

JK830-2 一体式全液压潜孔钻机

JK 金科钻孔
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All-In-One DTH drilling rig

JK830-2一体式全液压潜孔钻机是一款可以为您带来更高自动化、更高钻进效率的产品，运行可靠，操作简单。标配有满足FOPS要求的驾驶室和自动换杆系统，加宽重型行走机构，在满足快速移动的同时兼顾更好的安全性，液压除尘系统可满足矿山的最新的环保要求，是现代绿色矿山开采的可靠解决方案。

JK830-2 is an All-In-One hydraulic DTH drilling rig, which brings you more automation, higher working efficiency, better reliability and simpler operation. The FOPS-approved cabin and automatic pipe handling system come standard. Heavy-duty undercarriage with wide tracks ensures both extreme maneuverability and improved safety. The hydraulic dust collecting system meets the latest environmental protection regulations and it's a reliable solution to realize the modern green mining.

**一直致力于
您更好的钻凿感受**
Always for your better drilling feeling

主要特点

- *全自动钻进，单人操作
- *进口Rexroth（力士乐）+Eaton（伊顿）液压控制单元保证扭矩输出强劲，满足各种中大孔径需求
- *柴油机动力充足，冲击力、推进和回转速度可根据岩层的硬度等地质条件做无级调整，适合多种复杂岩层以及地形要求
- *配置Atlas•Copco2级进口机载空压机，进尺效率高，而且成孔质量更好
- *Automatic drilling, single operator
- *Imported Rexroth and Eaton hydraulic control unit ensures strong torque output to meet large hole drilling needs
- *The diesel engine offers strong power. Impacting, feeding and rotating rate can be variably adjusted to suit different rock formations
- *Imported Atlas two-stage air compressor can switch between two compression stages, increases penetration rate and hole quality

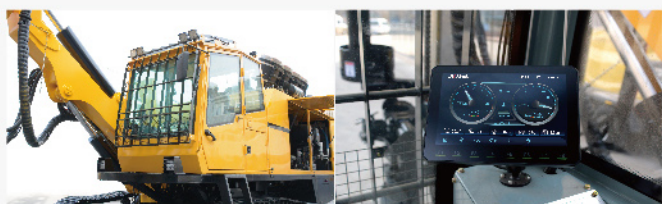




动力系统 Power train

采用国III排放标准电喷涡轮增压水冷发动机，功率强大、省油；三级空气过滤系统保障入气清洁，大大降低发动机故障率。

The water-cooled EFI turbo engine offers more power, consumes less fuel and complies with the National III emission standard. The III stage air filter system ensures intake of clean air and greatly reduces the engine failure rate.



操作系统 Control system

全封闭驾驶室配置带冷暖空调，FOPS达到欧美劳动保护标准。钻机的工作运行参数、提示、报警功能集中在仪表台上，便于操作者观察，各项数据一目了然。

The sealed air-conditioned cabin is made with FOPS which meets EU and US safety protection standards. The rig's operating parameters, instructions and warnings all can be clearly displayed on the dashboard, easy for the operator to monitor.

自动接卸杆系统 Automatic pipe handling system

储杆和自动接卸杆的功能操作简单，采用单个手柄就可以实现接杆、收杆、机械手开合以及钻杆倒库的全部动作。

接卸杆采用上下夹紧的方式便于松开钻杆接头，提高了工作效率。

可实现一键换杆，快捷安全。

All the functions, such as pipe storage, pipe loading and unloading, movement of the mechanical clamps, can be controlled very easily with one single joystick.

Loading and unloading of the drill pipes are easily achieved by upper and lower clamping, greatly raising the working efficiency.

Installing one-button automatic rod exchange system, faster and safer

维护保养

维护保养便利，保养点和检查点触手可及，发动机舱布局合理，多个机罩门开合方便，使得保养和服务十分便捷。

钻杆自动润滑系统

质量求生存 服务求发展

服务热线: +86 0313 3883554



空压机 Air compressor

采用阿特拉斯原装两级压缩机系统，可提供高压压缩气体强劲输出，性能可靠，适合于各种硬度岩石，实现更快进尺游刃有余。

The high-output Atlas Copco air compressor features two stages of compression, delivering pressure. Powerful and reliable, it suits rock formations of various hardness and offers high penetrate rate with ease.



回转系统 Rotation unit system

回转机构配有浮动接头，可以起到减振作用，同时在接卸钻杆时保护钻杆螺纹。使用寿命长，调整方便。

The rotation unit is equipped with a floating connector which can reduce vibration as well as protect pipe threads when loading/unloading drill pipes. It's easily adjusted and has a long service life.



底盘系统 Undercarriage

采用工程机械四轮一带底盘，结构强度好，加宽履带，行走平稳，爬坡能力强，凿岩作业时更加平稳。

The heavy-duty undercarriage features robust structural strength, wide tracks and excellent grade ability, which all ensure better stability while drilling.

Maintenance

Maintenance and repair are very convenient as maintenance and check points are easily accessible, engine compartment is well organized, and all service doors can be easily opened and closed.

Automatic pipe lubrication

技术参数 Technical parameters

车 体 规 格		General	
总质量	Weight	kg	25000
全 长	Length	mm	12300
全 宽	Width	mm	3200
全 高	Height	mm	4200（拆库后3500）（3500 without）
底 盘		Undercarriage	
履带全长	Track length	mm	3646
接地长度	Ground contact length	mm	2912
履带中心距	Track center distance	mm	2349（外侧总宽2749）（total width2749）
履 带 宽	Track width	mm	400
离地间隙	Ground clearance	mm	≥400
履带架摆动角	Track oscillation	°	±10
行走速度	Walking speed	km/h	1.6（低速slow speed）3（高速fast speed）
最大牵引力	Max. tractive force	KN	170
爬 坡 度	Grade ability	°	20
发 动 机		Engine	
型 号	Model	QSZ13-C450-30（康明斯Cummins）	
形 式	Type	水冷6缸电喷柴油机 Water-cooled six-cylinder EFI diesel engine	
额定功率	Rated power	kw/rpm	335/2100
燃油箱容量	Fuel tank capacity	L	1015
液 压 泵 / 阀		Hydraulic pump/valve	
主 泵	Main pump	柱塞变量负载敏感泵 Plunger variable load sensing pump	
主 阀	Main valve	负载敏感阀 Load sensing valve	
空 压 机		Air compressor	
型号	Model	Atlas · Copco	
形式	Type	2级螺杆空压机（双功） 2 stage screw air compressor（double power）	
压力	Working pressure	bar	24
最大输出流量	Max. air delivery	m³/min	30
回 转 马 达		Rotary motor	
液压回转头	Hydraulic rotation unit	双马达（Eaton伊顿）	
回转速度	Rotation rate	rpm	0-120
扭矩MAX	Max. rotation torque	Nm	3900
推进方式	Feeding method	马达驱动行星减速箱+链轮链条型式 Motor driven planetary gearbox + Sprocket chain type	
快推进最大提升速度	Fast feeding/lifting rate	m/ min	45
慢推进推进速度	Feeding rate	m/ min	0-11
慢推进最大提升速度	Max. lifting rate	m/ min	11
推进力	Feeding force	KN	0-40可调 Adjustment available
提升力	Lifting force	KN	40
推 进 梁		Feed	
推进梁总长	Length	mm	10320
推进行程	Feeding stroke	mm	6730
推进补偿	Feed extension	mm	1600
回转角度	Swing angle	°	左边95 右边35 Leftward95 rightward35
臂 架		Boom	
臂架举升角度	Tilt angle	°	40（上）,15（下）
摆动角度	Swing angle	°	左边（驾驶室侧）9 右边31 Leftward（from cabin）9 rightward31
钻杆储杆器		Drill pipe changer	
钻杆直径	Pipe diameter	mm	102/114
钻杆长度	Pipe length	m	6
钻孔直径	Drilling diameter	mm	Φ138-Φ235
钻孔深度	Drilling depth	m	36
储杆能力	Pipe capacity	支	5+1
冲击器规格	Hammer specs	5"/6"/7"/8"	
除 尘 器		Dust collector	
除尘方式	Collecting method	全液压除尘 Hydraulic dust collection system	
集尘罩	Dust cover	上下浮动 float up or down	

* JK830-2可以根据客户的实际使用情况进行功能定制。

高效性

三自由度多向定位的钻臂结构，实现全方位的凿岩角度覆盖。

Efficiency

The boom structure has three degrees of freedom to ensure a wider range of drilling angles.

坚固性

采用工程机械四轮一带底盘，结构强度高，加宽履带，行走平稳，爬坡能力强，凿岩作业时更加平稳。采用马达驱动+链轮链条型式，链条强度高，使用寿命长，调整方便。轴承钢滚轮式滑板，使用寿命长，维护简单。

Rigidity

The heavy-duty undercarriage features robust structural strength, wide tracks and excellent grade ability, which all ensure better stability while drilling.

The feed system is driven by planetary gearbox and chain. The durable high-strength chain can be easily adjusted. The bearing roller type sliding plates have a long service life and are easy for maintenance.

便捷性

机舱门能够全部打开，空间大，维护方便。

钻机的工作运行参数、提示、报警功能集中在仪表台上，便于操作者观察，各项数据一目了然。

Convenience

Service doors can be fully opened to provide large space and easy access to maintenance.

The rig's operating parameters, instructions and warnings all can be clearly displayed on the dashboard, easy for the operator to monitor.

安全性

全封闭驾驶室配置带冷暖空调，FOPS达到欧美劳动保护标准。

全方位安全玻璃宽广清晰，使得驾驶者对各个角度准确掌控。

超过400mm的离地间距，满足各种严苛路面通过要求，减少底盘碰撞可能。

Safety

The sealed air-conditioned cabin is made with FOPS which meets EU and US safety protection standards. Large windows provide the operator with great visibility to precisely control the rig. The ground clearance is over 400mm giving the rig extreme maneuverability on various tough terrain.

