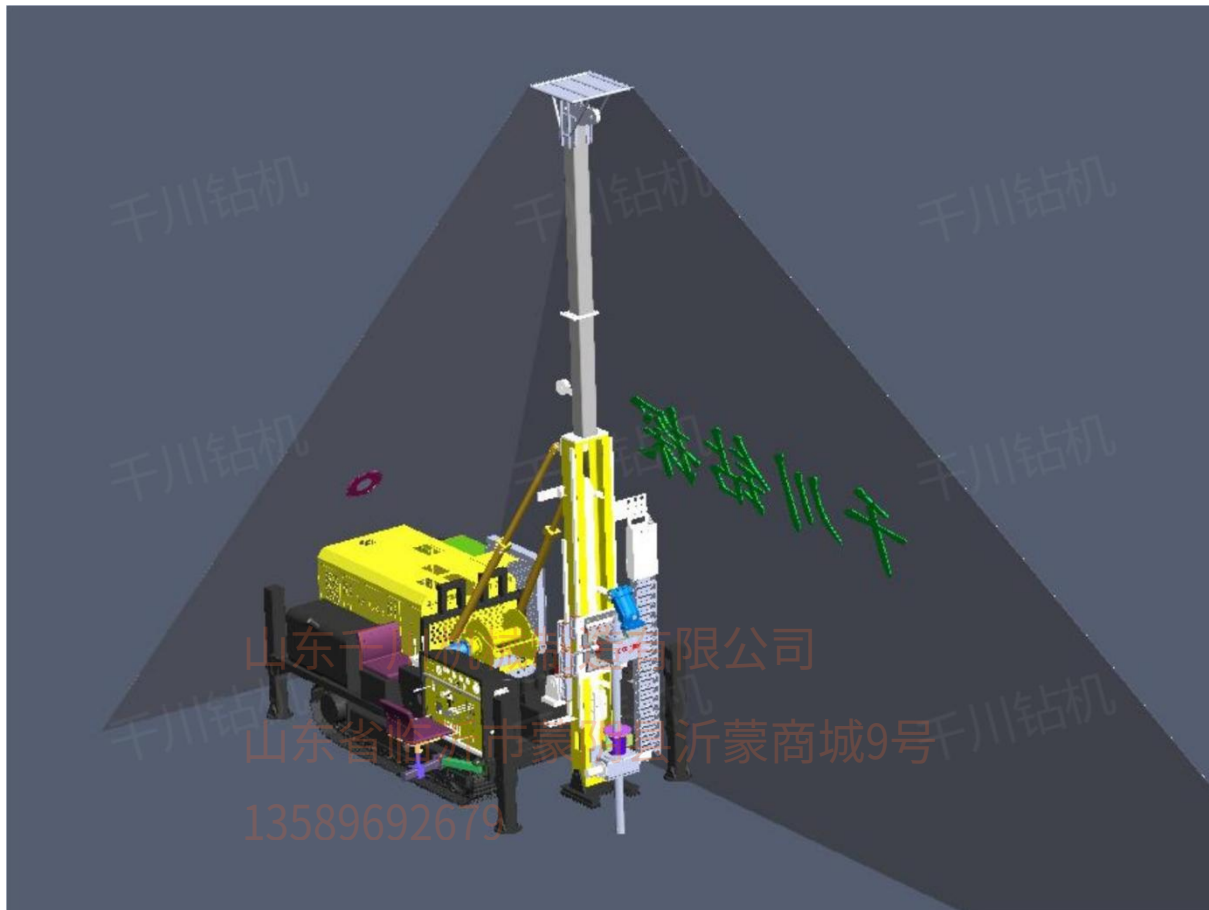


千川 600-2200 全液压绳索取芯钻机产品介绍

Qianchuan 600-2200 Fully Hydraulic Rope Core Drilling Rig Product Introduction



✧ 产品简介 Product Introduction:

千川机械 QXD-600-2200 型钻机属于多用途履带式全液压工程地质勘查一体钻机, 是一款采用全液压动力头式钻进方式的绳索取芯钻机, 钻具钻取的岩芯由卷扬机经钻杆内孔提升出来从而完成地质钻探取芯工作。主要适用于固体矿床的钻探, 也可用于工程地质、浅层石油、天然气、地下水钻探, 还可用于坑道通风、排水和堤坝注浆等工程钻孔。

Qianchuan Machinery QXD-600-2200 drilling rig is a multi-purpose crawler-type fully hydraulic engineering geological exploration integrated drilling rig. It is a rope coring drill rig that adopts a fully hydraulic power head drilling method. The core drilled by the drill tool is lifted out by the winch through the inner hole of the drill rod to complete the geological drilling and coring work. It is mainly suitable for drilling solid mineral deposits, and can also be used for engineering geology, shallow oil, natural gas, groundwater drilling, and engineering drilling such as tunnel ventilation, drainage and dam grouting.

✧ 产品特点 Product Features:

1. 【底盘】千川 600 及以上机型标配钢制履带底盘，采用液压柱塞马达驱动，白带机械刹车不溜坡，坚固耐用不易出现故障，适合多种复杂地形，配置无线遥控装置和速度无极调节装置，在安全距离内可对钻机行走进行控制，防止突发危险

[Chassis] **Qianchuan** 600 and above models are equipped with steel crawler chassis as standard, driven by hydraulic piston motor, with built-in mechanical brake to prevent slipping, strong and durable, not prone to failure, suitable for a variety of complex terrains, equipped with wireless remote control device and infinitely variable speed adjustment device, the movement of the drilling rig can be controlled within a safe distance to prevent sudden danger.

2. 【车架】整体框式主车架与履带焊接一体，可提高整机刚性和钻进稳定性，车架以及其他部件经喷砂防锈处理。

[Frame] The integral frame main frame is welded with the crawler track to improve the rigidity of the whole machine and the stability of drilling. The frame and other parts are treated with sandblasting for rust prevention.

3. 【滑架】一体焊接结构的滑架，采用热轧碳素槽钢和方钢焊接一体后经龙门铣床铣削加工后作为导轨供动力头部分上下移动，执行机构为液压油缸。

[Slide] The slide with an integrated welded structure is made of hot-rolled carbon channel steel and square steel welded together and then milled by a gantry milling machine as a guide rail for the power head to move up and down. The actuator is a hydraulic cylinder.

4. 【钻塔】钻塔采用触地式底座可摆角可锁定，触地牢固，钻进更稳定。

[Drilling tower] The drilling tower adopts a ground-contact base that can swing and lock, which is firmly grounded and more stable for drilling.

5. 【回转机构】动力头回转采用力士乐斜轴柱塞马达驱动，机械两档调速，结构紧凑噪音小故障率低。

[Slewing mechanism] The power head slews with a Rexroth inclined axis plunger motor drive, mechanical two-speed speed regulation, compact structure, low noise and low failure rate.

6. 【推进机构】采用油缸给进机构，钻进和快提升单独两路液压，可分流可合流，运动平稳可靠，且带有动力头侧向平移机构。

[Propulsion mechanism] It adopts a cylinder feeding mechanism, with two separate hydraulics for drilling and fast lifting, which can be divided and merged, with smooth and reliable movement, and is equipped with a lateral translation mechanism for the power head.

7. 【液压夹持器】采用平推式夹持机构，结构简单稳定，速度快，不易出现卡滞不同心等情况，随机标配液压防脱器，提钻下钻通用，确保万无一失。

[Hydraulic clamp] It adopts a flat push clamping mechanism, which has a simple and stable structure, fast speed, and is not prone to jamming and eccentricity. It is equipped with a hydraulic anti-drop device as standard, which is universal for lifting and drilling, ensuring that there is no risk of error.

8. 【液压卷扬机】液压马达驱动的卷扬机，容绳量大速度快，配合千川卷扬回转摆动机构，绳索缠绕均匀，不咬绳。

[Hydraulic winch] The winch driven by a hydraulic motor has a large rope capacity and fast speed. With the Qianchuan winch rotary swing mechanism, the rope is wound evenly and does not bite the rope.

9. 【液压支腿】四个液压支腿可快速调平钻机，配置液压锁和机械锁止机构可防止支腿泄压蠕动。

[Hydraulic outriggers] The four hydraulic outriggers can quickly level the drilling rig, and the hydraulic lock and mechanical locking mechanism can prevent the outriggers from depressurizing and creeping.

10. 【操纵台】所有控制功能均集中在操纵台上，便于操作，省时、省力。

[Control panel] All control functions are concentrated on the control panel, which is easy to operate, saving time and effort.

11. 【液压系统】钻机为全液压驱动，工作效率高、扭矩大。

[Hydraulic system] The drilling rig is fully hydraulically driven, with high working efficiency and large torque.

12. 【动力系统】动力系统采用大厂柴油机，全国售后无忧。

[Power system] The power system uses a diesel engine from a large manufacturer, and there is no worry about after-sales service nationwide.

13. 【冷却系统】采用无极调速风冷模式，省却繁琐的水冷机构，更便捷高效，可保证机器

长时间作业。

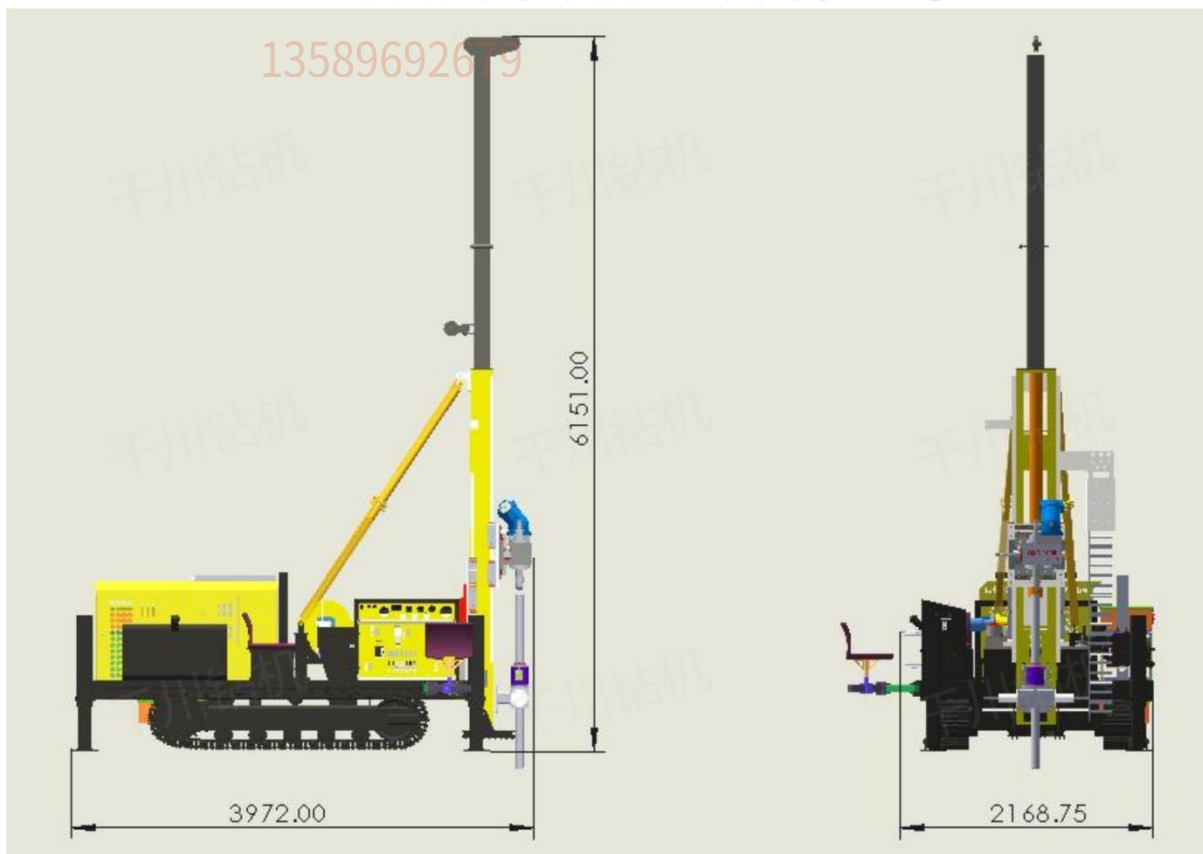
[Cooling system] It adopts stepless speed regulation air cooling mode, eliminating the cumbersome water cooling mechanism, which is more convenient and efficient and can ensure long-term operation of the machine

✧ Dimensions:



山东省临沂市蒙阴县沂蒙商城9号

13589692679



✧ Parameter configuration:

Q X D - 600 型		
钻进能力 Drilling capacity	口 径 Diameter	HTW-NTW-BTW
	深度 Depth	200-700-900 (M)
液压系统 Hydraulic system	额定压力 Rated pressure	21 (MPa)
	额定流量 Rated flow	145 (L)
	散热方式 Cooling method	风冷/水冷 Air Cooling/Water Cooling
发动机 engine	品牌 Brand	玉柴股份 Yuchai shares
	类型 Type	六缸涡轮增压 Six-cylinder turbo
	额定转速 Rated speed	2400 (RPM)
	额定功率 Rated power	125KW
动力单元 Power Unit	马达类型 Motor type	柱塞马达 Plunger motor
	马达排量 Motor displacement	125 (ML)
	传动方式 Transmission method	主轴箱直连 Spindle box direct connection
	最大扭矩 Maximum torque	420 (N. M)
	转速 Speed	液压无级变速 200-1800 (RPM)
塔架 Tower	给进行程 Feed stroke	1900 (MM)
	类型 Type	触底式一体塔架 Touch-bottom integrated tower
	钻挥角度 Drilling angle	45-90 (°)
	提升力 Lifting force	16 (T)
	给进力 Feed force	14 (T)
卷扬 Winch	提升力 Lifting force	1000 (KG)
	转速 Speed	0-300 (RPM)
	钢丝绳直径 Wire rope diameter	6 (MM)
	容绳量 Rope capacity	1000 (M)
	排绳方式 Rope arrangement method	回转缠绕 Rotation winding
行走 walk	操作类型 Operation type	手动+遥控 Manual + remote control
	行走速度 Travel speed	0-6 (KM/H)
	马达类型 Motor type	高低速柱塞马达 High and low speed piston motor
	最大爬坡角度 Maximum climbing angle	45°
泥浆泵 Mud pump	品牌 Brand	大象 elephant
	额定流量 Rated flow	100 (L/min)
	压力 Pressure	≤7 (MPa)
外形尺寸 Dimensions	4000*2000*1800 (MM)	
整机重量 Machine weight	5.6 (T)	

Q X D - 800 型		
钻进能力 Drilling capacity	口 径 Diameter	HTW-NTW-BTW
	深度 Depth	300-800-1000 (M)
液压系统 Hydraulic system	额定压力 Rated pressure	23 (MPA)
	额定流量 Rated flow	285 (L)
	散热方式 Cooling method	风冷 Air Cooling
发动机 engine	品牌 Brand	玉柴股份 Yuchai shares
	类型 Type	六缸涡轮增压 Six-cylinder turbo
	额定转速 Rated speed	2400 (RPM)
	额定功率 Rated power	92KW
动力单元 Power Unit	马达类型 Motor type	柱塞马达 Plunger motor
	马达排量 Motor displacement	125 (ML)
	传动方式 Transmission method	两档变速箱 Two-speed gearbox
	最大扭矩 Maximum torque	900/1800 (选配增扭模块 Optional torque increase module) (N.M)
	转速 Speed	600-1200
塔架 Tower	给进行程 Feed stroke	1900 (MM)
	类型 Type	触底式一体塔架 Touch-bottom integrated tower
	钻挥角度 Drilling angle	40-90 (°)
	提升力 Lifting force	18 (T)
卷扬 Winch	给进力 Feed force	15 (T)
	提升力 Lifting force	1200 (KG)
	转速 Speed	0-300 (RPM)
	钢丝绳直径 Wire rope diameter	6 (MM)
	容绳量 Rope capacity	1000 (M)
行走 walk	排绳方式 Rope arrangement method	回转缠绕 Rotation winding
	操作类型 Operation type	手动+遥控 Manual + remote control
	行走速度 Travel speed	0-6 (KM/H)
	马达类型 Motor type	高低速柱塞马达 High and low speed piston motor
泥浆泵 Mud pump	最大爬坡角度 Maximum climbing angle	45°
	品牌 Brand	大象 elephant
	额定流量 Rated flow	100 (L/min)
外形尺寸 Dimensions	压力 Pressure	≤8 (MPA)
	4000*2000*1800 (MM)	
	整机重量 Machine weight	
配置特色 Configuration Features	5.8 (T)	
	标配防脱器/标配泥浆搅拌机/标配卷扬回转机构 Standard anti-slip device/standard mud agitator/standard winch slewing mechanism	



Q X D - 1000 型		
钻进能力 Drilling capacity	口 径 Diameter	HTW-NIW-BTW
	深度 Depth	500-1000-1200 (M)
液压系统 Hydraulic system	额定压力 Rated pressure	23 (MPa)
	额定流量 Rated flow	300 (L)
	主泵/副泵 Main Pump/Auxiliary Pump	齿轮泵 63+63+32+25/ 齿轮泵 25 Gear Pump Model 63+63+32+25/ Gear Pump Model 25
	散热方式 Cooling method	风冷 Air Cooling
发动机 engine	品牌 Brand	潍柴股份
	类型 Type	六缸涡轮增压 Six-cylinder turbo
	额定转速 Rated speed	2400 (RPM)
	额定功率 Rated power	129KW
动力单元 Power Unit	马达类型 Motor type	变量柱塞马达 Variable plunger motor
	马达排量 Motor displacement	160 (ML)
	传动方式 Transmission method	两档变速箱 Two-speed gearbox
	最大扭矩 Maximum torque	1100/2000 (选配增扭模块 Optional torque increase module) (N. M)
塔架 Tower	转速 Speed	600-1200 (RPM)
	给进行程 Feed stroke	2400 (MM)
	类型 Type	触底式一体塔架 Touch-bottom integrated tower
	钻挥角度 Drilling angle	40-90 (°)
卷扬 Winch	提升力 Lifting force	19 (T)
	给进力 Feed force	16 (T)
	提升力 Lifting force	1200 (KG)
	转速 Speed	0-300 (RPM)
	钢丝绳直径 Wire rope diameter	7 (MM)
行走 walk	容量 Rope capacity	1000 (M)
	排绳方式 Rope arrangement method	回转缠绕 Rotation winding
	操作类型 Operation type	手动+遥控 Manual + remote control
	行走速度 Travel speed	0-6 (KM/H)
泥浆泵 Mud pump	马达类型 Motor type	高低速柱塞马达 High and low speed piston motor
	最大爬坡角度 Maximum climbing angle	45°
	品牌 Brand	大象 elephant
泥浆泵 Mud pump	额定流量 Rated flow	100 (L/min)
	压力 Pressure	≤10 (MPa)
外形尺寸 Dimensions	3500*2000*2300 (MM)	
整机重量 Machine weight	6.0 (T)	
配置特色 Configuration Features	标配防脱器/标配泥浆搅拌器/标配卷扬回转机构 Standard anti-slip device/standard mud agitator/standard winch slewing mechanism	

Q X D - 1200 型		
钻进能力 Drilling capacity	口 径 Diameter	HTW-NTW-BTW
	深度 Depth	600-1200-1400 (M)
液压系统 Hydraulic system	额定压力 Rated pressure	30 (MPA)
	额定流量 Rated flow	320 (L)
	主泵/副泵 Main Pump/Auxiliary Pump	川崎柱塞 K3V112+112/齿轮泵 32+25+25 Kawasaki plunger K3V112+112/gear pump 32+25+25
	散热方式 Cooling method	风冷 Air Cooling
	系统特点 System Features	配备功率调节模块, 适应高海拔等复杂工 况, 节省油耗 Equipped with a power regulation module to adapt to complex working conditions such as high altitudes and save fuel
发动机 engine	品牌 Brand	潍柴股份 Weichai Power
	类型 Type	六缸涡轮增压 Six-cylinder turbo
	额定转速 Rated speed	2400 (RPM)
	额定功率 Rated power	129KW
动力单元 Power Unit	马达类型 Motor type	变量柱塞马达 vVariable plunger motor
	马达排量 Motor displacement	160 (ML)
	传动方式 Transmission method	两档变速箱 Two-speed gearbox
	最大扭矩 Maximum torque	1500/2800 (选配增扭模块 Optional torque increase module) (N.M)
塔架 Tower	转速 Speed	600-1200 (RPM)
	给进行程 Feed stroke	2400 (MM)
	类型 Type	触底式一体塔架 Touch-bottom integrated tower
	钻杆角度 Drilling angle	40-90 (°)
卷扬 Winch	提升力 Lifting force	22 (T)
	给进力 Feed force	18 (T)
	提升力 Lifting force	1500 (KG)
	转速 Speed	0-300 (RPM)
行走 walk	钢丝绳直径 Wire rope diameter	7 (MM)
	容绳量 Rope capacity	1200 (M)
	排绳方式 Rope arrangement method	回转缠绕 Rotation winding
	操作类型 Operation type	手动+遥控 Manual + remote control
泥浆泵 Mud pump	行走速度 Travel speed	0-6 (KM/H)
	马达类型 Motor type	变量柱塞马达 vVariable plunger motor
	最大爬坡角度 Maximum climbing angle	45°
	品牌 Brand	大象 elephant
配置特色 Configuration Features	额定流量 Rated flow	120 (L/min)
	压力 Pressure	≤10 (MPA)
外形尺寸 Dimensions	3500*2000*2300 (MM)	
整机重量 Machine weight	6.1 (T)	
配置特色 Configuration Features	标配防脱器/标配泥浆搅拌器/标配卷扬回转机构 Standard anti-slip device/standard mud agitator/standard winch slewing mechanism	

Q X D - 1600 型		
钻进能力 Drilling capacity	口 径 Diameter	HTW-NTW-BTW
	深度 Depth	1000-1600-2000 (M)
液压系统 Hydraulic system	额定压力 Rated pressure	28 (MPa)
	额定流量 Rated flow	320 (L)
	主泵/副泵 Main Pump/Auxiliary Pump	川崎 K3V112+112/32+25 Kawasaki K3V112+112/32+25
	控制方式 Control method	液压先导+电控制 Hydraulic pilot + electric control
	散热方式 Cooling method	风冷 Air Cooling
发动机 engine	品牌 Brand	潍柴股份 Weichai Power
	类型 Type	四缸涡轮增压 Four-cylinder turbocharged
	额定转速 Rated speed	2400 (RPM)
	额定功率 Rated power	154KW
动力单元 Power Unit	马达类型 Motor type	柱塞马达 Plunger motor
	马达排量 Motor displacement	180 (ML)
	传动方式 Transmission method	法士特 6 速变速箱 Fast 6-speed transmission
	最大扭矩 Maximum torque	5000 (N.M)
	转速 Speed	300-1500 (RPM)
塔架 Tower	给进行程 Feed stroke	2400 (MM)
	类型 Type	触底式一体塔架 Touch-bottom integrated tower
	钻杆角度 Drilling angle	40-90 (°)
	提升力 Lifting force	20 (T)
	给进力 Feed force	10 (T)
卷扬 Winch	提升力 Lifting force	2 (T)
	转速 Speed	0-300 (RPM)
	钢丝绳直径 Wire rope diameter	8 (MM)
	容绳量 Rope capacity	1600 (M)
	排绳方式 Rope arrangement method	回转摆角缠绕 Rotary swing angle winding
行走 walk	操作类型 Operation type	遥控 remote control
	行走速度 Travel speed	0-6 (KM/H)
	马达类型 Motor type	高低速柱塞马达 High and low speed piston motor
	最大爬坡角度 Maximum climbing angle	45°
泥浆泵 Mud pump	品牌 Brand	大象 elephant
	额定流量 Rated flow	250 (L/min)
	压力 Pressure	≤12 (MPa)
外形尺寸 Dimensions	4500*2000*2700 (MM)	
整机重量 Machine weight	9 (T)	
配置特色 Configuration Features	标配泥浆搅拌机/标配卷扬回转机构 Standard mud agitator/standard winch slewing mechanism	

Q X D - 2200 型		
钻进能力 Drilling capacity	口 径 Diameter	HTW-NTW-BTW
	深度 Depth	1100-2200-2600 (M)
液压系统 Hydraulic system	额定压力 Rated pressure	28 (MPA)
	额定流量 Rated flow	500 (L)
	主泵/副泵 Main Pump/Auxiliary Pump	川崎 K3V140+140/32+32 Kawasaki K3V140+140/32+32
	散热方式 Cooling method	风冷 Air Cooling
发动机 engine	品牌 Brand	潍柴股份 Weichai Power
	类型 Type	六缸涡轮增压 Six-cylinder turbo
	额定转速 Rated speed	2400 (RPM)
	额定功率 Rated power	199KW
动力单元 Power Unit	马达类型 Motor type	柱塞马达 Plunger motor
	马达排量 Motor displacement	180+180 (ML)
	传动方式 Transmission method	三挡变速箱 Three-speed gearbox
	最大扭矩 Maximum torque	3600 (N. M)
塔架 Tower	转速 Speed	800-2000 (RPM)
	给进行程 Feed stroke	4300 (MM)
	类型 Type	触底式一体塔架 Touch-bottom integrated tower
	钻挥角度 Drilling angle	40-90 (°)
卷扬 Winch	提升力 Lifting force	40 (T)
	给进力 Feed force	10 (T)
	提升力 Lifting force	2 (T)
	转速 Speed	0-300 (RPM)
行走 walk	钢丝绳直径 Wire rope diameter	8 (MM)
	绳容量 Rope capacity	1600 (M)
	排绳方式 Rope arrangement method	回转摆角缠绕 Rotary swing angle winding
	操作类型 Operation type	遥控 remote control
泥浆泵 Mud pump	行走速度 Travel speed	0-6 (KM/H)
	马达类型 Motor type	高低速柱塞马达 High and low speed piston motor
	最大爬坡角度 Maximum climbing angle	45°
	品牌 Brand	大象 elephant
外形尺寸 Dimensions	额定流量 Rated flow	250 (L/min)
	压力 Pressure	≤12 (MPA)
整机重量 Machine weight	7000*2100*2600 (MM)	
	12.2 (T)	