矩 Swing torque(N·m)	3200-4600
耗气量 Air consumption(m³/min)	17-31	尺寸 Dimensions(mm)	4800*2000*2600
回转力 Swing torque(N·m)	10-35	发动机品牌 The engine brand	YuChai

备注Notes:普通轮式无自行走能力，需要加装自行走套件

Ordinary wheeled models do not have self-propelled capabilities and require a self-propelled kit.

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.



YKT230 Trailer type fully hydraulic water well drilling rig

技术参数 Parameter

重量 The weight(T)	5.5	钻杆直径 Drill pipe diameter(mm)	φ76 φ89
钻孔孔径 The hole diameter(mm)	140-254	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0
钻孔深度 Drill depth(m)	230	提升力 Rig lifting force(T)	13
一次性推进长度 One-time advance length(m)	3.6	行驶速度 Walking speed(m/min)	60
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	58
工作气压 Working air pressure(MPA)	1.7-2.5	扭矩 Swing torque(N·m)	3400-4700
耗气量 Air consumption(m³/min)	17-31	尺寸 Dimensions(mm)	4800*2000*2600
回转力 Swing torque(N·m)	45-70	发动机品牌 The engine brand	YuChai

备注Notes:普通轮式无自行走能力，需要加装自行走套件

Ordinary wheeled models do not have self-propelled capabilities and require a self-propelled kit.

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.

产品特点

FEATURES

1. 结构先进，操作简便

Advanced Structure & Easy Operation

拖车式全液压设计，结构紧凑、配置标准化，操作简单、辅助时间短、故障率低。

The trailer-type fully hydraulic design offers a compact structure, standardized configuration, easy operation, short auxiliary time, and low failure rate.

2. 多工法兼容，适应性强

Multiple Drilling Methods & Strong Versatility

支持压风潜孔锤钻进，可选配泥浆泵并兼容多种钻具，适合水井、监测井、地源热泵等工程。

Supports compressed-air DTH drilling and can be equipped with mud pumps, and various drilling tools, suitable for water wells, monitoring wells, and geothermal boreholes.

3. 岩层表现出色，山地钻井利器

Excellent Rock Drilling Performance

在 f6-20 硬度岩层中钻进速度快，尤其适合山区取水、硬岩钻进等复杂地质条件。

Delivers high drilling performance in f6-20 hard rock formations, making it ideal for water extraction in mountainous areas and hard-rock drilling projects.



YKT260 Trailer-Type Fully Hydraulic Self-Propelled Water Well Drilling Rig

技术参数 Parameter			
重量 The weight(T)	6	钻杆直径 Drill pipe diameter(mm)	φ76 φ89
钻孔孔径 The hole diameter(mm)	140-254	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0
钻孔深度 Drill depth(m)	230	提升力 Rig lifting force(T)	15
一次性推进长度 One-time advance length(m)	3.6	行驶速度 Walking speed(km/h)	Traction range 0-40 Self-propelled 2.5
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	76
工作气压 Working air pressure(MPA)	1.7-2.5	扭矩 Swing torque(N·m)	3500-4800
耗气量 Air consumption(m³/min)	17-31	尺寸 Dimensions(mm)	4800*1800*2250
回转力 Swing torque(N·m)	45-70	发动机品牌 The engine brand	Quanchai

产品特点 该钻机具备自行走功能，可在工地快速移动。
FEATURES This trailer-type drilling rig is self-propelled, allowing quick on-site mobility.



YKT300 Trailer-Type Fully Hydraulic Self-Propelled Water Well Drilling Rig

技术参数 Parameter			
重量 The weight(T)	7.2	钻杆直径 Drill pipe diameter(mm)	φ76 φ89
钻孔孔径 The hole diameter(mm)	140-325	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0
钻孔深度 Drill depth(m)	300	提升力 Rig lifting force(T)	18
一次性推进长度 One-time advance length(m)	3.6	行驶速度 Walking speed(km/h)	Traction range 0-40 Self-propelled 2.5
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	85
工作气压 Working air pressure(MPA)	1.7-2.5	扭矩 Swing torque(N·m)	5800-7700
耗气量 Air consumption(m³/min)	17-31	尺寸 Dimensions(mm)	6000*2000*2550
回转力 Swing torque(N·m)	45-70	发动机品牌 The engine brand	YuChai

产品特点 该钻机具备自行走功能，可在工地快速移动。
FEATURES This trailer-type drilling rig is self-propelled, allowing quick on-site mobility.





YKT350

Trailer type fully hvdraulic water well drilling ria

技术参数

Parameter

重量 The weight(T)	8.4	钻杆直径 Drill pipe diameter(mm)	Φ89 Φ102
钻孔孔径 The hole diameter(mm)	140-325	钻杆长度 Drill pipe length(m)	1.5/2.0/3.0/6.0
钻孔深度 Drill depth(m)	350	提升力 Rig lifting force(T)	22
一次性推进长度 One-time advance length(m)	6.6	行驶速度 Walking speed(km/h)	Traction range 0-80 Self-propelled 2.5
爬坡能力 Gradeability(Max.)	30	发动机功率 Equipped capacitor(kw)	Yuchai 91
工作气压 Working air pressure(MPA)	1.7-3.4	扭矩 Swing torque(N·m)	6200-8500
耗气量 Air consumption(m³/min)	17-36	尺寸 Dimensions(mm)	6200*2000*2550

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.



产品特点

FEATURES

1. 强劲动力，高效钻进 / Powerful Performance & High Drilling Efficiency

配备玉柴91 kW发动机，回转扭矩6200-8500 N·m，进尺效率15-35 m/h，适应多种岩层施工。
Equipped with a Yuchai 91 kW engine, 6200-8500 N·m swing torque, and 15-35 m/h penetration efficiency, suitable for various rock formations.
2. 广泛钻孔范围 / Wide Drilling Range

支持钻杆直径Φ89-Φ102 mm，钻孔直径140-325 mm，钻孔深度可达350 m，满足多种工程需求。
Supports drill pipe diameters of Φ89-Φ102 mm, hole diameters of 140-325 mm, and drilling depth up to 350 m, meeting diverse project requirements.
3. 高效提升与快速作业 / Strong Lifting & Fast Operation

整机提升力22 T，卷扬机提升力2 T，快升速度20 m/min，快进速度40 m/min，大幅提高施工效率。
Provides 22 T rig lifting force and 2 T winch hoisting force, with 20 m/min rapid rise and 40 m/min fast feeding speed, greatly improving operational efficiency.
4. 自行走与拖车双模式 / Self-Propelled & Trailer Mobility

自行走速度2.5 km/h，最大爬坡能力30°；拖车可达80 km/h，便于转场和工地移动。
Self-propelled speed up to 2.5 km/h with a 30° climbing ability; trailer mode reaches 80 km/h for easy site transfer.
5. 高性能压风系统 / Advanced Air System

工作气压1.7-3.4 MPa，耗气量17-36 m³/min，适用于中高风压潜孔锤，高效破岩。
Operating air pressure of 1.7-3.4 MPa and air consumption of 17-36 m³/min, suitable for medium and high air pressure DTH hammers for efficient rock drilling.





产品特点
FEATURES

YKD系列全液压勘探钻机配备重载钢制履带，结构坚固耐用，有效延长整机使用寿命，并在复杂工况下为钻机提供可靠保护。
该钻机可满足直钻与斜钻作业需求，适应多种地质条件，作业稳定可靠。
在地质取心与勘探取芯作业中，钻机具备取芯直径大、钻进阻力小、取芯速度快、工作效率高等优势，确保高质量取芯效果。

YKD series fully hydraulic exploration drilling rig is equipped with heavy-duty steel crawler tracks, providing excellent durability, extended service life, and reliable protection under demanding working conditions.
The rig is designed to meet both vertical and inclined drilling requirements, ensuring stable and reliable performance in various geological formations.
For geological and exploration coring, it features a large coring diameter, low drilling resistance, and high coring speed, delivering high efficiency and superior core recovery quality.

Main Components

钻机动力头
Drill Power Head

钻机塔臂（桅杆）
Drill Tower Arm (Mast)

钻机操作台
Operator Control Console

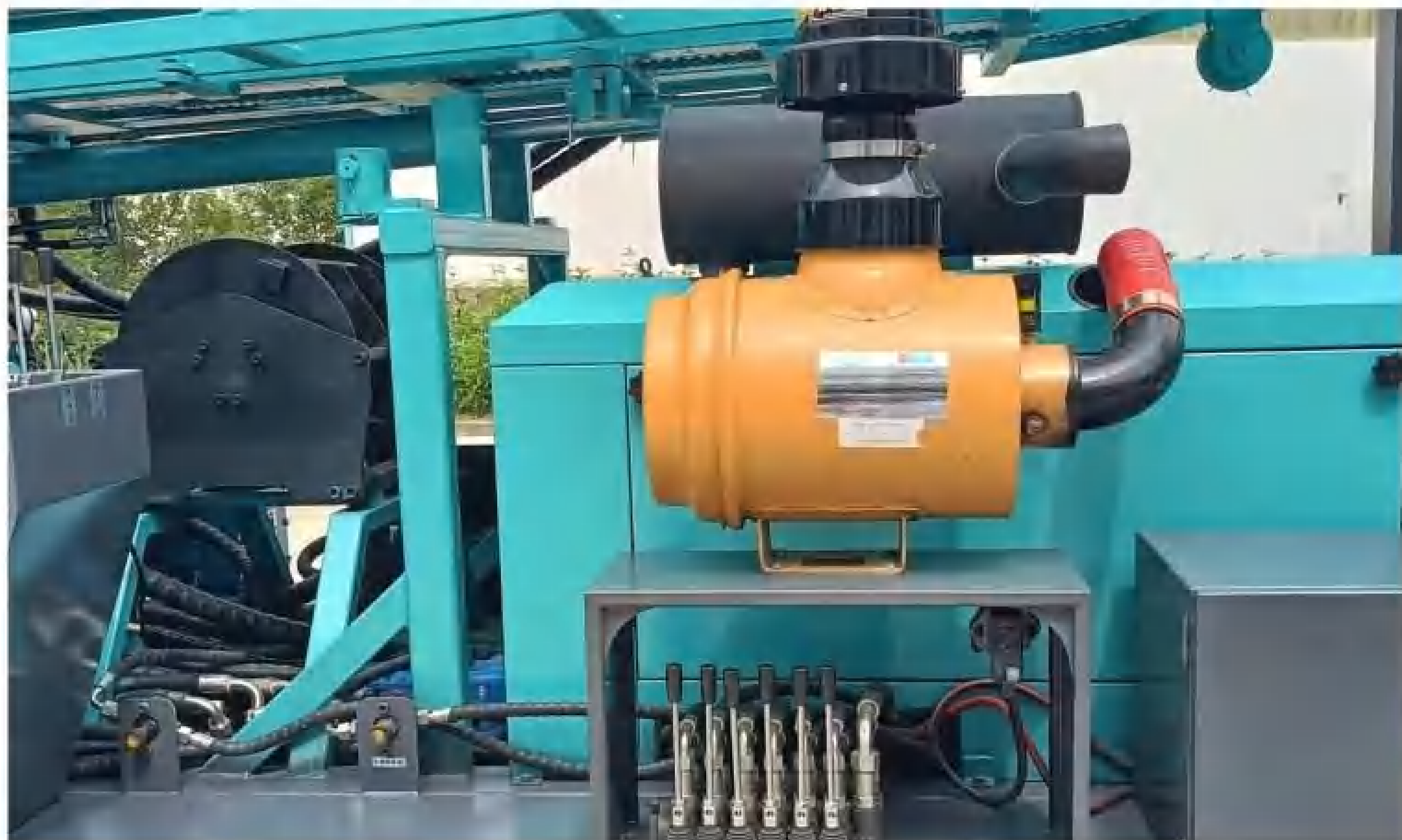
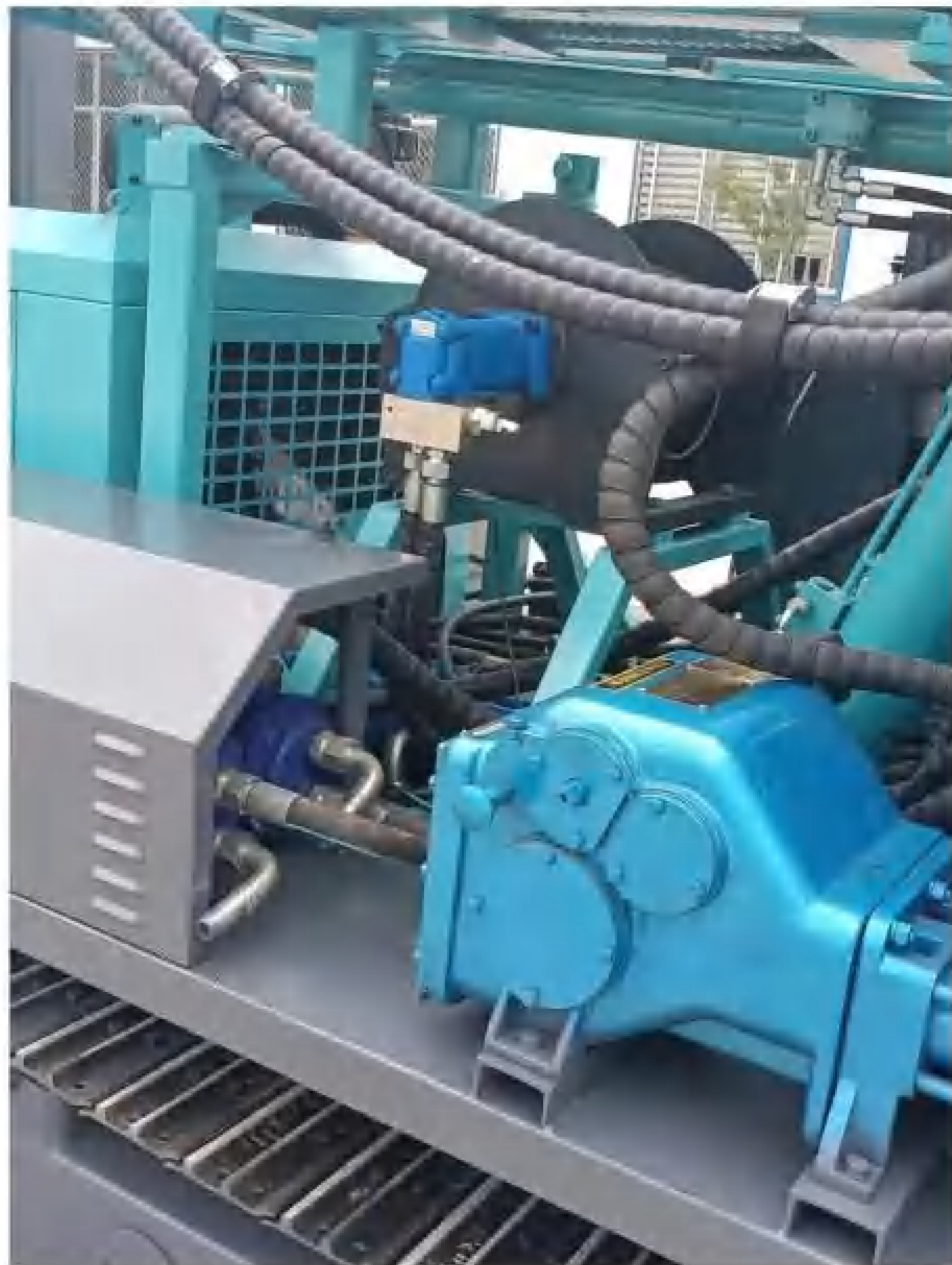
钢制履带
Heavy-duty Steel Crawler Tracks

钢制支腿
Steel Stabilizing Legs (Outriggers)

泥浆泵
Mud Pump

发动机防护外壳
Engine Protective Casing

支撑油缸
Hydraulic Support Cylinders



技术参数 Parameter

钻机参数 Model	YKD400	YKD500	YKD600	YKD800	YKD1000
重量 The weight(T)	5.3	5.4	6.7	8.1	9.2
钻孔直径 The hole diameter(mm)	63-110	63-110	63-110	63-110	63-110
钻孔深度 Drill depth(m)	400	500	600	800	1000
钻孔角度 Drilling angle(°)	45°-90°	45°-90°	45°-90°	45°-90°	45°-90°
发动机功率 Equipped capacitor(kw)	75	85	96	118	132
泥浆泵型号 Mud pump model	BW90-3	BW90-3	BW90-3	BW90-3	BW160-10
爬坡角度 Gradeability(°)	30	30	30	30	30
行驶速度 Walking speed(kw)	2.5	2.5	2.5	2.5	2.5
钻杆长度 Drill pipe length(m)	1.5	1.5	1.5	1.5	1.5
提升力 Lifting force(T)	10	10	10	12	14
回转速度 Slewing speed(rpm)	0-1200	0-1200	0-1200	0-1200	0-1200
尺寸 Overall dimension(mm)	4500*1950*2150	4500*1950*2150	4600*2000*2350	5100*2200*2350	5150*2100*2150



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反循环钻机 >>>

Reverse Circulation Drilling Rig

- RC反循环钻机为履带底盘装载、全液压驱动、动力头式钻机，是适用于垂直或倾斜钻进的钻孔设备，用柴油发动机—液压油泵组为动力装置，由液压马达实现钻机回转、推进、提升、行走及液压油缸摆角定位等辅助动作，可实现单人操作。该系列钻机主要针对50-1200米深的RC反循环钻进工法进行设计。
- RC reverse circulation drilling rig is a crawler chassis loading, full hydraulic drive, power head drilling rig, is suitable for vertical or inclined drilling equipment, with diesel engine - hydraulic oil pump group as the power device, by the hydraulic motor to achieve the rig rotation, propulsion, lifting, walking and hydraulic cylinder swing angle positioning and other auxiliary actions, can achieve single operation. This series of drilling rigs is mainly designed for 50-1200 meters deep RC reverse circulation drilling method.

反循环钻机施工原理 >>>

Reverse circulation drilling rig construction principle

- 反循环钻探或RC钻探是一种使用双壁钻杆的钻探方法，该钻杆由外钻杆和内管组成。这些中空的内管使岩屑可以连续、稳定地流回地面。与绳索取芯方法不同，RC钻获得的是岩屑样本，而不是岩心。钻探原理是通过气动潜孔锤驱动钨钢钻头击碎岩层，该钻头用于破碎坚硬的岩石。当压缩空气吹出时，压力偏移会产生反向循环，从而使岩屑向上进入内管。当岩屑到达地面时，通过软管连接到旋流器进行样品缩分，然后样品从底部开口掉入样品袋中。这些样品袋标有收集样品的位置和深度，可以直接运送到化验室进行分析。

RC钻孔可取出稳定可靠且无污染的样品，岩屑通过钻杆内管进入旋流器，不会接触其他区域，从而避免了交叉污染，从而获得高质量、可靠的样品。样品易于分类和追踪，有确切的位置和深度，能够准确的定位矿化位置。每天可以钻进100-300m，可以更快地获得钻探结果，花费的时间更少，RC钻钻进过程中不需要水，适合缺水地区钻探。

- Reverse Circulation drilling or RC drilling is a drilling method that uses a double-walled drill pipe consisting of an outer drill pipe and an inner pipe. These hollow inner tubes allow the cuttings to flow continuously and steadily back to the surface. Unlike the wireline coring method, the RC drill obtains a cuttings sample rather than a core. The drilling principle is to break the rock layer by drilling a tungsten steel drill bit with a pneumatic drill hammer, which is used to break up hard rock. When compressed air is blown out, the pressure shift creates a reverse circulation, allowing cuttings to move up into the inner tube. When the cuttings reach the surface, the sample is shrunk through a hose connected to the cyclone, and then the sample is dropped into the sample bag through the bottom opening. These sample bags are marked with the location and depth at which samples are collected and can be transported directly to the laboratory for analysis.

RC drilling produces stable, reliable, and pollution-free samples. Cuttings enter the cyclone through the inner pipe of the drill pipe and do not touch other areas, thus avoiding cross-contamination and obtaining high-quality, reliable samples. Samples are easy to classify and track, have exact location and depth, and can accurately locate the mineralized location. It can drill 100-150m per day, can get drilling results faster, spend less time, and does not require water during drilling, suitable for water shortage areas.

反循环钻机采用了国外最新的RC钻采技术，凿岩粉尘可通过集尘器有效收集，避免了环境污染。也可以通过旋风分离器收集排渣，可用于地质勘探部门取样分析工作。它是地质勘探钻孔及其它深孔的首选设备。

技术参数 Parameter			
整机重量 (T) Weight	5.5	钻井深度 (m) Drilling Depth	200
钻孔直径 (mm) Drill Diameter	105-300	提升力 (T) Lifting force	10
快升速度 (m/min) Fast Lifting Speeding	30	快进速度 Fast Feeding Speed	60
行走速度 (km/h) Moving Speed	3	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	6000/3000	回转速度 (r/min) Rotary Speed	70/140
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.2-3.5
推荐耗气量 (m³/min) Air consumption	16-55	外形尺寸 (m) Dimension	6.32*1.7*2.39
发动机 Engine	云内 (Yunnai)	主机功率 (kw) Host power	85kw
卷扬机提升力 (T) Winch lifting force	1.1	支腿行程 (m) Leg Stroke	1.6
钻杆长度 (m) Drill pipe length	3	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	76/89
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进，潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高压风系列 Medium and high air pressure series		

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.

RC300 反循环钻机 >>>

Reverse Circulation Drilling Rig



<<< RC200 反循环钻机

Reverse Circulation Drilling Rig



技术参数 Parameter			
整机重量 (T) Weight	8	钻井深度 (m) Drilling Depth	300
钻孔直径 (mm) Drill Diameter	105-325	提升力 (T) Lifting force	12
快升速度 (m/min) Fast Lifting Speeding	30	快进速度 Fast Feeding Speed	60
行走速度 (km/h) Moving Speed	2.5	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	6500/3250	回转速度 (r/min) Rotary Speed	70/140
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.2-3.5
推荐耗气量 (m³/min) Air consumption	16-55	外形尺寸 (m) Dimension	6.64*2.25*2.67
发动机 Engine	玉柴 (Yuchai)	主机功率 (kw) Host power	91kw
卷扬机提升力 (T) Winch lifting force	1.1	支腿行程 (m) Leg Stroke	1.6
钻杆长度 (m) Drill pipe length	3	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	76/89/102
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进，潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高压风系列 Medium and high air pressure series		

*参数如有变更，恕不另行通知。Specifications are subject to change without notice.



技术参数 Parameter

整机重量 (T) Weight	11	钻井深度 (m) Drilling Depth	400
钻孔直径 (mm) Drill Diameter	105-305	提升力 (T) Lifting force	22
快升速度 (m/min) Fast Lifting Speeding	20	快进速度 Fast Feeding Speed	32
行走速度 (km/h) Moving Speed	2.5	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	8000/4000	回转速度 (r/min) Rotary Speed	75/150
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.2-3.5
推荐耗气量 (m³/min) Air consumption	16-55	外形尺寸 (m) Dimension	7*1.85*2.86
发动机 Engine	玉柴 Yuchai	主机功率 (kw) Host power	92kw
卷扬机提升力 (T) Winch lifting force	1.5	支腿行程 (m) Leg Stroke	1.6
钻杆长度 (m) Drill pipe length	3	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	89/102
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进, 潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高风压系列 Medium and high air pressure series		

*参数如有变更, 恕不另行通知。Specifications are subject to change without notice.

RC400反循环钻机
Reverse Circulation
Drilling Rig



技术参数 Parameter

整机重量 (T) Weight	12.5	钻井深度 (m) Drilling Depth	600
钻孔直径 (mm) Drill Diameter	105-450	提升力 (T) Lifting force	29
快升速度 (m/min) Fast Lifting Speeding	29	快进速度 Fast Feeding Speed	33
行走速度 (km/h) Moving Speed	3.5	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	12000/6000	回转速度 (r/min) Rotary Speed	75/150
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.6-6
推荐耗气量 (m³/min) Air consumption	16-75	外形尺寸 (m) Dimension	7*2.1*2.9
发动机 Engine	康明斯 Cummins	主机功率 (kw) Host power	132kw
卷扬机提升力 (T) Winch lifting force	2.5	支腿行程 (m) Leg Stroke	1.7
钻杆长度 (m) Drill pipe length	3	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	102/114
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进, 潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高风压系列 Medium and high air pressure series		

*参数如有变更, 恕不另行通知。Specifications are subject to change without notice.

RC600反循环钻机
Reverse Circulation
Drilling Rig



RC500反循环钻机
Reverse Circulation
Drilling Rig



技术参数 Parameter

整机重量 (T) Weight	12	钻井深度 (m) Drilling Depth	500
钻孔直径 (mm) Drill Diameter	105-400	提升力 (T) Lifting force	25
快升速度 (m/min) Fast Lifting Speeding	23	快进速度 Fast Feeding Speed	33
行走速度 (km/h) Moving Speed	2.5	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	10000/5000	回转速度 (r/min) Rotary Speed	75/150
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.6-6
推荐耗气量 (m³/min) Air consumption	16-55	外形尺寸 (m) Dimension	7*2.1*2.9
发动机 Engine	康明斯 Cummins	主机功率 (kw) Host power	132kw
卷扬机提升力 (T) Winch lifting force	1.5	支腿行程 (m) Leg Stroke	1.6
钻杆长度 (m) Drill pipe length	3	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	102/114
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进, 潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高风压系列 Medium and high air pressure series		

*参数如有变更, 恕不另行通知。Specifications are subject to change without notice.

RC800反循环钻机
Reverse Circulation
Drilling Rig



技术参数 Parameter

整机重量 (T) Weight	18	钻井深度 (m) Drilling Depth	800
钻孔直径 (mm) Drill Diameter	105-550	提升力 (T) Lifting force	47
快升速度 (m/min) Fast Lifting Speeding	42	快进速度 Fast Feeding Speed	29
行走速度 (km/h) Moving Speed	6	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	26000/13000	回转速度 (r/min) Rotary Speed	65/130
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.6-8
推荐耗气量 (m³/min) Air consumption	16-96	外形尺寸 (m) Dimension	10.5*2.25*3.3
发动机 Engine	康明斯 Cummins	主机功率 (kw) Host power	194kw
卷扬机提升力 (T) Winch lifting force	2.5	支腿行程 (m) Leg Stroke	1.7
钻杆长度 (m) Drill pipe length	6	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	114/127
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进, 潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高风压系列 Medium and high air pressure series		

*参数如有变更, 恕不另行通知。Specifications are subject to change without notice.



技术参数 Parameter

整机重量 (T) Weight	23	钻井深度 (m) Drilling Depth	1200
钻孔直径 (mm) Drill Diameter	105-800	提升力 (T) Lifting force	57
快升速度 (m/min) Fast Lifting Speeding	30	快进速度 Fast Feeding Speed	44
行走速度 (km/h) Moving Speed	6.4	爬坡能力 (°) Uphill angle	21
回转扭矩 (N.m) Rotary Torque	24000/12000	回转速度 (r/min) Rotary Speed	86/172
钻进效率 (m/h) Penetration efficiency	10-35	推荐工作风压 (Mpa) Air Pressure	1.6-8
推荐耗气量 (m³/min) Air consumption	16-96	外形尺寸 (m) Dimension	11.5*2.25*3.4
发动机 Engine	康明斯 Cummins	主机功率 (kw) Host power	264kw
卷扬机提升力 (T) Winch lifting force	2.5	支腿行程 (m) Leg Stroke	1.7
钻杆长度 (m) Drill pipe length	6	推荐反循环钻杆直径 (mm) RC Drill pipe diameter	127/146
可工作角度 Working Angle	45°, 90°		
适应条件 Working condition	松散层及基岩 Unconsolidated formation and stone head		
钻进方式 Drilling method	顶驱液压回转及推进, 潜孔冲击器或泥浆钻进 Top drive hydraulic rotary and pushing hammer or mud drilling		
配冲击器 Matched DTH hammer	中、高风压系列 Medium and high air pressure series		

*参数如有变更, 恕不另行通知。Specifications are subject to change without notice.

RC1200 反循环钻机
Reverse Circulation
Drilling Rig



inspectionIntegrated cyclone sample divider



Compressed air and dust mixture.
can be connected to dust collector

The cover can be opened

Gate

Gate

Access door

Sample port

another exit



Double arm drill pipe



Dust collector



Cyclone separator



Sampler

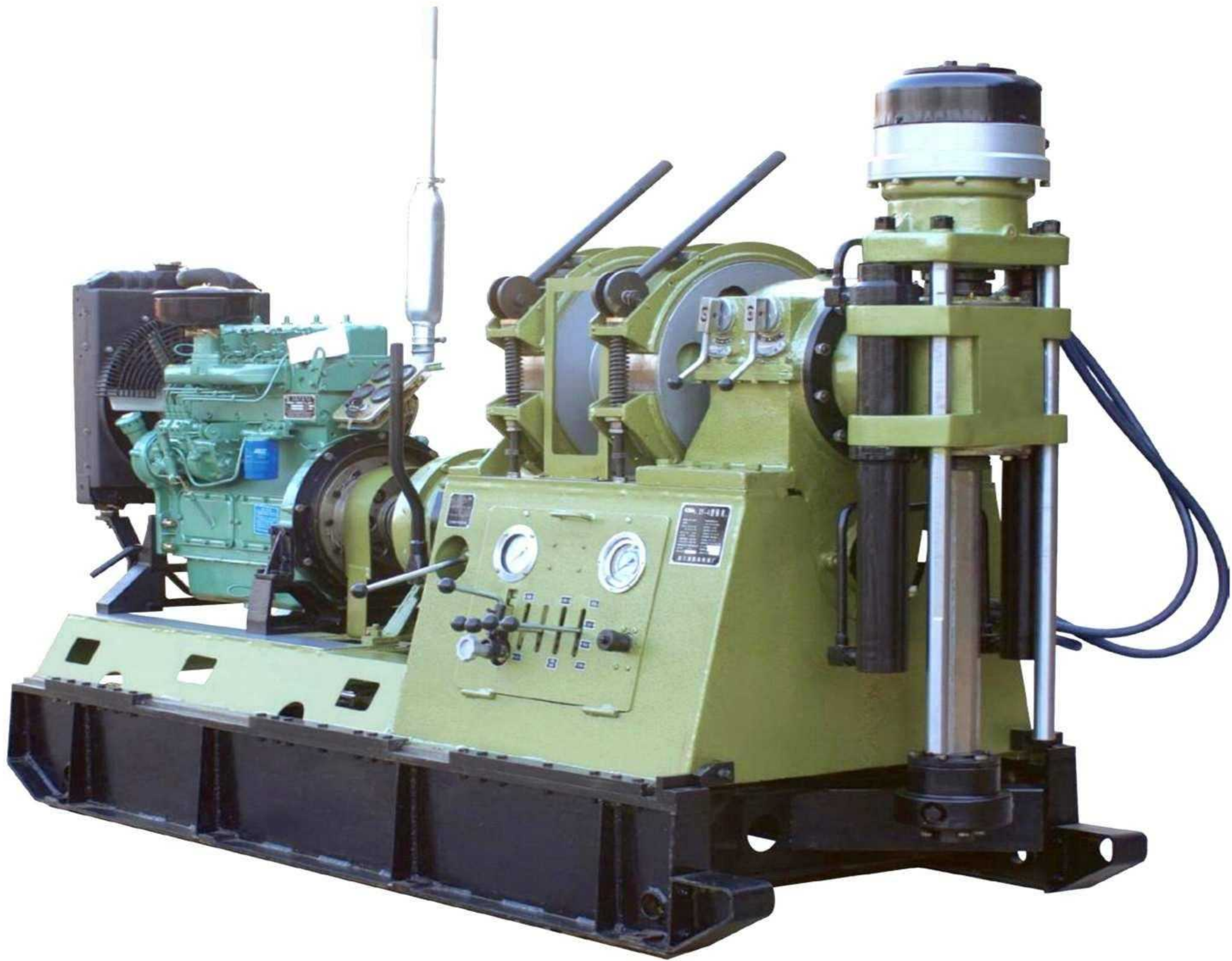


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XY-4



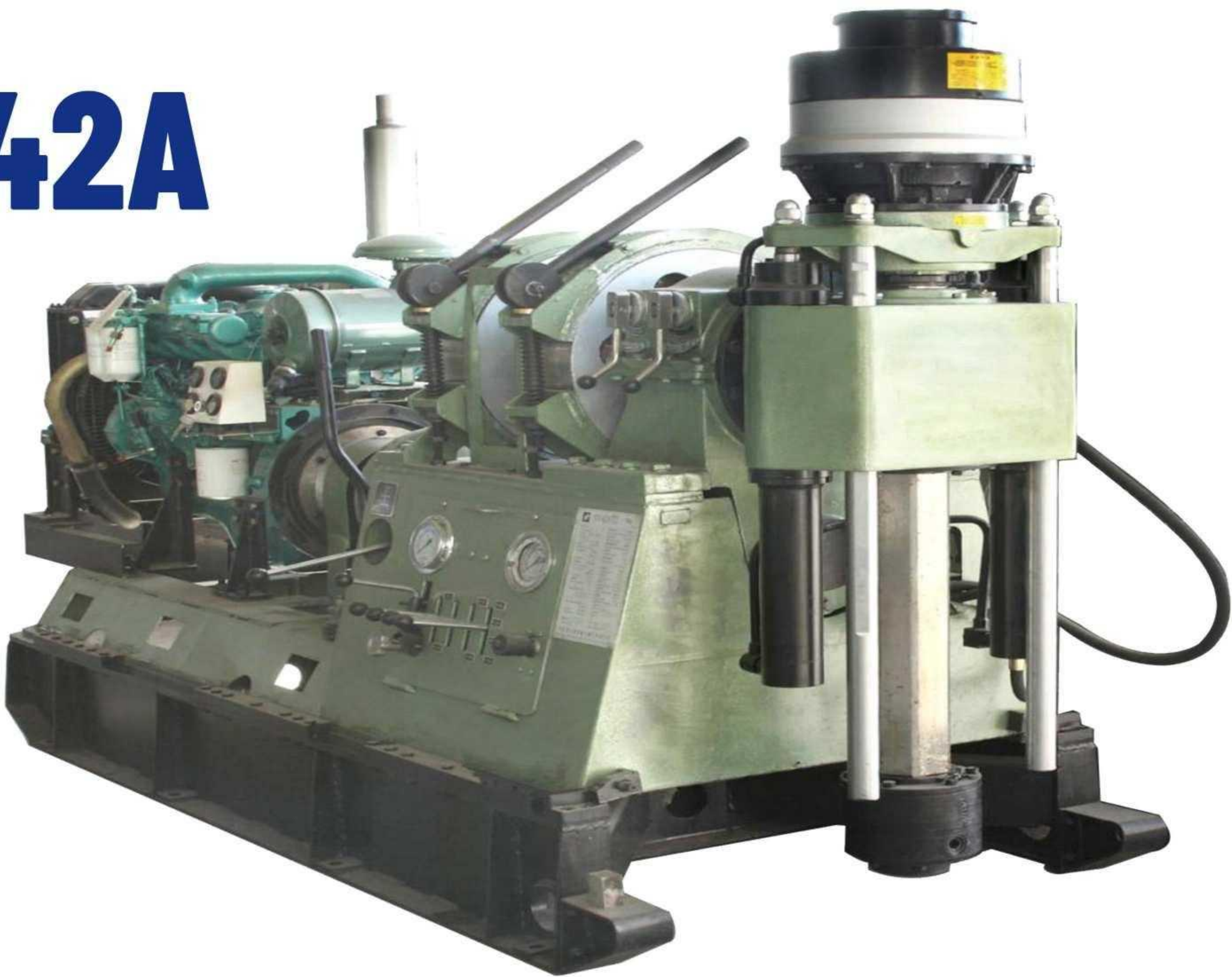
XY-4型岩心钻机主要适用于固体矿床的金刚石、硬质合金勘探钻进,也可用于工程地质与水下勘探,浅层石油和天然气开采以及矿山坑道的通风、排水等钻孔。其结构简单紧凑,布局合理,重量轻,拆卸方便,转速范围合理。该产品除了销售全国各地外,还出口至东南亚、非洲、美洲和欧洲等地区。

XY-4 core drill is mainly adapted to suit mineral with diamond bit or tungsten-carbide tipped bit. It can also be used for engineering geology and groundwater exploration and shallow layer oil and natural gas exploitation, even hole for sap ventilation and sap drain. The drill has compact, simple and suitable construction. It is light, and can be assembled and disassembled conveniently. The appropriate range of rotation speed gives the drill a high drilling efficiency. In addition to everywhere in our nation, it is also sold in South-east Asia, Africa, European countries.

技术参数 Parameter

钻进深度 Drilling depth		700-1000 m	立轴最大起重力 Max. lifting capacity of spindle	80 kN
立轴回转角度 Rotation angle of spindle		0-360 °	立轴最大加压力 Max. pressuring force of spindle	60 kN
立轴转速 Spindle speed	正转 Positive	97,178,255,370, 297,548,781,1136 rpm	外形尺寸 (L×W×H) Dimensions	2730 × 1100 × 1800mm
	反转 Negative	79,242 rpm		
立轴最大回转扭矩 Max. rotary torque of spindle		2610 N.m	钢丝绳直径 Steel Wire Diameter	16 mm
立轴给进行程 Spindle stroke		600 mm	卷筒容绳量 Content of Winding Drum	90 m
立轴通孔直径 I.D of spindle		68 mm	卷扬机最大提升力(单绳空载) Max. hoisting force	30 kN
动力配置 Power		Y2-200L-4电动机 30 kW/1470 rpm	钻机重量(不含动力机) Weight (without power unit)	1720 kg
		ZH4100G43柴油机 31 kW/1500 rpm		

XY-42A



XY-42A型岩心钻机是XY-42型钻机的优化设计改进产品,除具备XY-42型钻机技术性能和优点外,立轴给进增加了导向杆结构。

该钻机主要适用于以合金和金刚石钻进为主的岩心钻探,也适用于工程地质勘探、水文水井钻进、以及大口径基础桩工程施工。本产品除销售全国各地外,还出口东南亚、非洲、美洲和欧洲等地区。

XY-42A core drill rig is an improved product of XY-42 drill rig. Besides all the facilities of XY-42, guide rod structure is adopted on this machine.

XY-42A is mainly adapted to suit for core drilling with diamond bit or tungsten-carbide tipped bit. It can also be used for engineering exploration, water well and foundation hole drilling. In addition to China, it is also exported to South-east Asia, Africa, Latin America and European countries.

技术参数 Parameter

钻进深度 Drilling depth		610-1100 m	立轴最大起重力 Max. lifting capacity of spindle	80 kN
立轴回转角度 Rotation angle of spindle		0-360°	立轴最大加压力 Max. pressuring force of spindle	60 kN
立轴转速 Spindle speed	正转 Positive	81,150,214,311, 249,460,656,954 rpm	外形尺寸 (L×W×H) Dimensions	2800×1100×1880 mm
	反转 Negative	66,203 rpm		
立轴最大回转扭矩 Max. rotary torque of spindle		3220 N.m	钢丝绳直径 Steel Wire Diameter	16 mm
立轴给进行程 Spindle stroke		600 mm	卷筒容绳量 Content of Winding Drum	90 m
立轴通孔直径 I.D of spindle		92 mm	卷扬机最大提升力(单绳空载) Max. hoisting force	30 kN
动力配置 Power		Y2-200L-4电动机 30 kW/1470 rpm	钻机重量(不含动力机) Weight (without power unit)	1840 kg
		R4105G53柴油机 42 kW/1500 rpm		



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XY-44A



XY-44A型钻机是在XY-42型和XY-44型钻机的基础上改进设计的新产品，除具备以上两种机型钻机的技术性能参数外，立轴给进部分增加了导向杆结构；配有水刹车、手压油泵。

该钻机主要适用于以合金和金刚石钻进为主的岩心钻探，也适用于工程地质勘探、水文水井钻进，以及大口径基础桩工程施工。本产品除销售全国各地外，还出口到东南亚、非洲、美洲和欧洲等地区。

XY-44A core drill rig is an improved product based on XY-42 and XY-44 drill rig. Besides all the facilities of XY-42 and XY-44, guide rod structure is adopted on this machine, in addition, the machine is equipped with water brake and manually controlled oil pump.

XY-44A is mainly adapted to suit for core drilling with diamond bit or tungsten-carbide tipped bit. It can also be used for engineering exploration, water well and foundation hole drilling. In addition to China, it is also exported to South-east Asia, Africa, Latin America and European countries.

技术参数 Parameter

钻进深度 Drilling depth		750-1400 m	立轴最大起重力 Max. lifting capacity of spindle	126 kN
立轴回转角度 Rotation angle of spindle		0-360°	立轴最大加压力 Max. pressuring force of spindle	94 kN
立轴转速 Spindle speed	正转 Positive	82,151,215,313, 251,463,660,961 rpm	外形尺寸（L×W×H） Dimensions	3040×1100×1960mm
	反转 Negative	67,204 rpm		
立轴最大回转扭矩 Max. rotary torque of spindle		3860 N.m	钢丝绳直径 Steel Wire Diameter	17.5 mm
立轴给进行程 Spindle stroke		600 mm	卷筒容绳量 Content of Winding Drum	110 m
立轴通孔直径 I.D of spindle		92 mm	卷扬机最大提升力（单绳空载） Max. hoisting force	45 kN
动力配置 Power		Y2-225S-4电动机 37 kW/1480 rpm	钻机重量（不含动力机） Weight (without power unit)	2150 kg
		YC4108ZD柴油机50 kW/1500 rpm		

YK-5A



YK-5A 是 YK-5 型钻机的改进型产品，除保留 YK-5 机型各优点之外，对回转器、变速箱、离合器和机架作了较大改进，增加了双导向杆，变速箱的速比重新进行了分配，立轴给进行程由原500mm增加到600mm，钻机前后移动行程由460mm增加到600mm。

YK-5A 型岩心钻机可用于斜、直孔钻进。具有结构简单紧凑、布局合理，重量适中、拆卸方便、转速范围宽等优点。钻机配有水刹车，卷扬能力大，提升制动低位操作方便。

YK-5A is developed from YK-5. The advantages of YK-5 are reserved and at the same time, big changes are made on rotator, gearbox, clutch and frame. Dual-guide levers are equipped on the machine, the speed ratio of gearbox is re-distributed, the spindle stroke is increased from 500mm to 600mm and the back and forth moving stroke is increased from 460mm to 600mm.

The machine is fit for engineering works of inclined and vertical hole drilling. It is compact in construction, rational in overall arrangement, moderate in weight, convenient in assembling and wide in range of rotation speed. Equipped with water brake, YK-5A CORE DRILL, with high hoisting force, is convenient in low-position lift brake application.

技术参数 Parameter

钻进深度 Drilling depth		800-1800 m	立轴最大起重力 Max. lifting capacity of spindle	138.5 kN
立轴回转角度 Rotation angle of spindle		0-360°	立轴最大加压力 Max. pressuring force of spindle	93 kN
立轴转速 Spindle speed	正转 Positive	98,166,253,340, 359,574,876,1244 rpm	外形尺寸（L×W×H） Dimensions	(电机) 3500×1300×2175 mm
	反转 Negative	69,238 rpm		(柴油机) 3700×1300×2175mm
立轴最大回转扭矩 Max. rotary torque of spindle		5361 N.m	钢丝绳直径 Steel Wire Diameter	18.5 mm
立轴给进行程 Spindle stroke		600 mm	卷筒容绳量 Content of Winding Drum	120 m
立轴通孔直径 I.D of spindle		92 mm	卷扬机最大提升力(单绳空载) Max. hoisting force	60 kN
动力配置 Power		Y2 - 250M-4电动机 55 kW/1480 rpm	钻机重量 (不含动力机) Weight (without power unit)	3420 kg
		YC6B135Z-D20 柴油机 84 kW/1500rpm		



YK-6A



YK-6A钻机是 YK-6 钻机的改进型产品，除保留 YK-6 钻机的各项优点之外，对回转器、变速箱、离合器和机架等做了较大改进，增加了双导向杆、变速箱的变速比重新做了调整，主轴给进行程由原600mm增加到720mm，主机前后移动行程由原460mm增加到600mm。

YK-6A型岩心钻机可用于斜、直孔钻进。具有结构简单紧凑、布局合理，重量适中、拆卸方便、转速范围宽的优点。钻机配有水刹车，卷扬能力大，提升制动低位操作方便。

YK-6Ais developed from YK-6 . The advantages of YK-6 are reserved and at the same time, big changes are made on rotator, gearbox, clutch and frame. Dual-guide levers are equipped on the machine, the speed ratio of gearbox is re-distributed, the spindle stroke is increased from 600mm to 720mm and the back and forth moving stroke is increased from 460mm to 600mm.

The machine is fit for engineering works of inclined and vertical hole drilling. It is compact in construction, rational in overall arrangement, moderate in weight, convenient in assembling and wide in range of rotation speed. Equipped with water brake, YK-6ACORE DRILL, with high hoisting force, is convenient in low-position lift brake application.

技术参数 Parameter

钻进深度 Drilling depth		1100-2200 m	立轴最大起重力 Max. lifting capacity of spindle	196 kN
立轴回转角度 Rotation angle of spindle		0-360°	立轴最大加压力 Max. pressuring force of spindle	146 kN
立轴转速 Spindle speed	正转 Positive	96,162,247,266, 352,448,685,974 rpm	外形尺寸（L×W×H） Dimensions	(电机) 3548×1300×2305mm (柴油机) 3786×1300×2305mm
	反转 Negative	67,187 rpm		
立轴最大回转扭矩 Max. rotary torque of spindle		7460 N·m	钢丝绳直径 Steel Wire Diameter	21.5 mm
立轴给进行程 Spindle stroke		720 mm	卷筒容绳量 Content of Winding Drum	160 m
立轴通孔直径 I.D of spindle		92 mm	卷扬机最大提升力（单绳空载） Max. hoisting force	76 kN
动力配置 Power		Y2-280S-4电动机 75 kW/1480 rpm	钻机重量（不含动力机） Weight (without power unit)	4180 kg
		YC6B135Z-D20柴油机 84 kW/1500 rpm		

YK-6B



YK-6B型岩心钻机是综合国内外各类岩心钻机优点和特性改进设计的一种具有较大钻进能力的液压给进、立轴回转、金刚石钻进的岩心钻机。主要适用于金属、非金属固体矿床勘探。是广泛用于地质、冶金、煤炭、水文水井、工程等行业以金刚石和硬质合金钻进为主的岩心钻探设备，也适用于浅层石油和天然气开采、矿山坑道通风、排水以及大口径基础桩工程施工等。

YK-6B型岩心钻机可用于斜、直孔钻进。具有结构简单紧凑、布局合理，重量适中、拆卸方便、转速范围宽的优点。钻机配有水刹车，卷扬能力大，提升制动低位操作方便。

YK-6B CORE DRILL, integrated with the advantages and characteristics of various core drills manufactured in China and abroad, is a kind of hydraulic-driven, spindle, diamond-bit small-diameter core drill with fairly powerful drilling force. It is mainly suitable for exploration of metal or non-metal solid mineral ore bed. It is widely applied in core drill with diamond bit or hard tungsten-carbide tipped bit in the field of geology, metallurgy, coal mine, hydrological and engineering drilling. It can also be used in the fields of superficial-zone petroleum and natural gas mining, mines' gallery ventilation and water discharge tunnel drilling as well as large-diameter hole foundation stake drilling.

The machine is fit for engineering works of inclined and vertical hole drilling. It is compact in construction, rational in overall arrangement, moderate in weight, convenient in assembling and wide in range of rotation speed. Equipped with water brake, CORE DRILL, with high hoisting force, is convenient in low-position lift brake application.

技术参数 Parameter

钻进深度 Drilling depth		1100-2200 m	立轴最大起重力 Max. lifting capacity of spindle	196 kN
立轴回转角度 Rotation angle of spindle		0-360°	立轴最大加压力 Max. pressuring force of spindle	146 kN
立轴转速 Spindle speed	正转 Positive	100,169,258,278, 368,468,716,1018 rpm	外形尺寸（L×W×H） Dimensions	(电机) 3590×1300×2370 mm (柴油机) 3790×1300×2370 mm
	反转 Negative	70,196 rpm		
立轴最大回转扭矩 Max. rotary torque of spindle		7163 N·m	钢丝绳直径 Steel Wire Diameter	21.5 mm
立轴给进行程 Spindle stroke		720mm	卷筒容绳量 Content of Winding Drum	160 m
立轴通孔直径 I.D of spindle		116 mm	卷扬机最大提升力（单绳空载） Max. hoisting force	76 kN
动力配置 Power		Y2-280S-4电动机 75 kW/1480 rpm	钻机重量（不含动力机） Weight (without power unit)	4360 kg
		YC6B135Z-D20柴油机 84 kW/1500 rpm		

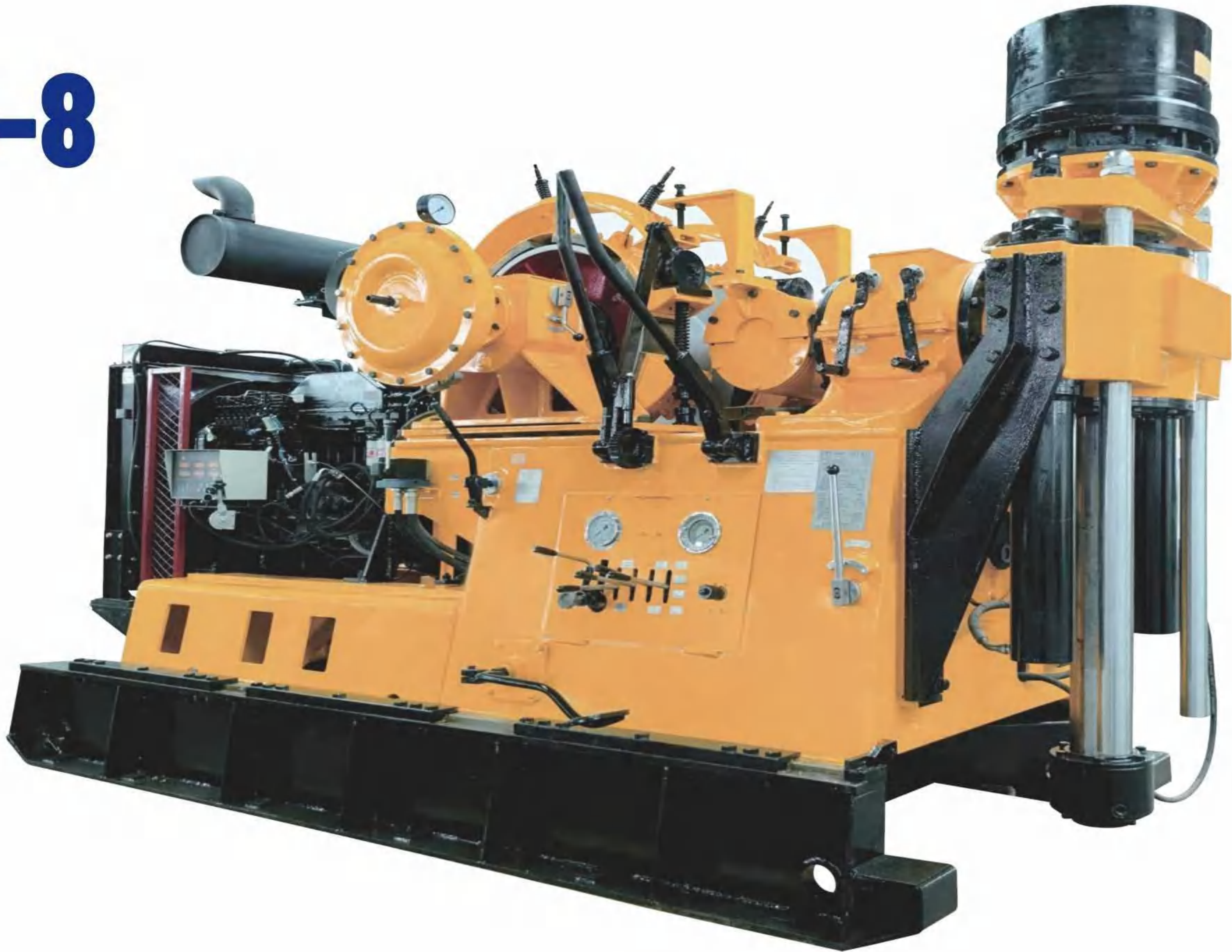


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YK-8



YK-8B



YK-8(-8B)型岩心钻机是机械传动、立轴回转、液压给进，应用金刚石和硬质合金钻机的中深孔岩心钻机。

YK-8为立轴式。YK-8B为转盘式。

该型钻机适用于金属、非金属固体矿藏勘探、浅层石油和天然气开采、地热井勘探、矿山坑道通风、排水以及大孔位基础桩工程施工等，是广泛应用于地质、冶金、煤炭、水文、水井、工程等行业，以金刚石和硬质合金钻进为主的岩心钻探设备。

YK-8(-8B)型岩心钻机具有钻进范围宽、钻速分布合理、动力配置大、输出扭矩大、立轴回转和转盘式回转结构兼顾、卷扬机横向布置等特点，且配有水刹车、提升能力大、制动灵活、操作方便、安全可靠。

该钻机可作为传统的立轴式钻机使用，又可作为转盘式钻机使用，是中深孔钻进和适应我国目前中深孔勘探工作之优选设备。

The type of YK-8 and YK-8B core drill rigs are a kind of core drill rig for medium and large depth hole drilling using diamond and carbide-tipped bits, with mechanical transmission, spindle rotation, hydraulic feeding.

YK-8 is a type of vertical-spindle drilling rig, and YK-8B is a rotary drilling machine.

The drill rigs apply to metallic and nonmetallic solid mineral deposits prospecting; shallow oil and natural gas exploration and exploitation; geothermal well exploitation, mine ventilation and drainage and also large hole diameter basic pile construction. They could be used widely in geology, metallurgy, coal, hydrogeology, hydrological well and engineering and other industries fields.

The YK-8 and YK-8B core drill rigs have the features as : a large range and reasonable drilling speeds; large capacity of power unit; large output torque; hoister in horizontal arrangement; and the rigs are equipped with hydraulic brake as well. Also they are in huge power of lifting; braking easily and quickly; they are easy and convenient in operation, reliable and safe. There are two types for your selection: the YK-8, a type of vertical-spindle drilling rig; and YK-8B, a rotary drilling machine.

The YK-8 could be used as traditional vertical-spindle drilling rig , and YK-8B could be used as a rotary drilling machine. They are the priority selection equipments and suitable for medium and large depth hole drilling at present in China.

技术参数 Parameter

YK-8

钻进深度 Drilling depth		2100-3200 m	立轴最大起重力 Max. lifting capacity of spindle	294 kN
			立轴最大加压力 Max. pressuring force of spindle	141 kN
立轴转速 Spindle speed	正转 Positive	99, 168, 256, 363, 277, 467, 715, 1011 rpm	外形尺寸 (L×W×H) Dimensions	(电机) 3905×1692×2603 mm
	反转 Negative	70, 194 rpm		(柴油机) 4105×1892×2803 mm
立轴最大回转扭矩 Max. rotary torque of spindle		8682 N·m	钢丝绳直径 Steel Wire Diameter	21.5 mm
立轴给进行程 Spindle stroke		1000 mm	卷筒容绳量 Content of Winding Drum	185 m
立轴通孔直径 I.D of spindle		118 mm	卷扬机最大提升力(单绳空载) Max. hoisting force	125 kN
动力配置 Power		Y2-280M-4电动机 90 kW/1480 rpm	钻机重量(不含动力机) Weight (without power unit)	7900 kg
		YC6B180D柴油机134 kW/1800 rpm		

YK-8B

钻进深度 Drilling depth	2300-3200 m		立轴转速 Spindle speed	正转 Positive	99, 168, 256, 363, 277, 467, 715, 1011 rpm
				反转 Negative	70, 194 rpm
转盘转速 Turntable speed	正转 Clockwise Rotation Rates	41, 70, 107, 152, 116, 195, 299, 415 rpm	外形尺寸 (L×W×H) Dimensions	(电机) 4413×1692×2653 mm	
	反转 Anti-clockwise Rotation Rates	29, 81 rpm		(柴油机) 4413×1892×2803 mm	
转盘最大回转扭矩 Max. rotary torque of turntable	29638 N·m (反转时)		钢丝绳直径 Steel Wire Diameter	21.5 mm	
转盘通孔直径 Turntable aperture	395 mm		卷筒容绳量 Content of Winding Drum	185 m	
立轴给进行程 Spindle stroke	800 mm		钻机移动行程 Sliding stroke of drill rig	690 mm	
动力配置 Power	Y2-280M-4电动机 90 kW/1480 rpm		卷扬机最大提升力(单绳空载) Max. hoisting force	125 kN	
	YC6B180D柴油机 134 kW/1800 rpm		钻机重量(不含动力机) Weight (without power unit)	9100 kg	

YK-9



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技术参数 Parameter

YK-9型岩心钻机是根据我国深部找矿要求，在 YK-8 型钻机的基础上设计开发的新型深孔岩心勘探技术装备。主要适用于地质、冶金、煤炭、水文、工程等行业，以金刚石和硬质合金钻进为主的钻探设备，也适用于工程地质勘探、地质科探特殊孔勘探，浅、中层石油和天然气开采、矿山坑道通风、排水、水文水井钻进以及大口径基础桩工程施工等。

该型钻机结构简单紧凑，布局合理，具有操作维修方便，钻进可靠性强等优点。

YK-9 is an improved product based on YK-8 . It is mainly used in core drill with diamond bit or hard tungsten-carbide tipped bit in the field of geology, metallurgy, coal mine, hydrological and engineering drilling. It can also be used in the fields of superficial-zone petroleum and natural gas mining, mine's gallery ventilation and water discharge tunnel drilling as well as foundation pile construction in large diameter.

It is compact in construction, rational in overall arrangement, moderate in weight, convenient in assembling and suitable in the range of rotation speed. Equipped with water brake.The hoist is in low -position operation for its lifting and stopping and other advantages.

动力配置 Power unit

电动机型号 Electric motor model	Y2-315L1-4	柴油机型号 Diesel engine model	YC6M265L-D20
电动机功率 Power	160 kW	柴油机功率 Power	170 kW
电动机转速 Rotating speed of electric motor	1480 rpm	柴油机转速 Rotating speed of diesel engine	1500 rpm

主要参数：（按160 kW/1480 rpm电动机动力计算）

Main Specification (with 160 kW / 1480 rpm electric motor)

钻进深度 Drilling depth	2600-4200 m	立轴通孔直径 Spindle dia	118 mm	
立轴输出最大扭矩(N.m) Max.Spindle torque(N.m)	18610	立轴转速(rpm) Spindle speed (rpm)	正转 Positive	82,119,170,234,333,240,338,484,683,949
			反转 Negative	29,84
主动钻杆 Hexagonal kelly	φ 114x102; φ 89x79; (mm)	钻杆直径 Dia of drill rod	φ 114 φ 102 φ 89 φ 71 mm	
立轴行程 Spindle stroke	1200 mm	钻机移动行程 Sliding stroke of drill rig	800 mm	
钻机最大起重力 Max. Lifting force	643 kW	钻机最大加压力 Max. Pressurizing force	339 kN	
卷筒容量 Winding Drum capacity	400 m	钢丝绳规格 Steel wire dia	26 mm	
单绳最大提升力（第三层） Max. Single-wire hoisting force (the third layer)	165 kN	卷扬机提升速度（m/s） Single-wire lifting speed of hoist (m/s)	0.84, 1.21, 1.74, 2.45, 3.4	
		钻孔倾角（拆去立臂） Drilling angle (without vertical arm)	78°-90°	
钻机（配电机）外形尺寸 Dimensions(with electric motor)	5730×2040×3400 mm	钻机（配电机）重量 Weight (with electric motor)	17000 kg	
钻机（配柴油机）外形尺寸 Dimensions (with diesel engine)	6088×2040×3400 mm	钻机（配柴油机）重量 Weight (with diesel engine)	17600 kg	

YK-9B



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技术参数 Parameter

YK-9B型岩心钻机是根据我国深部找矿要求，在YK-8B型钻机基础上设计开发的新型深孔岩心勘探技术装备。主要适用于地质、冶金、煤炭、水文、工程等行业，以金刚石和硬质合金钻进为主的钻探设备，也适用于工程地质勘探、地质勘探特殊孔勘探，浅、中层石油和天然气开采、矿山坑道通风、排水、水文水井钻进以及大口径基础桩工程施工等。

该型钻机结构简单紧凑，布局合理，具有操作维修方便，钻进可靠性强等优点。

YK-9B is an improved product based on YK-8B . It is mainly used in core drill with diamond bit or hard tungsten-carbide tipped bit in the field of geology, metallurgy, coal mine, hydrological and engineering drilling. It can also be used in the fields of superficial-zone petroleum and natural gas mining, mine's gallery ventilation and water discharge tunnel drilling as well as foundation pile construction in large diameter.

It is compact in construction, rational in overall arrangement, moderate in weight, convenient in assembling and suitable in the range of rotation speed. Equipped with water brake.The hoist is in low-position operation for its lifting and stopping and other advantages.

动力配置 Power unit

电动机型号 Electric motor model	Y2-315L1-4	柴油机型号 Diesel engine model	YC6M265L-D20
电动机功率 Power	160 kW	柴油机功率 Power	170 kW
电动机转速 Rotating speed of electric motor	1480 rpm	柴油机转速 Rotating speed of diesel engine	1500 rpm

主要参数：（按160 kW/1480 rpm电动机动力计算）

Main Specification (with 160 kW / 1480 rpm electric motor)

钻进深度 Drilling depth	2800-4200 m	立轴通孔直径 Spindle dia	118 mm
转盘通孔直径 Hole dia. on turntable	494 mm	转盘最大动承载 Max. Dynamic load of turntable	720 kN
转盘最大静承载 Max. Dead load of turntable	1335 kN		
立轴转速(rpm) Spindle speed (rpm)	正转 Positive 82, 119, 170, 234, 333, 240, 338, 484, 683, 949 反转 Negative 29, 84	转盘转速(rpm) Rotating speed of turntable(rpm)	正转 Positive 28, 41, 58, 80, 114, 82, 116, 166, 234, 326 反转 Negative 10, 28
立轴输出最大扭矩(N.m) Max.Spindle torque (N.m)	正转 Positive 18610 反转 Negative 52024	转盘输出最大扭矩(N.m) Max.Turntable torque (N.m)	正转 Positive 54155 反转 Negative 151390
主动钻杆 Hexagonal kelly	Φ 114×102; Φ 89×79; 110×110 (mm)	钻杆直径 Dia of drill rod	Φ 114 Φ 102 Φ 89 Φ 71 mm
卷筒容量 Winding drum capacity	400 m	钢丝绳规格 Steel wire dia	26 mm
单绳最大提升力（第三层） Max. Single-wire hoisting force (the third layer)	165 kN	卷扬机提升速度（m/s） Single-wire lifting speed of hoist (m/s)	0.84, 1.21, 1.74, 2.45, 3.4
钻机（配电机）外形尺寸 Dimensions(with electric motor)	7005×2040×3400 mm	钻机（配电机）重量 Weight (with electric motor)	19900 kg
钻机（配柴油机）外形尺寸 Dimensions(with diesel engine)	7362×2040×3400 mm	钻机（配柴油机）重量 Weight (with diesel engine)	20500 kg



YYDX-2A

YYDX-2A型全液压岩心钻机整体采用轻量化、模块化设计，具有结构紧凑、布局合理、性能优越、操作简单、维修方便等优点，主要适用于金刚石绳索取心钻进工艺，用于各种地层的钻进需要，适应性较为广泛。

YYDX-2A Full Hydraulic Core Drill Rig adopts lightweight and modular design, and is compact in structure, rational in overall arrangement, easy in operation, high performance and low maintenance. It is mainly used in rope coring drilling process with diamond bit , for drilling needs of various strata, with a wide range of adaptability.



- 1、钻机采用全液压驱动，钢履带行走；
- 2、动力头采用顶驱式结构，动力头回转采用机械两档无级调速机构，动力头给进采用油缸直推给进机构，动力头还带有侧向平移机构；
- 3、桅杆采用可折叠方式，带有触地功能，桅杆可根据需要配加长节；
- 4、主轴回转采用单马达驱动，工作效率高；
- 5、孔口配有液压夹持器和扶正器。

- 1.The rig adopts full hydraulic driving system and moves with its steel crawlers.
- 2.The drill head adopts the top drive structure. The rotation of drill head is set with 2 gear stepless speed adjustment. Drill head is driven by cylinder directly and set with lateral translation mechanism.
- 3.The mast is foldable, with a touchdown function, and the mast can be extended as required.
- 4.The rotation of the spindle is driven by a single motor, with high operation efficiency.
- 5.A hydraulic clamp and centering guide are adopted at the position above the drilling hole.

技术参数 Parameter

项目 Item		单位 Unit	参数 Parameter	备注 Remark
钻孔深度 Drilling Depth	BQ钻杆 BQ Rod	m	500	Φ55.6mm
	NQ钻杆 NQ Rod		350	Φ69.9mm
	HQ钻杆 HQ Rod		120	Φ88.9mm
动力头能力 Drill Head Capacity	转速 Rotary Speed	r/min	0~1200	两档无级调速 2 gear stepless speed adjustment
	最大扭矩 Max.Torque	N·m	900	
	立轴通孔直径 Hole Diameter of Spindle	mm	顶驱式 Top drive type	
	最大起拔力 Max.Lifting Capacity	kN	50	
	最大给进力 Max. Feeding Power	kN	25	
柴油机 Diesel Engine	额定功率 Rated Power	kW	74	康明斯 Cummins 4BTA3.9-C100
	额定转速 Rated Speed	r/min	2200	
桅杆 Mast	总高度 Mast Height	m	6	
	调整角度 Adjusting Angle	°	0~90	
	钻进角度 Drilling Angle	°	45~90	
	给进行程 Feeding Stroke	mm	1800	
	桅杆滑移行程 Sliding Distance of Mast	mm	715	
主卷扬机 Main Hoist	单绳提升力 Single-wire Hoisting Capacity	kN	20	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	14	
	钢丝绳长度 Length of Steel Rope	m	30	
副卷扬机 Auxiliary Winch	单绳提升力 Single-wire Hoisting Capacity	kN	8	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	6	
	钢丝绳长度 Length of Steel Rope	m	500	
泥浆泵 Mud Pump	型号 Model	/	BW-100	
下夹持器 Foot clamp	夹持范围 Clamping Scope	mm	55.5~117.5	
主机重量 Weight of Main Machine		t	6	
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)		mm	6060×1840×2400	运输尺寸 Transport Dimensions



YYDX-4

采用绳索取心金刚石钻探技术的全液压动力头式岩心钻机已成为发达国家用于固体矿床勘探的主导机型，也成为当前我国钻探技术与装备发展的主导趋势，YYDX-4型全液压岩心钻机，该钻机适用于地质、冶金、有色、煤炭、核工业、石油、天然气等行业，用于金刚石和硬质合金岩心钻探工程施工。

The fully hydraulic power head core drilling rig using wireline coring diamond drilling technology has become the leading model used in solid mineral deposit exploration in developed countries, and has also become the dominant trend in the development of drilling technology and equipment in my country. The YYDX-4 fully hydraulic core drilling rig Drilling rig, this drilling rig is suitable for geology, metallurgy, non-ferrous metals, coal, nuclear industry, petroleum, natural gas and other industries, and is used in diamond and carbide core drilling engineering construction.



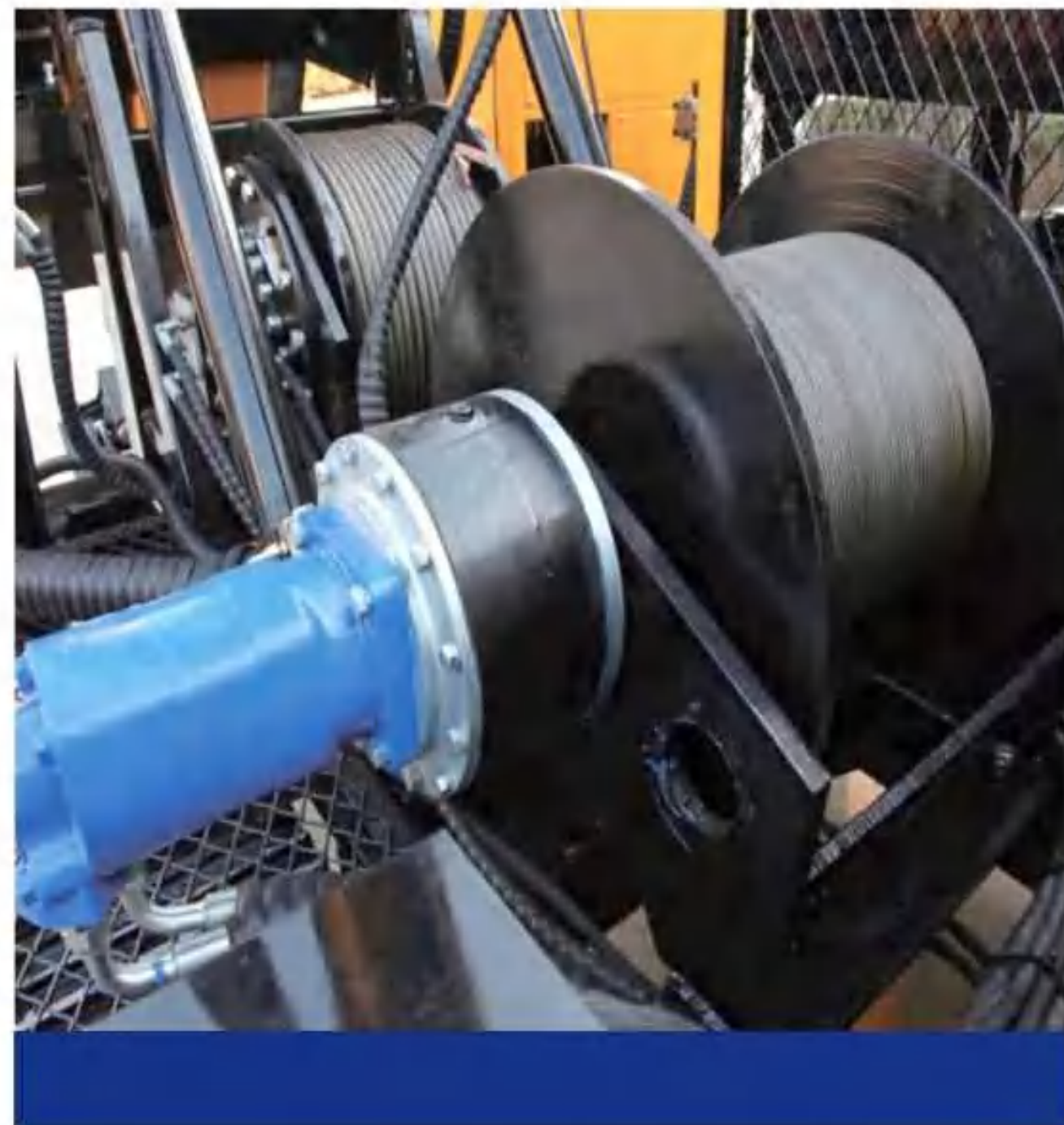
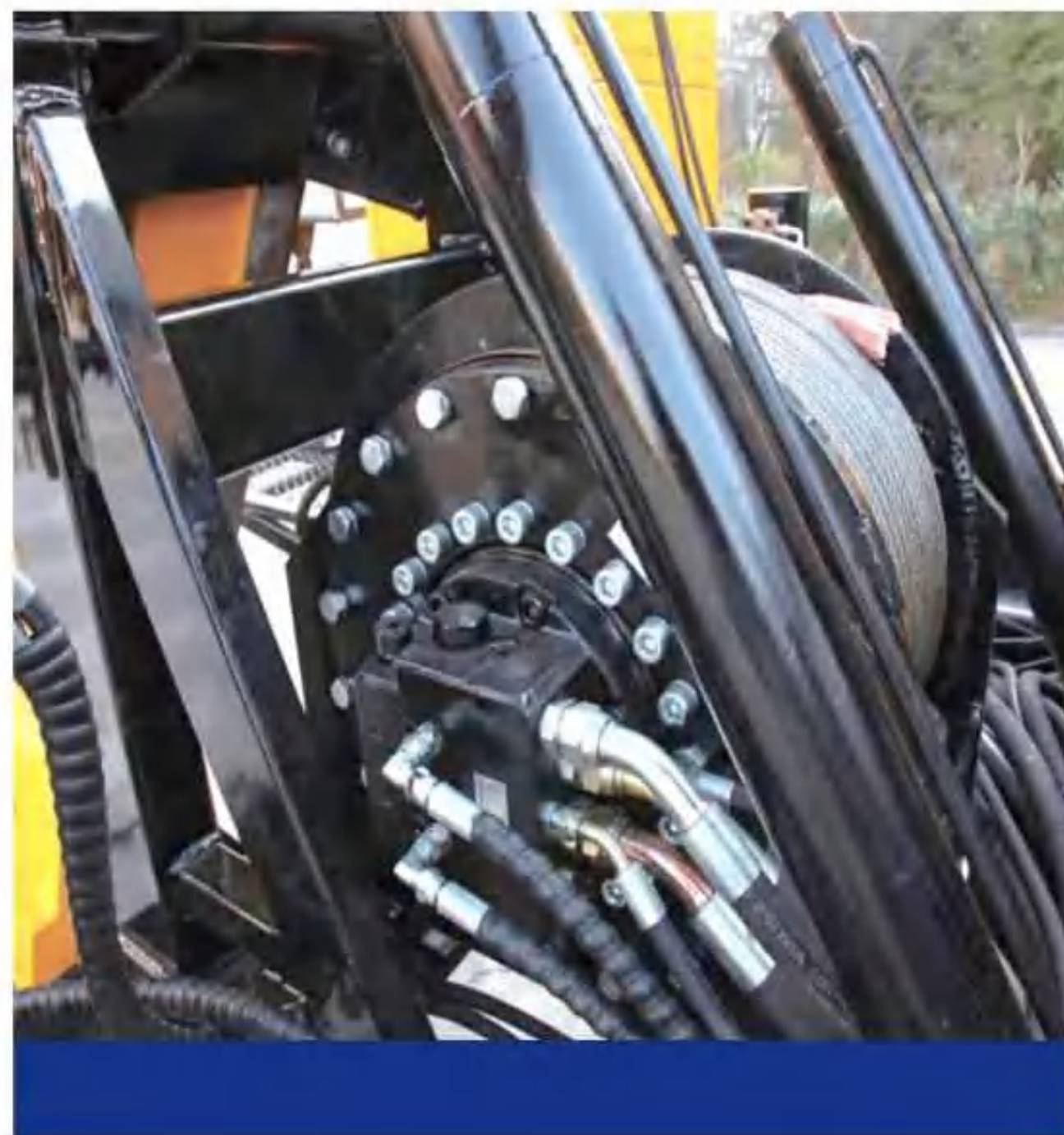
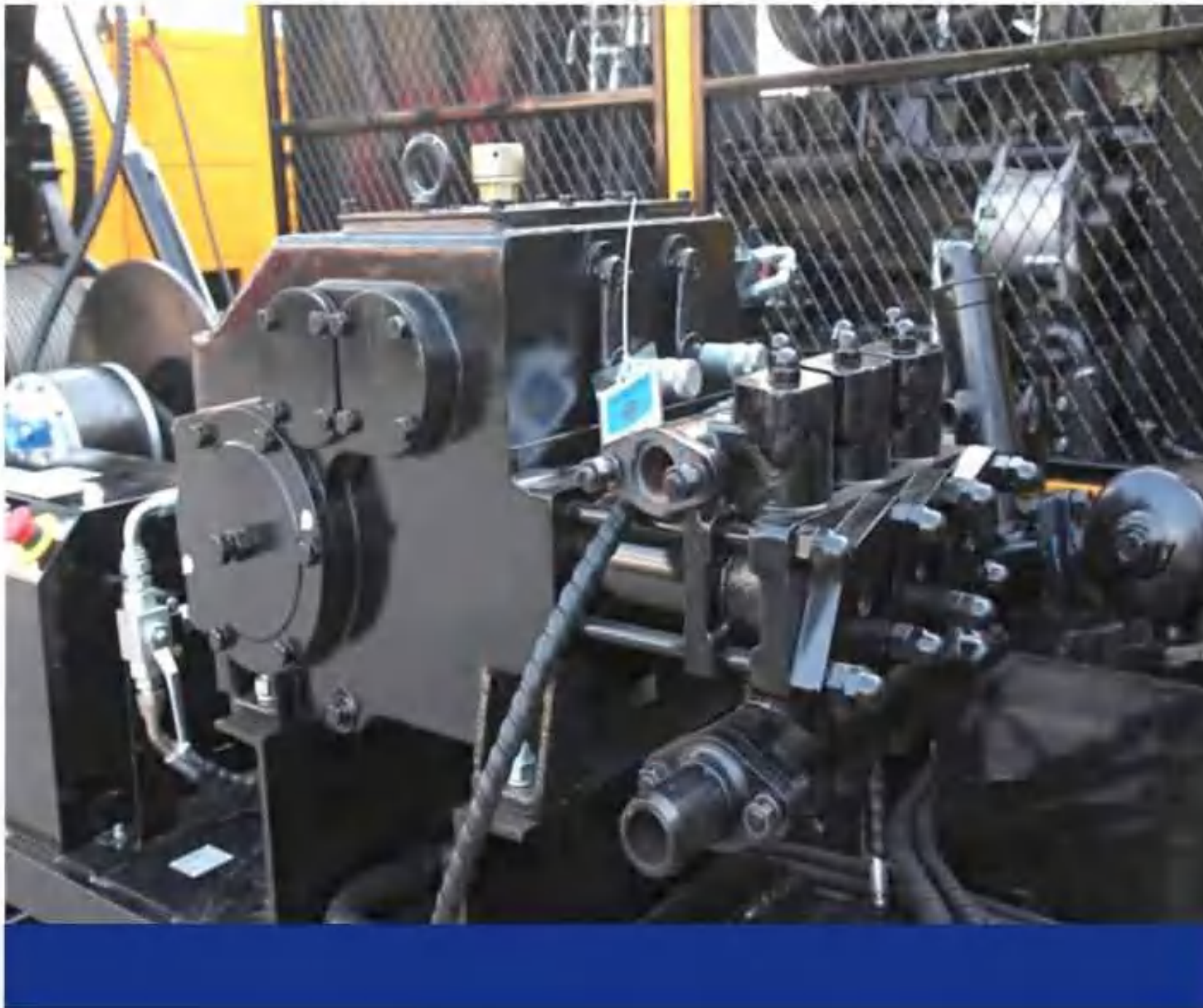
- 1、采用履带式底盘；
- 2、动力头采用卡盘式结构，动力头回转采用机械四档机构辅以液压无级调速，能实现主轴高精度回转，动力头给进与提升采用油缸直推给进机构，动力头还带有侧向平移机构；
- 3、桅杆采用可折叠方式，方便运输和存放，带有滑移触地功能；
- 4、液压系统采用负载敏感控制，主轴回转采用单马达驱动闭式回路，工作效率高；
- 5、桅杆带有上扶正和下扶正装置，孔口配有液压夹持器；
- 6、配有孔口工作平台和二层工作平台。

1. The rig adopts a tracked chassis.
2. The drill head adopts a chuck type structure. The rotation of the drill head has four mechanical shafts, and it speed could be adjusted by hydraulic pressure with stepless speed change, which can achieve high-precision rotation of the spindle. Drill head is driven by cylinder directly and set with lateral translation mechanism.
3. The mast is foldable, convenient for transportation and storage, with sliding touch function.
4. The hydraulic system adopts load sensitive control, and the rotation of the spindle is driven by a single motor with closed loop circuit, with high operation efficiency.
5. The mast is equipped with centering guide in its upper and lower part. A hydraulic clamp is adopted at the position above the drilling hole.
6. Equipped with an orifice working platform and two layer working platform.



技术参数 Parameter

项目 Item		单位 Unit	参数 Parameter	备注 Remark
钻孔深度 Drilling Depth	BQ钻杆 BQ Rod	m	1000	Φ55.6mm
	NQ钻杆 NQ Rod		700	Φ69.9mm
	HQ钻杆 HQ Rod		500	Φ88.9mm
动力头能力 Drill Head Capacity	转速 Rotary Speed	r/min	0~1145	四档无级调速 4 gear stepless speed adjustment
	最大扭矩 Max.Torque	N·m	4200	
	立轴通孔直径 Hole Diameter of Spindle	mm	98	
	最大起拔力 Max.Lifting Capacity	kN	150	
	最大给进力 Max. Feeding Power	kN	60	
柴油机 Diesel Engine	额定功率 Rated Power	kW	132	康明斯 Cummins 6BTA5.9-C180
	额定转速 Rated Speed	r/min	2200	
桅杆 Mast	总高度 Mast Height	m	9	
	调整角度 Adjusting Angle	°	0~90	
	钻进角度 Drilling Angle	°	45~90	
	给进行程 Feeding Stroke	mm	3500	
	桅杆滑移行程 Sliding Distance of Mast	mm	1100	
主卷扬机 Main Hoist	单绳提升力 Single-wire Hoisting Capacity	kN	57	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	16	
	钢丝绳长度 Length of Steel Rope	m	50	
副卷扬机 Auxiliary Winch	单绳提升力 Single-wire Hoisting Capacity	kN	12	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	6	
	钢丝绳长度 Length of Steel Rope	m	1000	
泥浆泵 Mud Pump	型号 Model	/	BW-160	
下夹持器 Foot clamp	夹持范围 Clamping Scope	mm	55.5~117.5	通孔 Φ154 Hole diameter
主机重量 Weight of Main Machine		t	9.3	
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)		mm	5100×2200×2450	运输尺寸 Transport Dimensions



YYDX-5A



液压泵组、主阀、液压马达均选用国际品牌纯进口件；动力头给进和提升采用油缸链条倍速结构、长给进行程；主轴回转采用双马达驱动闭式回路，两档机械变速箱辅以液压无级调速；动力头离开孔口方式为平移式；桅杆用油缸起落，可滑移触地，可折叠；液压系统采用负载敏感控制；钢履带自行走；配有高位工作台和孔口工作台；配有液压支腿、上下导正装置；孔口配有液压夹持器，整体结构履带式、平台式、轮胎式可选。

Hydraulic pumps, main valve and hydraulic motor are all from famous international brands. Drill head feeding and lifting adopt double-speed driving device for the chain of the oil tank, with long-range feeding stroke. Drill head driven by double-motor and adopts enclosed hydraulic system, 2 grades mechanical shift gears and hydraulic operated stepless shift gears. The drill head leaves the orifice in a translational manner. Mast adopted hydraulic powered lift/down, with touchdown function, can be folded. Hydraulic system adopts sensitive load control, track walks. With high-position operation platform and orifice operation platform. With hydraulic support device. With high supporter and low guider devices. A hydraulic clamp is adopted at the position above the drilling hole. There are three types of overall structure: crawler, platform and tyre.

技术参数 Parameter

项目 Item		单位 Unit	参数 Parameter	备注 Remark
钻孔深度 Drilling Depth	BQ钻杆 BQ Rod	m	1500	Φ55.6mm
	NQ钻杆 NQ Rod		1300	Φ69.9mm
	HQ钻杆 HQ Rod		1000	Φ88.9mm
	PQ钻杆 PQ Rod		680	Φ114.3mm
动力头能力 Drill Head Capacity	转速 Rotary Speed	r/min	0~1145	两档无级调速 2 gear stepless speed adjustment
	最大扭矩 Max.Torque	N·m	4650	
	立轴通孔直径 Hole Diameter of Spindle	mm	121	
	最大起拔力 Max.Lifting Capacity	kN	150	
	最大给进力 Max. Feeding Power	kN	75	
柴油机 Diesel Engine	额定功率 Rated Power	kW	160	康明斯 Cummins 6CTA8.3-C215
	额定转速 Rated Speed	r/min	2200	
桅杆 Mast	总高度 Mast Height	m	11.2	
	调整角度 Adjusting Angle	°	0~90	
	钻进角度 Drilling Angle	°	45~90	
	给进行程 Feeding Stroke	mm	3800	
	桅杆滑移行程 Sliding Distance of Mast	mm	1100	
主卷扬机 Main Hoist	单绳提升力 Single-wire Hoisting Capacity	kN	77	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	18	
	钢丝绳长度 Length of Steel Rope	m	60	
副卷扬机 Auxiliary Winch	单绳提升力 Single-wire Hoisting Capacity	kN	12	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	6	
	钢丝绳长度 Length of Steel Rope	m	1500	
泥浆泵 Mud Pump	型号 Model	/	BW-250	
下夹持器 Foot clamp	夹持范围 Clamping Scope	mm	55.5~117.5	通孔 Φ 154 Hole diameter
主机重量 Weight of Main Machine		t	13	
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)		mm	6250×2240×2750	运输尺寸 Transport Dimensions





YYDX-5E



- 1、三联串泵、主阀和马达均选用国际品牌纯进口件；
- 2、采用履带式底盘；
- 3、动力头采用卡盘式结构，动力头回转采用机械两档机构辅以液压无级调速，能实现主轴高精度回转，动力头给进与提升采用油缸直推给进机构，动力头还带有侧向平移机构；
- 4、桅杆采用油缸起落方式，可折叠，方便运输和存放，带有滑移触地功能；
- 5、液压系统采用负载敏感控制，主轴回转采用双马达驱动闭式回路，工作效率高，扭矩大；
- 6、桅杆带有上扶正和下扶正装置，孔口配有液压夹持器；
- 7、配有孔口工作平台和二层工作平台；
- 8、配有安全防护网；
- 9、配有液压搅拌器。
- 10、整体结构分履带式、平台式、轮胎式。

1. The triple hydraulic sees pump, the main valve and the motor are all selected and equlpped with famous intemational brands products.
2. The rig could move itself with crawler.
3. The drill head adopts a chuck type structure. The rotation of the drill head has two mechanical shafts, and it speed could be adjusted by hydraulic pressure with stepless speed change, which can achieve high-precision rotation of the spindle. Drill head is driven by cylinder directly and set with lateral translation mechanism.
4. The mast is lifted and lowered with oil cyinder and is foldable, it is easy for transportationand located with ground supports.
5. The hydraulic system adopts load sensitive control, and the rotation of the spindle is driven by dual motor with closed loop circuit, with high operation efficiency and big torque.
6. The mast is equipped with centering guide in its upper and lower part. A hydraulic clamp is adopted at the position above the drilling hole.
7. Equipped with an orifice working platform and two layer working platform.
8. Equipped with safety protection nets.
9. Equipped with a hydraulic mixer.
10. There are three types of overall structure: crawler, platform and tyre.



技术参数 Parameter

项目 Item	单位 Unit	参数 Parameter	备注 Remark
钻孔深度 Drilling Depth	m	BQ钻杆 BQ Rod	1500 Φ55.6mm
		NQ钻杆 NQ Rod	1300 Φ69.9mm
		HQ钻杆 HQ Rod	1000 Φ88.9mm
		PQ钻杆 PQ Rod	680 Φ114.3mm
动力头能力 Drill Head Capacity	转速 Rotary Speed	r/min	0~1100 两档无级调速 2 gear stepless speed adjustment
	最大扭矩 Max.Torque	N·m	5650
	立轴通孔直径 Hole Diameter of Spindle	mm	121
	最大起拔力 Max.Lifting Capacity	kN	180
	最大给进力 Max. Feeding Power	kN	90
柴油机 Diesel Engine	额定功率 Rated Power	kW	154
	额定转速 Rated Speed	r/min	2200 康明斯 Cummins QSB5.9-C210
桅杆 Mast	总高度 Mast Height	m	10.8
	调整角度 Adjusting Angle	°	0~90
	钻进角度 Drilling Angle	°	45~90
	给进行程 Feeding Stroke	mm	3800
	桅杆滑移行程 Sliding Distance of Mast	mm	1100
主卷扬机 Main Hoist	单绳提升力 Single-wire Hoisting Capacity	kN	77 第1层Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	18
	钢丝绳长度 Length of Steel Rope	m	60
副卷扬机 Auxiliary Winch	单绳提升力 Single-wire Hoisting Capacity	kN	12 第1层Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	6
	钢丝绳长度 Length of Steel Rope	m	1500
泥浆泵 Mud Pump	型号 Model	/	BW-250
下夹持器 Foot clamp	夹持范围 Clamping Scope	mm	55.5~117.5
主机重量 Weight of Main Machine		t	13
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)		mm	5780×2240×2500 运输尺寸 Transport Dimensions





YYDX-6



液压泵组、主阀、液压马达均选用国际品牌纯进口件；动力头给进和提升采用油缸链条倍速结构、长给进行程；主轴回转采用双马达驱动闭式回路，两档机械变速箱辅以液压无级调速；动力头离开孔口方式为平移式；桅杆用油缸起落，可滑移触地，可折叠；液压系统采用负载敏感控制；钢履带自行走；配有高位工作台和孔口工作台；配有液压支腿、上下导正装置；孔口配有液压夹持器，可选配数字化仪表监控系统。

Hydraulic pumps, main valve and hydraulic motor are all from famous international brands. Drill head feeding and lifting adopt double-speed driving device for the chain of the oil tank, with long-range feeding stroke. Drill head driven by double-motor and adopts enclosed hydraulic system, 2 grades mechanical shift gears and hydraulic operated stepless shift gears. The drill head leaves the orifice in a translational manner. Mast adopted hydraulic powered lift/down, with touchdown function, can be folded. Hydraulic system adopts sensitive load control, track walks. With high-position operation platform and orifice operation platform. With hydraulic support device. With high supporter and low guider devices. Orifice with hydraulic holder ptional gauges monitoring system.

技术参数 Parameter

项目 Item		单位 Unit	参数 Parameter	备注 Remark
钻孔深度 Drilling Depth	BQ钻杆 BQ Rod	m	2000	Φ55.6mm
	NQ钻杆 NQ Rod		1600	Φ69.9mm
	HQ钻杆 HQ Rod		1300	Φ88.9mm
	PQ钻杆 PQ Rod		1000	Φ114.3mm
动力头能力 Drill Head Capacity	转速 Rotary Speed	r/min	0~1100	两档无级调速 2 gear stepless speed adjustment
	最大扭矩 Max.Torque	N·m	6400	
	立轴通孔直径 Hole Diameter of Spindle	mm	121	
	最大起拔力 Max.Lifting Capacity	kN	220	
柴油机 Diesel Engine	最大给进力 Max. Feeding Power	kN	110	
	额定功率 Rated Power	kW	179	康明斯 Cummins 6CTA8.3-C240
桅杆 Mast	额定转速 Rated Speed	r/min	2200	
	总高度 Mast Height	m	11.2	
	调整角度 Adjusting Angle	°	0~90	
	钻进角度 Drilling Angle	°	45~90	
	给进行程 Feeding Stroke	mm	3800	
主卷扬机 Main Hoist	桅杆滑移行程 Sliding Distance of Mast	mm	1100	
	单绳提升力 Single-wire Hoisting Capacity	kN	120	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	22	
副卷扬机 Auxiliary Winch	钢丝绳长度 Length of Steel Rope	m	60	
	单绳提升力 Single-wire Hoisting Capacity	kN	12	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	6	
泥浆泵 Mud Pump	钢丝绳长度 Length of Steel Rope	m	1800	
	型号 Model	/	BW-320	
下夹持器 Foot clamp	夹持范围 Clamping Scope	mm	55.5~117.5	通孔Φ154 Hole diameter
主机重量 Weight of Main Machine		t	13.5	
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)		mm	6220×2200×2750	运输尺寸 Transport Dimensions





HCR-8

- HCR-8型全液压岩心钻机是在YYDX系列全液压岩心钻机研发、生产制造和用户使用反馈意见的基础上最新开发的一种高效多功能全液压岩心钻机。该机适应平原、丘陵地带、高温、严寒等恶劣环境下工作，主要适用于金属非金属固体矿床勘探、煤层气、天然气、水文水井、地热井、矿山坑道、通风排水孔及工程抢险施工，是广泛应用于地质、煤炭、冶金、有色、石油、水文、工程等行业，以金刚石和硬质合金钻进为主，满足绳索取心、顶驱钻进等多功能钻探要求的性能卓越的钻探设备之一。
- 1、全液压驱动，钢履带行走，组合式桅杆，动力机、主、副卷扬机、泥浆泵等一体布置，结构紧凑，集中操控灵活方便。
 - 2、液压系统采用先导控制，负载传感，电、液比例联合集中操作控制, 可选配靠架装置。
 - 3、动力头给进与提升采用油缸链条倍速结构，提升力达到 295kN，给进力达到152 kN。
 - 4、动力头主轴回转采用双马达驱动，辅以三档机械变速箱，主轴输出最大扭矩达到7200 N·m(170 rpm)，并有效地满足了高速大扭矩的高效施工要求。
 - 5、动力头采用液压马达齿条平移装置，使主轴偏离钻孔孔口，便于绳索取心和其它机具的施工。
 - 6、桅杆前端配有夹持卸扣器，便于钻杆的上卸扣操作，减轻了操作者劳动强度和提高工作效率。
 - 7、上下工作台方便操作者操作需求。
 - 8、孔口配有液压夹持器、导正器。

HCR-8 Full Hydraulic Core Rig -- an up-to-date Multifunctional and high capability product made by Lianyungang Huanghai Machinery Factory Co., Ltd. is a thoroughly new-type hydraulic core drilling developed with reference of YYDX-series Full Hydraulic Core Rig and feedback of clients. It is suitable to be used in plains, hills, as well as severe atmosphere places and conditions such as high temperature and cold weather. It is mainly used for metal & nonmetal solid mineral exploration and exploration of coal-bed methane, natural gas mining; hydrogeology well drilling, geothermal well drilling, mining gallery, ventilation and drainage of exploratory and emergency construction project. It can also be mainly used in the field of geology, metallurgy, coal mine, non-ferrous mining and oil, hydrological and engineering drilling. It's one of the multifunctional and excellent performance core rig by using diamond and carbide-tipped bits mainly and the same time it can meet the demand of wire-line coring and top drive, optional bracket device optional bracket device.

- 1. Full hydraulic drive, steel Crawlers, assembly type mast, the machine is integrated and compact for easy operation in structure consisting of power station, main hoist, wire line winch and mud pump, etc.
- 2. It is adopted dual pump and motor and closed-loop hydraulic circuits for rotation of unit head; and open-loop design is adopted for all other hydraulic transmission. It is adopted precursor control and load-sensing for the hydraulic system. The system is controlled by electro-hydraulic proportional integratedly and intensively.
- 3. The structure of doubling system between cylinder & chain is adopted for the feeding and lifting of drill head, i.e. with the function, if the piston rod of oil cylinder moving one certain distance, the spindle movement will double the distance. Lifting capacity and feeding capacity is separately upto to 295kN, 152kN .
- 4. Rotation of drill head spindle is driven by dual-motor with closed loop hydraulic circuits, aided with three-speed mechanical gearbox. Max torque of spindle out-put can be up to 7200 N·M(170rpm), and the torque at high speed is increased efficaciously.
- 5. Adopting translational device drived by hydraulic motor to the drill head, this make the spindle move away from the drilling hole thoroughly and this is easier for the wire-line coring operation and the in-hole work requirement.
- 6. Convenient for making-up and shackle in the duration of drilling, shackles is adopted in the front of mast. This will reduce the intensity labour of operator and increase the work efficiency.
- 7. It's easier for operators to get on and off the worktable and convenient for their operation on the panel.
- 8. The hydraulic clamp and centralizer are adopted to the top of drilling hole.

技术参数 Parameter

项目 Item		单位 Unit	参数Parameter	备注 Remark
钻孔深度 Drilling Depth	NQ钻杆 NQ Rod	m	3000	Φ69.9mm
	HQ钻杆 HQ Rod		2400	Φ88.9mm
	PQ钻杆 PQ Rod		1700	Φ114.3mm
动力头能力 Drill Head Capacity	转速 Rotary Speed	r/min	0～1250	三档无级调速 3 gear stepless speed adjustment
	最大扭矩 Max.Torque	N·m	7200	
	立轴通孔直径 Hole Diameter of Spindle	mm	121	
	最大起拔力 Max.Lifting Capacity	kN	295	
	最大给进力 Max. Feeding Power	kN	152	
柴油机 Diesel Engine	额定功率 Rated Power	kW	264	康明斯 Cummins QSL8.9-C360
	额定转速 Rated Speed	r/min	2200	
桅杆 Mast	总高度 Mast Height	m	14.7	
	调整角度 Adjusting Angle	°	0～90	
	钻进角度 Drilling Angle	°	45～90	
	给进行程 Feeding Stroke	mm	4700	
	桅杆滑移行程 Sliding Distance of Mast	mm	1100	
主卷扬机 Main Hoist	单绳提升力 Single-wire Hoisting Capacity	kN	120	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	22	
	钢丝绳长度 Length of Steel Rope	m	60	
副卷扬机 Auxiliary Winch	单绳提升力 Single-wire Hoisting Capacity	kN	15	第1层 Layer 1
	钢丝绳直径 Dia. of Steel Rope	mm	8	
	钢丝绳长度 Length of Steel Rope	m	2500	
泥浆泵 Mud Pump	型号 Model	/	BW-320	
下夹持器 Foot clamp	夹持范围 Clamping Scope	mm	55.5～117.5	通孔 Φ 154 Hole diameter
主机重量 Weight of Main Machine		t	25	
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)		mm	8165×2530×3030	运输尺寸 Transport Dimensions





YKD-5A



技术参数 Parameter

项 目 ITEM наименование		单位 UNIT единица	YKD-3B 参数 PARAMETERS параметр	YKD-4A 参数 PARAMETERS параметр	YKD-5A 参数 PARAMETERS параметр	YKD-8 参数 PARAMETERS параметр
钻孔深度(m) Drilling Depth (m) Глубина бурения (m)		BQ	400	600	900	1600
		NQ	300	480	750	1200
		HQ	200	350	500	700
电动机额定功率 Rated Power of Electromotor электродвигатель		kW	45	55	75	55+55
电动机额定转速 Rated Rotary Speed of Electromotor Скорость электродвигателя		r/min	1480	1480	1480	1480
回转速度 Rotary Speed Скорость вращения		r/min	0~1200	0~1200	0~1200	0~1200
动力头最大扭矩 Drill Head Rated Rotary Torque Крутящий момент		Nm	855	1000	1600	2400
提升力/给进力 Lifting Force/Feeding Force Грузоподъемность / Сила подачи		kN	60/30	90/90	90/90	135/135
动力头行程 Drill Head Feeding Stroke Ход подачи вращателя		mm	1800	1800	1800	1800
钻孔角度 Drilling Angle Угол бурения		°	0-180	0-180	0-180	0-180
系统压力 System Pressure Гидравлическая система давления		MPa	25	28	32	32
绳索卷扬机钢丝绳直径 Rope Dia. of Wire-line Winch Диаметр стального троса		mm	6	6	6	6
绳索卷扬机提升力 Single-wire Hoisting Capacity of Wire-line Winch Грузоподъемность канатной лебедки		kN	8	12	12	15
外形尺寸 Dimensions габарит	主机 Main Machine буровая установка	mm	3456*1290*1620	4220*1075*1740	4220*1075*1740	4000*1040*1840
	动力站 Power Unit силовая установка	mm	2530*1000*1550	2125*1140*1290	2125*1140*1290	2125*1140*1290
	操纵柜 Control Cabinet пульт управления	mm	870*450*1045	960*550*1050	960*550*1050	960*550*1050
重量 Weight вес	主机 Main Machine буровая установка	kg	1450	2200	2220	2900
	动力站 Power Unit силовая установка	kg	1140	1100	1200	1100+1100
	操纵柜 Control Cabinet пульт управления	kg	130	130	130	130

JDL280/XJDL280机械顶驱钻机

JDL-280/XJDL-280机械顶驱钻机是公司自主研发的一种集水钻、气钻功能于一体的钻凿设备钻机采用5速手动汽车变速箱，变速范围广、正反切换灵敏便捷，传动效率高，动力能耗大幅度降低，更加的高效、节能，解决了土层空气潜孔锤钻进困难，坚硬岩石层、砾石、卵石层回转钻机施工效率低的难题。

JDL-280/XJDL-280 mechanical top drive drilling rig is a drilling equipment independently developed by the company that integrates the functions of water drilling and pneumatic drilling. The drilling rig adopts a 5-speed manual automobile gearbox, which has a wide transmission range, sensitive and convenient forward and reverse switching, high transmission efficiency, and greatly reduced power energy consumption. It is more efficient and energy-saving, and solves the problem of difficulty in drilling with air down-the-hole hammers in soil layers and low construction efficiency of rotary drilling rigs in hard rock layers, gravel, and pebble layers.

- 1、采用机械顶驱动力头，实现泥浆钻进与气动潜孔锤钻进的功能集成
可提供高转速1120rpm及大扭矩（最大扭矩9800N.m），钻机钻进土层时可以使用无芯复合片或牙轮钻头配合泥浆钻进，在岩层中进行高速回转钻进，又可与空气压缩机及气动潜孔锤配套进行冲击钻进，在卵砾石等不稳定地层，采用跟管钻进钻具可进行跟套管钻进成孔。
- 2、钻机采用长行程倍速机构、机械动力头，动力头行程2500mm
提高钻进效率，减少堵钻、烧钻事故的发生。
- 3、钻机采用双联油泵供油，液压系统利用分流合流技术
钻进时用单泵，提下钻时用双泵合流，功率损耗少，辅助时间短。
- 4、钻机主轴采用机械传动
传动效率提高一倍、动力能耗大幅度降低，更加的高效、节能。

1. The mechanical top driving force head is used to realize the functional integration of mud drilling and pneumatic down-the-hole hammer drilling. It can provide high speed of 1120rpm and high torque (maximum torque of 9800N.m). The drill rig can use coreless composite when drilling into the soil layer. The disc or cone drill bit is used with mud drilling to perform high-speed rotary drilling in rock formations. It can also be used with an air compressor and a pneumatic down-the-hole hammer for impact drilling. In unstable strata such as pebbles, pipe drilling is used. The tool can be used to drill holes into the casing.

2. The drilling rig adopts a long-stroke double-speed mechanism and a mechanical power head. The power head stroke is 2500mm to improve drilling efficiency and reduce the occurrence of drill blockage and drill burning accidents.

3. The drilling rig uses dual oil pumps to supply oil. The hydraulic system uses splitting and merging technology to use a single pump when drilling and double pumps to merge when lifting down the drill. This results in less power loss and short auxiliary time.

4. The main shaft of the drilling rig adopts mechanical transmission, which doubles the transmission efficiency, greatly reduces power energy consumption, and is more efficient and energy-saving.



技术参数 Parameter

钻机型号	JDL-280	XJDL-280
整机重量 Total Weight	3800kg	4800kg
整机尺寸（运输状态） Overall machine size (transportation state)	4600*1900*2540mm	5600*1900*2600mm
整机尺寸（工作状态） Overall machine size (working status)	3800*2200*5700mm	3800*2300*7000mm
钻进角度 drilling angle.	90°	75-90°
水井钻深 water well drilling depth	200m	
NQ绳索取芯钻深 NQ rope core drilling depth	350m	
水井钻孔（钻头）直径 Water well drilling (drill bit) diameter	Φ 75-220mm	
动力头提升力 Power head lifting force	100kN	
动力头推进力 Power head propulsion	50kN	
动力头回转转速 Power head rotation speed	正转：33-1120rpm 反转：37-180rpm	
动力头最大回转扭矩 Maximum rotation torque of power head	9800N. m	
动力头推进行程 Power head propulsion stroke	2300mm	2500mm
配套钻杆直径 Matching drill pipe diameter	Φ 60、Φ 76、Φ 89mm NQ/HQ/PQ	
柴油机型号 Diesel engine model	云内YN27	云内YN27GBZ
额定功率/转速 Rated power/speed	42kW/2400rpm	58kW/2400rpm
钻机行走速度 Drilling rig traveling speed	0-2km/h	
钻机爬坡能力 Drilling rig gradeability	25-30°	
机械卷扬单绳提升力 Mechanical winch single rope lifting force	3Ton	
配套泥浆泵 Matching mud pump	BW160/BW200/BW250 (选配)	
履带型号 Track model	橡胶350mm*56节	钢制300mm*38节
履带承重力 Track bearing capacity	5000kg	6000kg





JDL350/XJDL350机械顶驱钻机

JDL350/XJDL350机械顶驱钻机是公司自主研发的一种集水钻、气钻功能于一体的钻凿设备钻机采用5速手动汽车变速箱，变速范围广、正反转切换灵敏便捷，传动效率高，动力能耗大幅度降低，更加的高效、节能，解决了土层空气潜孔锤钻进困难，坚硬岩石层、砾石、卵石层回转钻机施工效率低的难题。

JDL350/XJDL350 mechanical top drive drilling rig is a drilling equipment independently developed by the company that integrates the functions of water drilling and pneumatic drilling. The drilling rig adopts a 5-speed manual automobile gearbox, which has a wide transmission range, sensitive and convenient forward and reverse switching, high transmission efficiency, and greatly reduced power energy consumption. It is more efficient and energy-saving, and solves the problem of difficulty in drilling with air down-the-hole hammers in soil layers and low construction efficiency of rotary drilling rigs in hard rock layers, gravel, and pebble layers.

- 1、采用机械顶驱动力头，实现泥浆钻进与气动潜孔锤钻进的功能集成
可提供高转速901rpm及大扭矩（最大扭矩10500N.m），钻机钻进土层时
可以使用无芯复合片或牙轮钻头配合泥浆钻进，在岩层中进行高速回转
钻进，又可与空气压缩机及气动潜孔锤配套进行冲击钻进，在卵砾石等
不稳定地层，采用跟管钻进钻具可进行跟套管钻进成孔。
- 2、钻机采用长行程倍速机构、机械动力头，动力头行程3500mm
提高钻进效率，减少堵钻、烧钻事故的发生。
- 3、钻机采用双联油泵供油，液压系统利用分流合流技术
钻进时用单泵，提下钻时用双泵合流，功率损耗少，辅助时间短。
- 4、钻机主轴采用机械传动
传动效率提高一倍、动力能耗大幅度降低，更加的高效、节能。

1. The mechanical top driving force head is used to realize the functional integration
of mud drilling and pneumatic down-the-hole hammer drilling. It can provide high speed
of 901rpm and large torque (maximum torque 10500N, m). The drilling rig can use coreless composite when drilling into the soil
layer. The disc or cone drill bit can be used with mud drilling to carry out high-speed rotary drilling in rock formations. It can also
be used with air compressors and pneumatic down-the-hole hammers for impact drilling. In unstable strata such as pebbles, pipe
drilling is used. The tool can be used to drill holes into the casing.
2. The drilling rig adopts a long-stroke double-speed mechanism and a mechanical power head. The power head stroke is
3500mm to improve drilling efficiency and reduce the occurrence of drill blockage and drill burning accidents.
3. The drilling rig uses dual oil pumps to supply oil. The hydraulic system uses splitting and merging technology to use a single
pump when drilling and double pumps to merge when lifting down the drill. This results in less power loss and short auxiliary time.
4. The main shaft of the drilling rig adopts mechanical transmission, which doubles the transmission efficiency, greatly reduces
power energy consumption, and is more efficient and energy-saving.



技术参数 Parameter

钻机型号	JDL-350	XJDL-350
整机重量 Total Weight	6500kg	7000kg
整机尺寸（运输状态） Overall machine size (transportation state)	6300*2000*2600mm	6300*2000*2600mm
整机尺寸（工作状态） Overall machine size (working status)	3800*2400*7600mm	3900*2400*7800mm
钻进角度 drilling angle.	90°	75-90°
水井钻深 water well drilling depth	350m	
NQ绳索取芯钻深 NQ rope core drilling depth	600m	
水井钻孔（钻头）直径 Water well drilling (drill bit) diameter	Φ 75-220mm	
动力头提升力 Power head lifting force	120kN	
动力头推进力 Power head propulsion	85kN	
动力头回转转速 Power head rotation speed	正转：27-901rpm 反转：48-219rpm	
动力头最大回转扭矩 Maximum rotation torque of power head	10500N. m	
动力头推进行程 Power head propulsion stroke	3500mm	
配套钻杆直径 Matching drill pipe diameter	Φ 60、Φ 76、Φ 89mm NQ/HQ/PQ	
柴油机型号 Diesel engine model	云内YN27GBZ	云内YN27GBZ
额定功率/转速 Rated power/speed	58kW/2400rpm	65kW/2400rpm
钻机行走速度 Drilling rig traveling speed	0-2km/h	
钻机爬坡能力 Drilling rig gradeability	25-30°	
机械卷扬单绳提升力 Mechanical winch single rope lifting force	4.5Ton	
配套泥浆泵 Matching mud pump	BW160/BW200/BW250 (选配)	
履带型号 Track model	钢制300mm*38节	钢制400mm*40节
履带承重力 Track bearing capacity	6000kg	8000kg

JDL-5/XJDL-5机械顶驱钻机

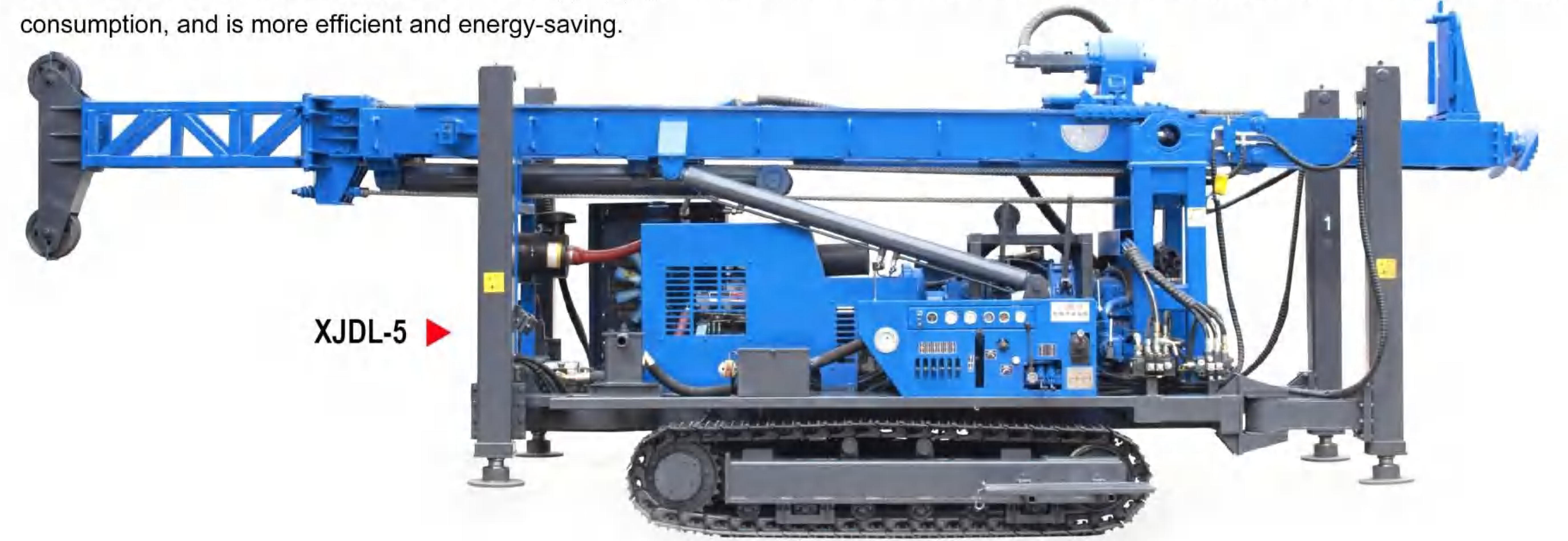
JDL-5/XJDL-5机械顶驱钻机是公司自主研发的一种集水钻、气钻功能于一体的钻凿设备钻机采用5速手动汽车变速箱，变速范围广、正反转切换灵敏便捷，传动效率高，动力能耗大幅度降低，更加的高效、节能，解决了土层空气潜孔锤钻进困难，坚硬岩石层、砾石、卵石层回转钻机施工效率低的难题。

JDL-5/XJDL-5 mechanical top drive drilling rig is a drilling equipment independently developed by the company that integrates the functions of water drilling and pneumatic drilling. The drilling rig adopts a 5-speed manual automobile gearbox, which has a wide transmission range, sensitive and convenient forward and reverse switching, high transmission efficiency, and greatly reduced power energy consumption. It is more efficient and energy-saving, and solves the problem of difficulty in drilling with air down-the-hole hammers in soil layers and low construction efficiency of rotary drilling rigs in hard rock layers, gravel, and pebble layers.

- 1、采用机械顶驱动力头，实现泥浆钻进与气动潜孔锤钻进的功能集成
可提供高转速1080rpm及大扭矩（最大扭矩12000N.m），钻机钻进土层时可以使用无芯复合片或牙轮钻头配合泥浆钻进，在岩层中进行高速回转钻进，又可与空气压缩机及气动潜孔锤配套进行冲击钻进，在卵砾石等不稳定地层，采用跟管钻进钻具可进行跟套管钻进成孔。
- 2、钻机采用长行程倍速机构、机械动力头，动力头行程3500mm
提高钻进效率，减少堵钻、烧钻事故的发生。
- 3、钻机采用双联油泵供油，液压系统利用分流合流技术
钻进时用单泵，提下钻时用双泵合流，功率损耗少，辅助时间短。
- 4、钻机主轴采用机械传动
传动效率提高一倍、动力能耗大幅度降低，更加的高效、节能。



1. The mechanical top driving force head is used to realize the functional integration of mud drilling and pneumatic down-the-hole hammer drilling. It can provide high speed of 1080rpm and high torque (maximum torque of 12000N.m). The drilling rig can use coreless composite when drilling into the soil layer. The disc or cone drill bit can be used with mud drilling to carry out high-speed rotary drilling in rock formations. It can also be used with air compressors and pneumatic down-the-hole hammers for impact drilling. In unstable strata such as pebbles, pipe drilling is used. The tool can be used to drill holes into the casing.
2. The drilling rig adopts a long-stroke double-speed mechanism and a mechanical power head. The power head stroke is 3500mm to improve drilling efficiency and reduce the occurrence of drill blockage and drill burning accidents.
3. The drilling rig uses dual oil pumps to supply oil. The hydraulic system uses splitting and merging technology to use a single pump when drilling and double pumps to merge when lifting down the drill. This results in less power loss and short auxiliary time.
4. The main shaft of the drilling rig adopts mechanical transmission, which doubles the transmission efficiency, greatly reduces power energy consumption, and is more efficient and energy-saving.



技术参数 Parameter

钻机型号	JDL-5	XJDL-5
整机重量 Total Weight	11500kg	12000kg
整机尺寸（运输状态） Overall machine size (transportation state)	6300*2000*2650mm	6300*2000*2800mm
整机尺寸（工作状态） Overall machine size (working status)	3800*3250*8500mm	4200*3600*8800mm
钻进角度 drilling angle.	90°	75-90°
水井钻深 water well drilling depth	500m	
NQ绳索取芯钻深 NQ rope core drilling depth	800m	
水井钻孔（钻头）直径 Water well drilling (drill bit) diameter	Φ 75-220mm	
动力头提升力 Power head lifting force	240kN	
动力头推进力 Power head propulsion	180kN	
动力头回转转速 Power head rotation speed	正转：43-1080rpm 反转：47-144rpm	
动力头最大回转扭矩 Maximum rotation torque of power head	14000N.m	
动力头推进行程 Power head propulsion stroke	3500mm	
配套钻杆直径 Matching drill pipe diameter	Φ 60、Φ 76、Φ 89、Φ 102mm NQ/HQ/PQ	
柴油机型号 Diesel engine model	云内YN48GBZ	
额定功率/转速 Rated power/speed	92kW/2400rpm	
钻机行走速度 Drilling rig traveling speed	0-2km/h	
钻机爬坡能力 Drilling rig gradeability	20°	
机械卷扬单绳提升力 Mechanical winch single rope lifting force	8Ton	
配套泥浆泵 Matching mud pump	BW160/BW200/BW250 (选配)	
履带型号 Track model	钢制400mm*43节	
履带承重力 Track bearing capacity	8000kg	





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- 我们拥有一支专业的售后服务团队，精通产品知识和技术，并为客户提供全方位、高效、友好的售后服务。
- We have a professional after-sales service team, proficient in product knowledge and technology, and provide customers with comprehensive, efficient, and friendly after-sales service.

一、服务保证 (Product Features)

- 1.快速响应：**我们承诺在接到客户的售后服务请求后的24小时内作出回应，并且在最短的时间内解决客户的问题。
- 2.专业技术支持：**我们的售后服务团队由一群经验丰富、技术能力强的专业人员组成，他们了解产品且有多年的服务经验，可以针对各种技术问题进行解答和解决。
- 3.解决方案个性化：**我们会针对每一个客户的问题进行个性化解决方案的制定，确保解决方案与您的特定需求相匹配。
- 4.质量保证：**我们严格按照行业ISO9001国际质量管理体系的要求，确保提供给客户的售后服务达到高品质标准。

1. Quick response: We promise to respond within 24 hours after receiving customer after-sales service requests and solve customer problems in the shortest possible time.
2. Professional technical support: Our after-sales service team is composed of a group of experienced and technically capable professionals who understand the product and have many years of service experience. They can answer and solve various technical problems.
3. Personalized solutions: We will develop personalized solutions for each customer's problem to ensure that the solutions match your specific needs.
4. Quality assurance: We strictly follow the requirements of the ISO9001 international quality management system in the industry to ensure that the after-sales service provided to customers meets high-quality standards.

二、服务内容 (Service content)

- 1. 产品安装指导：**为了确保产品的正确安装和使用，我们将为客户提供详细的产品安装指导和使用说明书。
- 2. 故障解决：**如果客户在使用过程中遇到产品故障或问题，我们的售后服务团队将随时提供电话、电子邮件、传真、软件等方面服务，为客户提供快速、准确的解决方案。
- 3. 维修与更换：**在产品保修期内，如果客户的产品出现非人为损坏或制造缺陷，我们将提供免费的维修和更换服务。
- 4. 售后咨询：**无论客户在产品的购买、使用或售后服务方面有任何疑问，我们的售后服务团队将随时为您提供专业的咨询和解答。

1. Product installation guidance: In order to ensure the correct installation and use of the product, we will provide customers with detailed product installation guidance and user manuals.
2. Troubleshooting: If customers encounter product malfunctions or problems during use, our after-sales service team will provide phone, email, fax, software and other services at any time to provide customers with fast and accurate solutions.
3. Maintenance and replacement: During the product warranty period, if the customer's product suffers from non-human damage or manufacturing defects, we will provide free maintenance and replacement services.
4. After sales consultation: Regardless of any questions customers may have regarding the purchase, use, or after-sales service of the product, our after-sales service team will provide you with professional consultation and answers at any time.

三、服务流程 (Service Process)

- 1.提交服务请求：**客户可以通过电话、电子邮件或在线提交服务请求。
- 2.售后服务响应：**我们的售后服务团队将在24小时内与客户取得联系，确认客户的服务请求，并提供进一步的指导。
- 3.故障排查与解决：**根据客户的具体问题，我们的售后服务团队将针对性地进行故障排查与解决，确保问题得到快速解决。
- 4.维修或更换：**如果故障无法通过远程解决，我们将为客户安排维修或更换服务。我们将尽力缩短整个流程所需的时间，以减少客户的不便。

1. Submit service request: Customers can submit service requests by phone, email, or online.
2. After sales service response: Our after-sales service team will contact customers within 24 hours to confirm their service requests and provide further guidance.
3. Troubleshooting and resolution: Based on the specific problems of customers, our after-sales service team will conduct targeted troubleshooting and resolution to ensure that the problems are quickly resolved.
4. Repair or replacement: If the malfunction cannot be resolved remotely, we will arrange repair or replacement services for the customer. We will do our best to shorten the time required for the entire process to minimize inconvenience for customers.



Customers from all over the world are
welcome to visit our company!

山东益矿钻采科技有限公司
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