



国际市场 International sales network

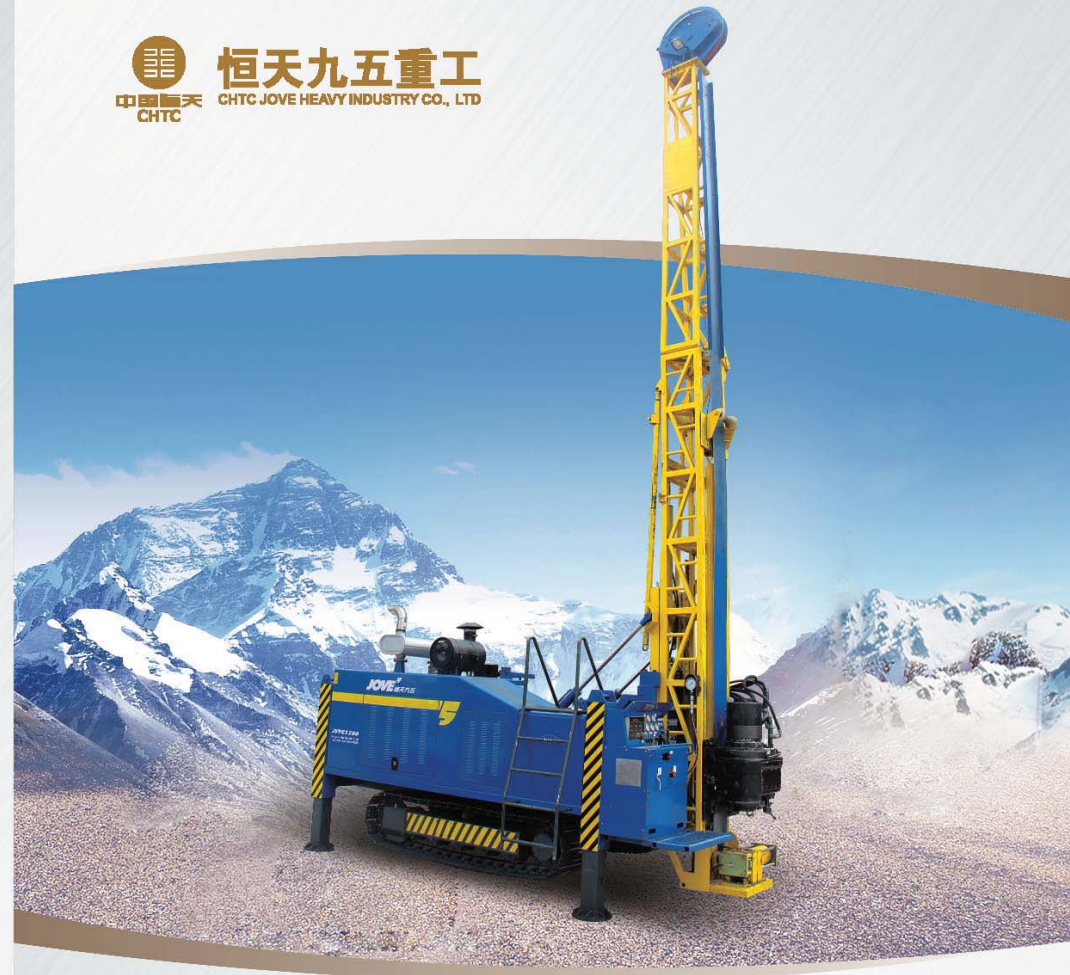
**恒天九五重工有限公司**  
CHTC JOVE HEAVY INDUSTRY CO., LTD

地址: 湖南长沙经济开发区东六路3号 邮编: 410100  
 销售热线: 0731-82398626 服务热线: 0731-83990095  
 传真: 0731-82398627 (国内业务)  
 邮箱: chtcjove@chtcjove.com  
 全国客服热线: 400-750-9595

Address: No.3, Dongliu Rd. Changsha Economic Development Zone, Hunan, China.  
 Post code: 410100  
 ☎ 0086-731-82398626  
 📠 0086-731-82398627 (International business)  
 ✉ International@chtcjove.com

[www.chtcjove.com](http://www.chtcjove.com)

恒天九五重工有限公司保留所有权利。对产品的修改或补充恕不另行通知。本宣传册的最终解释权归恒天九五重工有限公司。  
 Please read the manual book and maintenance book before operation. Changes are periodically added to this information, and CHTC JOVE Heavy Industry Co., Ltd. may change the products or services described in this book at any time without announcement. All rights of the manual book reserve to CHTC JOVE Heavy Industry Co., Ltd.



**全液压履带式地表取芯钻机 (岩芯钻机)**  
 Full Hydraulic Crawler ground surface core drilling rig



中国恒天集团 (北京总部)  
CHTC(Bei Jing Head office)



惠悦于民 恒达天下  
FOR THE PEOPLE, FOR THE LIFE

一流勘探设备制造商  
The First Class Drilling Equipment Supplier



## 企业简介 Company Profile

恒天九五重工有限公司, 是央企中国恒天集团有限公司所属企业, 是国家重点支持的, 以设计、生产、销售工程机械、新型纺织机械和新材料装备为主业的高新技术企业。公司自 2007 年 2 月创立以来, 凭借不断创新的和以人为本的管理迅速崛起, 从成立当年 3.4 亿元销售产值发展到 2011 年 16 亿元销售产值, 总资产 20 亿元。公司主营的工程机械、新型纺织机械和新材料装备, 所有产品符合国家战略发展规划和装备制造业发展总体规划方向。工程机械主要有挖掘机、静力压桩机、长螺旋钻机、旋挖钻机、多功能电液钻机、自支撑打桩机(河堤打桩机)、水平定向钻机、岩心钻机、高空作业车; 新型纺织机械和新材料装备主要有高技术、低能耗、低排放新型染整成套设备和碳纤维、高分子聚乙烯、高强高模碳纤维、芳纶涤纶短纤维材料等新材料成套设备。产品性能稳定可靠, 在行业中处于国内领先地位, 畅销全国, 出口全球 30 多个国家和地区。

公司系国家“重点高新技术企业”、“湖南省推进新型工业化”、“双百”工程项目企业、“湖南省”重点建设项目”企业。公司拥有一个国家级技术中心分中心, 3 个省级技术中心, 一个省级工程中心, 申请专利 300 多项, 178 项已获授权。公司先后承担国家级、省级科研项目 20 多项, 多次获得政府知识产权方面的奖励, 多项科技创新成果居国内领先, 多项产品获国家标准委员会颁发的《采用国际标准产品标志证书》, 先后主持和参与制定工程机械、纺织机械产品国家标准 10 多项。企业研发能力与生产能力、发展速度和成长性在湖南省工程机械行业和全球纺织机械行业中名列前茅。

2012 年 8 月份, 公司在长沙经开区东十一路占地 300 亩的“恒天九五产业园”已经启用, 而占地 1500 亩的更大规模的恒天九五工业城正在规划中。“十二五”期间, 恒天九五重工将紧紧围绕装备技术研发和企业核心竞争力这条主线, 大力发展挖掘机、桩工机械、非开挖设备、新型纺织机械、新材料装备、包装机械和农业机械等产业项目, 到“十二五”末, 实现年销售收入超过 100 亿。充分利用中国恒天集团的资源优势, 产业全面升级, 做强做优, 将公司打造成为国际一流企业。

CHTC JOVE HEAVY INDUSTRY CO., LTD is the subsidiary of State-owned Corporation CHTC Group and a national support high-tech enterprise in research, production and sales for construction machinery, new textile machinery and new materials equipment. CHTC JOVE has developed quickly based on its advanced technology and human-oriented management. The output value grows from 340 million RMB since establishment in the year of 2007 to 1.6 billion RMB in the year of 2011. Total assets reach up to 2 billion. CHTC Group's major products including construction machine, textile and new materials machine all meet the national strategic plan and future development direction. Construction machine series cover Excavator, Static Hydraulic Pile Driver, Long Spiral Drilling Rig, Rotary Drilling Rig, Multi Function Drilling Rig, self-supporting pile driver (river wall pile driver), Horizontal Directional Drilling Rig, Core drilling rig and Aerial work carriage. Textile and new materials machines are high-tech, low-power, low emissions of new dyeing equipment and carbon fiber, polyethylene, high strength modulus vinylon, aramid fibers, polyester staple manufacturing equipment. With stable and reliable performance, we enjoy high reputation in those areas and products sold well in domestic and abroad.

As a high-tech group in China, CHTC JOVE is the member of Double-hundred new Industrialization plan, Provincial Priority Support Company. It owns one national-class institution, three provincial institutions, applied for over 300 patents and 178 of them get the authority. Moreover, it has undertaken more than 20 research projects and won government awards on Intellectual property issued by the State Committee of Standardization and adopted International Standard Product Manufacturing Certificate, participated in formulating more than 10 national standards on construction machinery and textile machinery. R & D capabilities, production capacity and growth rate are made remarkable achievements.

In August 2012, "CHTC JOVE industry park" had been put into operation which covered an area of 300 acres, located in East 11 Road, Economic and technological development Zone, Changsha, while the larger area of 1500 acres of the "CHTC JOVE Industrial city" is under planning. During the 12th Five-Year Plan, CHTC JOVE will constantly develop and improve our excavator, piling machinery, trenchless equipment, new textile machinery, new materials equipment, packaging machinery and agricultural machinery. At the end of the 12th Five-Year Plan, the annual sales income will achieve more than 10 billion. Fully use of resources of CHTC Group, our goal is to build a world-class enterprise by comprehensive industrial upgrading.



## 公司荣誉

### Company Honors

公司是湖南省“高新技术企业”、“湖南省推进新型工业化‘双百’工程项目企业”、湖南省“重点建设项目”企业、湖南省2010年度“小巨人”计划企业、长沙市“成长之星”企业、湖南省著名商标，分别是湖南省科技厅和长沙市科技局的“科技计划项目企业”，2008年和2009年有4个项目获科技部“科技型中小企业技术创新基金”中立项支持。

CHTC JOVE Heavy Industry Co., Ltd. is a high-tech group in China. CHTC JOVE is the member of Double-hundred New Industrialization plan, Provincial Priority Support Company and also the super new star in China construction machinery industry. JOVE brand is listed on China famous brand. We have 4 projects getting political and financial support from the national Ministry of Science and Technology in 2008 and 2009.

## 权威认证 品质保证

### Authority Certification, Quality Assurance

公司按照 GB/T19001-2000idt ISO9001: 2000 质量管理体系标准，建立、实施和保持质量管理体系，已获得《ISO9001 质量管理体系认证证书》，申请专利 300 多项，178 项已获授权；公司先后承担国家级、省级科研项目 20 多项，多次获得政府知识产权方面的奖励，科技创新成果居国内领先，多项产品获国家标准化委员会颁发的《采用国际标准产品标志证书》。

In accordance with GB/T19001-2000idt ISO9001: 2000 quality management system standards, our company establish, implement and maintain the quality management system. We have obtained "ISO9001 quality management system certification", applied for 300 patents (more than 178 patents have been approved, and half of them are invention patents) and got intellectual property prizes. Scientific and technological innovation is moving ahead and a number of our products are awarded "Adopting International Standard Certificate" issued by the State Committee of Standardization.



## 高素质的研发团队

### Advanced R & D Team

公司拥有高素质的技术开发团队，荟萃了一批国内外知名工程机械企业的精英人才，处于行业领先水平。取得多项专利证书，并与多所高校的产学研合作，为企业的可持续发展提供强有力的保证。

With a skilled technical development team and a number of well-known talents in construction machinery area, we are standing at the leading level. We get a number of patent certificates and cooperate with colleges and universities, which provide the sustainable development of our enterprises.



2012 恒天九五全球首创新产品发布会  
2012 CHTC JOVE Global origination new product launch conference



技术研发中心  
R & D Center

## 强大的营销服务网络

### Efficient Marketing & Service Network

公司拥有强大的销售与服务队伍，以客户为首要服务目标。销售与服务网点布满中国及全世界各主要城市，形成了完善的销售与网络体系。恒天九五以最快捷的速度、最过硬的技能、最诚挚的态度迎来了每一位恒天九五产品用户的好评。

CHTC JOVE has strong sales and service teams. Sales and service outlets are in major cities in China and also around the world. With efficient service, excellent skills and sincere attitudes, CHTC JOVE gets very good reputation from customers.

## 拥有一批世界先进机械加工与检测设备

### Installed with world advanced testing and machining units



500T 折弯机  
500T Bending Machine

等离子切割机  
Plasma Cutting Machine

剪板机  
Guillotine Shears



深孔镗  
Deep Hole Boring

数控车床  
NC Lathe

镗床  
Boring Machine



磨床  
Grinder

德国产激光切割机  
German Laser Cutting

自动焊机床  
Automatic Welding Machine



2012年8月公司在长沙经济开发区东十一路占地300亩的“恒天九五产业园”落成投产

In August 2012, "CHTC JOVE Industry Park" had been put into operation which covered an area of 300 acres, located in East 11 Road, Economic and technological development Zone, Changsha.



邵阳生产基地  
Shaoyang Production base



衡阳生产基地  
Hengyang Production base



无锡生产基地  
Wuxi Production base



常德生产基地  
Changde Production base



益阳生产基地  
Yiyang Production base



浏阳生产基地  
Liuyang Production base

## 对外交流 Foreign Exchange

恒天九五岩芯钻机盛装亮相2012上海宝马展  
CHTC JOVE Core drilling rig showed in bauma China 2012



岩芯钻机  
Core drilling

## 关于岩芯钻机

### Introduction Of Core Drilling Rig

动力头式全液压岩芯钻机是全液压钻机的一种形式。它除了具有全液压钻机的一般特点外,还采用液压马达及简单的齿轮减速箱构成动力头,直接带动钻具回转,同时采用长油缸控制给进和提升钻具,不仅使动力头可以随钻具上下运动,减少钻进过程中的“倒杆”次数,有得保护岩层及减少钻进孔内事故,而且由钻塔(桅杆)、卷扬机和钢丝绳等组成的提升机构,减轻了设备的重量。相较于传统机械传动的岩芯钻机,全液压式岩芯钻机进给率大幅度提高,液压系统驱动,有利于形成自动化和仪表化,方便施工人员进行钻进操作。我公司在务内外同行优秀产品的基础上,自主开发了 JYVC 系列全液压岩芯钻机,适用于金刚石绳索取多种钻深工艺,拥有精准的钻压控制,泥浆流量根据钻进地质条件调节,多点压力表,可以监控多个系统工作状态。

Power head full-hydraulic core drilling rig is a model of full-hydraulic core drilling rig. It has the general characteristics of full-hydraulic core drilling rig, but also adopts hydraulic motor and simple gear reducer box to constitute the power head, directly drives drilling tools rotating, meanwhile it adopts long cylinder control pushing and upgrading drilling tools, power head can move up and down with drilling tools, and reduce "down rod" times in drilling process, it's good to protect the core and reduce drilling hole accidents; and the lifting mechanism consisting of rigs(mast),hoist and wire rope, ect. can reduce the weight of the equipment. Compared with the traditional mechanical drive core drilling rig, drilling efficiency of new full-hydraulic core drilling rig has greatly improved, hydraulic system drive is good for formation of automation and Instrumentation, which is convenient for drilling operation. Our company developed JYVC1500 full hydraulic core drilling rig with advanced technology which is based on same excellent products of domestic and foreign manufacturers, JYVC can be adopted to diamond wire rope and many other drilling technologies with accurate drilling pressure control, and its mud pump flow can be adjusted as per the drilling geological conditions, its Multi-point pressure gauge supply the advantages to monitor the working situation of many systems.



## 产品的主要技术特性

### Product Main Technical Characteristics

#### 液压系统 Hydraulic System

柴油机联接分动箱驱动两组串联泵,组成三个工作回路。主泵采用直接驱动动力头上双马达使主轴回路的闭式回路。动力头的快速移动、履带行走、泥浆泵和主副卷扬的工作由两负载敏感组成的开式回路来完成。双联齿轮泵桅杆体滑移、桅杆起落、液压支腿伸缩、孔口夹持器开合、液压卡盘开合、动力头滑移工作和搅拌马达工作,同时为动力头调整升降、主卷扬承运打开以及动力头回转变速控制系统提供压力油。系统设计集开式、闭式回路的优势于一体,同时主要部件选用国际一流液压元件生产商配套,大大提高了产品性能的可靠性。

Diesel engine connecting gear box drive two sets of pumps in series, consisting of three working circuit. Main pump direct drive power head motor so that the spindle rotary double closed loop. Power head of fast moving, crawler, mud pump and main and auxiliary hoisting work from two load sensing pump composed of open loop to complete. Double gear pump to complete the mast body sliding, mast, hydraulic support telescopic landing gear, gripper opening and closing orifice, hydraulic chuck opening and closing, power head slip and stirring motors work, at the same time as the power head of high speed elevator, main hoist servo open and the power head motor rotating speed control system with pressure oil. System design of open, closed loop advantages in one, at the same time the main component of international first-class selection of hydraulic components manufacturer supporting, greatly improve the reliability of the product.



泵组  
Pump group

#### 给进系统 Feeding System

作为核心工作机构的给进系统采用液压油缸直接给进方式,长行程确保了高效的给进效率。动力头旋转采用 2 个大扭矩的萨曼液压马达,提供大扭矩的同时也能确保较大的转速范围。液压卡盘采用五点夹持方式,卡瓦镶有高性能耐磨合金片,夹持钻杆时能提供充足的扭矩,夹持平稳。加上辅助给进的高性能泥浆泵送系统及强力的泥浆搅拌系统,整体的给进系统性能优越,适用于广大客户群体及各种地质情况和勘探工作。

Pushing system as the core working structure adopts hydraulic cylinder direct pushing method, long stroke ensures high pushing efficiency. Power head rotation adopts two Sany motor with big torque to provide big torque and ensure big torque and ensure big rotary speed range. Hydraulic chuck adopts five-point clamping method, kava is set with high-performance wear-resistance alloy, which can provide sufficient torque when gripping the drill pipe, clamping smoothly. The pushing system of the rig has high performance with auxiliary drilling high-performance mud pumping system and strong mud mixing system, which can apply to customers and exploration work of various geological conditions.



## 控制系统 Control System

集智能化的控制系统及人性化的显示面板为一体的可旋转操纵合,使操纵者能快速便捷的对机器进行操控。各操纵手柄旋钮均采用进口配置,带有摩擦定位功能,安全性能高同时也大大提高了操控的稳定性。显示仪表等具有防震、高密封性等显著优越性能,为操纵者精确的反应机器运行状态。机器的液压管路、液控阀组、电气开关线路等排布整齐合理,排查故障简单明了,从而保证了控制的精确性及高效性。

Rotating console combined intelligent control system with humanistic display panel, which allows manipulator quickly and easily manipulating the machine. All the control handle rotary knob are imported, with friction positioning function, which has high safety performance and greatly improves the stability of manipulation. Display instrument has seismic restraint, high leak tightness and other significantly superior performance, which precisely response the machine operating status to manipulator. The arrangement of hydraulic piping, hydraulic control valve control, electrical switching circuit is neat and reasonable, troubleshooting is straightforward to ensure the accuracy and efficiency of control.



操纵显示面板  
The manipulation of display panel

## 卷扬机系统 Hoist System

本机的卷扬机在国内一流专业卷扬生产厂家定制,容量、收放绳速度等均根据机器相关部件性能设定。主卷扬在动力头钻进时会随动放绳,确保钻机工作稳定有效,采用欧洲钢缆高性能钢丝绳。副卷扬具有调整放绳取芯性能,采用德国法尔普 6mm 耐磨钢丝绳。专业的压绳结构,确保工作中钢丝绳的排布整齐,将跳绳、卡绳现象将到最低限度。主副卷扬单绳提升能力能满足任何地质、工况下的钻机提升超越的需求。

The hoist is customized in domestic first-class professional manufacturer, rope capacity, retractable rope speed are set according to related components performance. The main hoist put rope with the drilling of power head, to ensure stable and different work, and adopts European cable wire rope. Auxiliary hoist has high-speed putting rope coring performance, adopts German Faer PU 6mm wear-resistant steel wire rope. Professional pressure rope structure ensures that neat arrangement of rope when working, to minimize jumping rope and wedging rope performance. Single rope lifting capacity of main and auxiliary hoist can meet the hoisting needs of drilling tools under any geological conditions.



主副卷扬  
Main and auxiliary winding

## 动力系统 Power System

动力系统是设备的核心,发动机功率和主油泵的选用必须匹配合理才能最有效地发挥设备的效率,我们正是基于这一原则,采用计算机模拟工况设备计算,在计算机给出的恒功率曲线,系统压力与泵排量关系曲线最合理。柴油机采用康明斯涡轮增压中冷工程机械专用柴油机,动力强劲,噪声小,排放低。

Power system is the heart of equipment, only the reasonable match of engine power and the main oil pump can effectively give full scope to the efficiency of rig, based on this principle, we adopt computer simulation conditions design calculations, under constant power curve given by computer, the curve of system pressure and pumping displacement is the most reasonable. Diesel engine adopts Cummins turbocharging with inter-cooling construction machinery special engine with strong power, low fuel consumption, low noise and low emissions.



安装后的柴油机  
After the installation of the diesel engine



## JVYC1500 技术规格 JVYC1500 Multi Function

### 具有高度灵活性和适用性的岩芯钻机 Technical specification Flexible enough to take on almost any job

JVYC1500 型是 JVYC 系列岩芯钻机中的一款经典机型，是恒天九五重工新一代高品质岩芯钻机，其将高生产力与恰当的生命周期成本结合在一起。JVYC1500 是 JVYC 系列中拥有最灵活尺寸的岩芯钻机。专为固体矿藏地表取芯作业而设计，适用于金刚石绳索取心等多种高效钻探工艺方法。钻机的所有功能均为液压驱动，操作方便，控制精准，搬迁方便，取芯作业率高，取芯率高。

The JVYC1500 surface core drilling rig is part of the JVYC range, a new generation of CHTC JOVE quality drilling rigs that combine productivity with a favorable life cycle cost. JVYC1500 represents the most flexible rig size in the JVYC range.

### 安全，符合人体工程学 Safe and ergonomic

标准的整机设有紧急制动按钮：

防护网可以保护岩芯钻机操作人员，将其与动力头隔开

通过友好 直观的的用户控制面板，操作者能够专注钻探作业，更好的根据个人感觉操作

- Two E stops on the drill unit are standard and JVYC 1500 has another E stop for the Radio Remote Control.
- Drill operators are protected from the rotation unit by a safety cage.
- Possible to operate by feel while focusing on the drilling operation, thanks to the operator friendly control panel.

### 钻机尺寸灵活多变 Flexible drilling rig size

结构紧凑，利用模块化设计达到最佳空间利用率

折叠式顶部桅杆可以拆卸，方便短途运输

- Compact structure, giving excellent space utilization using fitted modules.
- Foldable 2-section mast simplifies short distance transport of the rig.

### 可靠性，动力强劲 Reliable and powerful

一个动力强劲的主卷扬

配备经久耐用的氮气弹簧夹持器，可满足 BQ 至 PQ 钻杆以及最大至 HW 套管。

可靠强劲、成熟稳定的高速动力头，配有 2 档变速的齿轮箱在高扭矩下可以提供快速穿透力；

康明斯低排放发动机（160 千瓦），可以提供足够的动力，确保高速完成钻进。

JVYC 1500 is equipped with:

- A powerful main hoist.
- A rod holder with a long-life gas cartridge that handles rods from BQ to PQ size and casing up to HW.
- A proven and reliable rotation unit with 4-speed gear box that can generate the high rates of penetration with very high torque when it is required.
- A reliable power unit, Cummins engine, which brings out the full capacity of the rig, resulting in higher penetration rates to the bottom of the hole.

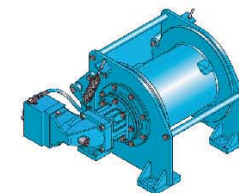
## 规格 Specifications

### 主卷扬 Main hoist

强劲的主卷扬，配有一个液压马达和双刹车系统，确保速度平稳。双刹车系统可供动态和静态刹车。提升完成后，将施行牢固自锁。

The powerful main hoist, equipped with a hydraulic motor and a dual brake system, ensures a well-controlled speed. The dual brake system offers both dynamic and static braking. When the lifting operation is stopped, firm self-locking is applied.

提升拉力 Single line capacity Bare drum	单空线鼓: 100kN
提升速度 Line speed Bare drum	空线鼓 45m/min
钢丝绳尺寸 Cable size	P20mm



### 打捞器卷扬 Wireline hoist

打捞器卷扬配有先进的技术速度控制系统，保证更安全的操作。

The wireline hoist has a high level of speed control to ensure safe and consistent operation.

钢丝绳容量 Capacity	150mm 6mm
提升拉力 Line pull	单绳空线鼓 Bare drum: 15kN
提升速度 Line speed	空线鼓 Bare drum: 120m/min

### 桅杆和给进系统 Mast and feed system

给进行程 Feed travel	3.3m
给进速度 Feed speeds	快速和慢速，带变速控制 Fast and slow with variable control
给进力 Thrust	57kN
垂提力 Pull	157kN
钻进角度 Drilling angle	垂直向下至水平向下 45 度 45 degrees
钻杆提拔长度 Rod pull length	9M

### 动力站 Power unit

品牌 Manufacturer	东风康明斯 Cummins
型号 Model	6CTA8.3-C215
排量 Volume	8.3升 6缸 8.3 liter 6 cyl.
功率 Power	160KW
转速 RPM	2200rpm
发动机类型 Engine type	涡轮增压后冷式电喷柴油发动机 Diesel turbocharged/after cooled
冷却方式 Cooler type	水冷 Cooling Water
电气系统 Electrical system	24V (交流发电机 24V, 95Amp) (alternator 24 V, 95 Amp)

### 液压系统 Hydraulic system

主泵 Primary pump	38MPa-75cc/R
副泵 Secondary pump	20MPa-90cc/R
辅助泵 Auxiliary pump	21.5MPa-38cc/R
液压油冷却器 Hydraulic oil cooler	风冷 Air-cooled



### 回转动力头 Rotation unit

回转动力头可以满足 BQ 至 PQ 钻杆以及 BW 至 HW 套管。它由一个液压马达、一个密封的齿轮箱、一个空心轴和恒天九五专利的液压卡盘，以及可快速更换的卡盘爪组成。旋转速度可从控制面板调节。

The rotation unit can handle BQ-PQ rods and BW-HW casing. It consists of a hydraulic motor, a sealed gearbox, a hollow spindle and an CHTC JOVE patented hydraulic chuck, and quick change chuck jaws. The rotation speed is adjustable from the control panel.

动力 Power	变速 / 正反转液压马达 Hydraulic motor - variable speed/reversible	
主轴通孔内径 Spindle (inner diameter)	118mm	
转速选择 Range selection	操作员控制台手动控制 Manual control from operator's station	
铰接式动力头 Hinged head	移开式 Swing away	
<b>动力头 Power head</b>		
1 档 Gear (转速 Rotary speed / 扭矩 Torque)	6-394rpm/5010-1961Nm	
2 档 Gear (转速 Rotary speed / 扭矩 Torque)	19-1268rpm/1530-600Nm	
<b>变速箱 Gear box</b>		
操作台 Operation desk	快慢 2 档 Quick and slow 2 gears	快档 Quick gears 22-1109r/m
		快档 Quick gears 69-390r/m

### 卡盘组件 Chuck assembly

类型 Type	液压开启, 气压闭合 Hydraulically opened, spring closed
最大内径 Maximum inside diameter	118mm
持重 Holding capacity	20143 KG



### 钻杆夹持器 Rod Holder

钻杆夹持器采用液压开启, 液压关闭。在液压亏损的情况下, 钻杆夹持器立即关闭。气压方便监测。

The rod holder is hydraulically opened and closed by gas pressure. In case of loss of hydraulic pressure, the rod holder closes instantly. The gas pressure can be conveniently monitored.

类型 Type	液压开启, 氮气弹簧闭合 Hydraulically opened, gas spring closed
最大内径 Maximum inside diameter	121mm
夹持能力 Holding capacity	13000KG

### 钻机底盘 Drill base supports

支腿 Jack	4 个液压支腿 Support 4 hydraulic jacks
支撑板直径 Pad diameter	200/360mm
油缸行程 Travel length	480mm
履带式钻机 Crawler mounted rig	
最大移动速度 Max speed	2.5Km/h
重型履带宽度 Heavy duty crawler tracks wide	400mm

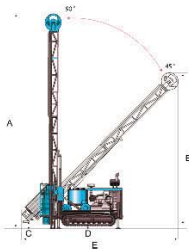


## 尺寸和重量

### Measurement and weight

#### 工作尺寸 Working measurement

尺寸 Measurement	mm
A	10500
B	7500
C	200
D	206
E	8670



#### 钻孔深度 Drilling depth

钻杆规格 Specification of rod	m
B	1550
N	1200
H	800
P	580

深度基于均质土层垂直向下钻进

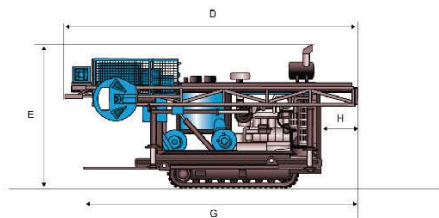
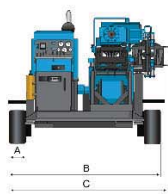
Such depth is based on normally soil drilling in vertical.

#### 重量 Weight

JVYC1500 含 Trid240 泥泵泵	JVYC1500 include Trid240 mud pump	9T
------------------------	-----------------------------------	----

#### 运输尺寸 Transportation measurement

尺寸 Measurement	mm
A	400
B	2250
C	3120
E	2880
G	5420



## 水平定向钻机

### Horizontal Directional Drilling Rig



#### 水平定向钻机整机特点

### Horizontal Directional Drilling Rig Main Features

JVD 系列水平定向钻机是在充分吸收国内外同类产品优点的基础上研发的新型钻机。产品设计新颖、独特，技术达到国际先进水平。整机采用高性能配置，具有较高的性价比。

该机整体性能优越，外形美观，制作精细。采用液压先导控制及电液控制技术，操作方便、舒适。

采用三联泵系统，工作可靠，维修方便，维修成本低。

推拉系统采用高压齿轮泵驱动，承载能力强。

动力头采用双速系统，工作效率高。

该机外形紧凑，通过性能好，机器施工、转场运输灵活方便。

Horizontal Directional Drilling Rig has researched base on absorbing domestic and international advanced technology adequately. Unique design, top brands for key parts and also advanced technology make CHTC JOVE Horizontal Directional Drilling Rig reached top international level.

These two models have high reliability, excellent appearance and good assembly craftwork. We adopt hydraulic pilot control and electro-hydraulic control technology, convenience operation. Using Triple pump system ensures reliable performance, easy maintenance and low cost. The push-pull system has strong resistance ability which drives by high pressure gear pump.

The power head adopt double-speed system and ensures high work efficiency.

The compacted appearance insures high across ability, convenient move between jobsites.

#### 水平定向钻机用途

### Horizontal Directional Drilling Rig Functions

JVD 系列水平定向钻机是基于先进的“非开挖技术”理念设计开发的新型地下管道施工工程机械，该设备采用全液压及动力驱动技术，实现钻具的推进、回转、回扩、回抱及行走装置驱动等功能。主要用于穿越铁路、公路、建筑物、河流、以及在文化保护区、闹市区及农作物和植被保护区等不易开挖的条件下，进行供水、煤气、电力、电讯电缆、天然气、石油等管线的铺设和维护。

Horizontal Directional Drilling Rig is new underground pipe construction machinery which based on the advanced theory of the trenchless technologies. With whole hydraulic control technologies and power-drive technologies, it achieves drilling, rotating, pushing, broaching, pullback, moving and other function easily. It widely used in cross the railway, road, building, river, downtown area, other construction-limited area, agriculture crops, for construction and renewing water supplying, coal gas, electronic, telecommunication, natural gas, etc.



银川施工现场  
Jobsite in Yinchuan



湖南郴州施工现场  
Jobsite in Chenzhou Hunan



河北沧州施工现场  
Jobsite in Cangzhou Hebei