

JK690

一体式全液压潜孔钻机
HYDRAULIC CRAWLER MOUNTED
DTH DRILLING RIG

JK 金科钻孔
www.jkzk.com

Atlas Copco **Inside**



JK690 一体式全液压潜孔钻机

All-In-One DTH drilling rig

JK690一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。钻机与空压机一体化设计，解决了矿山空压机移动与远距离管理以及压缩空气耗损，占用多余人力的传统难题。配备高性能液压除尘系统满足矿山的环保要求，是现代绿色矿山开采的可靠解决方案。

JK690 is an All-In-One DTH drilling rig, which brings you more automation, higher working efficiency, better reliability and simpler operation. The integration of drilling rig and air compressor, the design has many advantages like facilitating air compressor transport and management on mining site, retaining more air energy and requiring less manpower. The equipped high-performance hydraulic dust collecting system meets the latest environmental protection regulations and it's a reliable solution to realize the modern green mining.

**金科钻机与阿特拉斯空压机强强联合，
性能出色的一体机带给您完全不一样的钻凿感受。**



回转系统

回转扭矩大，减速比大，扭矩传递效率更高运行更平稳，故障率更低，降低了日常维护成本，松散层不易卡钻，成孔率高。
高分子衬板，耐磨、不需注油润滑，更方便。
锰钢机加导轨，架体坚固、导轨无磨损。
选配双驱高低速回转系统。

Rotation unit system

The gearbox has large gear reduction ratio, high torque transmission efficiency, runs smoothly, lowered failure rate and with less routine maintenance cost. It also reduces pipe-stuck situations in unconsolidated formations and has a higher hole completion rate.

Polymer liner plates are high resistant to abrasion, no need lubricating grease so the maintenance is easy and convenient.

Manganese steel-made sliding rail of the feed boom has high strength structure and superior resistance to wear.

自动接卸杆系统

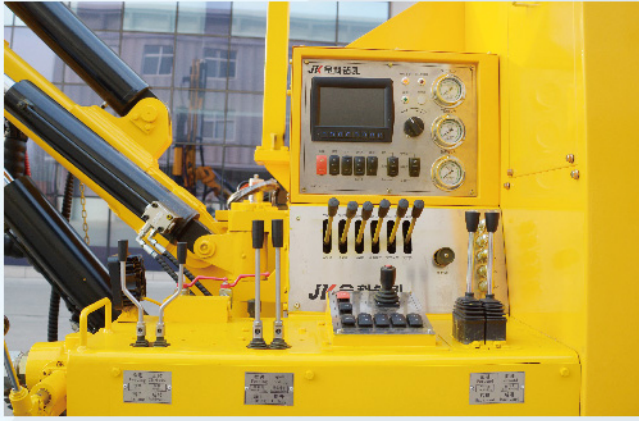
储杆和自动接卸杆的功能操作简单，采用单个手柄就可以实现接杆、收杆、机械手开合以及钻杆倒库的全部动作。

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。

Automatic pipe handling system

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.



操作系统

操纵阀集中布置，便于钻机的各项操作控制。采用手动、电液压操作系统，性能可靠，操作简单，维护成本低。
快速推进及提升操作，减少辅助时间，提高效率。推进力大小可根据钻进需要随时调节。

Operation system

The concentrated levers make the operation more easier. The adoption of massive manual and hydraulic operation systems ensures reliable performance, simple operation and low maintenance cost.
Fast feeding and lifting decrease auxiliary time and increase working efficiency. Feeding force can be adjusted anytime if needed.



底盘系统

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。
浮动式车架，前后浮动10°，行走高低双速可调，工地间转移快捷。

Undercarriage

The heavy-duty undercarriage features robust structural strength, wide tracks and excellent grade ability, which all ensure better stability while drilling.
The undercarriage can oscillate 10° back and forth, featuring adjustable dual speed and fast maneuverability between sites.



免维护推进机构

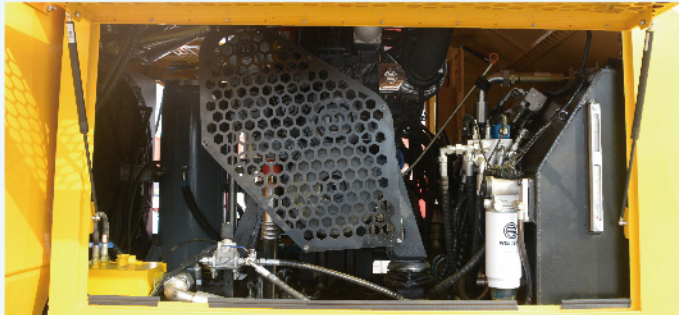
液压机械双重锁定, 既保证液压马达的大扭矩稳定输出, 使用寿命长, 机械锁定又杜绝液压内泄, 防止下滑, 二者结合, 各取所长。

技术更先进, 并不需要日常加油维护。

Maintenance-free feeding system

Double locked hydraulic motor not only guarantees the stable output of high torque.

Applied with more advanced technology, It doesn't need routine lubrication maintenance.



动力系统

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

进口品牌液压油泵, 耐压高, 排量, 质量更可靠, 寿命更长。

Power train

The water-cooled EFI turbo engine offers more power, consumes less fuel and complies with the National III emission standard. The two-stage air filter system ensures intake of clean air and greatly reduces the engine failure rate. The imported hydraulic pump features high pressure, large displacement, reliable quality and long service life.



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

我们永恒的追求

高效、专业的售后服务提前到位, 让操作变得更简单、可靠

高效的售后服务体系, 金科钻孔提供钻机全系列的售后服务支持, 新机免费现场安装、指导, 全程售后热线支持及优惠价格提供配件。

经过严格专业培训和上岗认证的金科专业维修人员都将在第一时间出现在您的面前。他们非常熟识与了解设备和用户的问题。因此, 无论何时, 无论何地, 无论您面临如何棘手的问题, 他们都能快捷、热情、稳妥地解决问题。

-Efficient and professional after-sales service arranged in advance, making operation easier and more reliable

With an efficient after-sales service system, JK Drilling provides a full range of after-sales service support for rigs: free on-site installation and guidance of new machines, full after-sales hotline support and accessories at preferential prices.

After rigorous professional training and on-the-job certification, JK professional maintenance personnel will appear in front of you as soon as possible. They are very familiar with and understand the problems of equipment and users. Therefore, whenever, wherever, no matter what you face, they can solve difficult problems quickly, enthusiastically, and securely.

除尘系统

高效全液压除尘器, 带有滑动式捕尘罩。收尘效率高, 性能稳定, 有效的延长了钻机的使用寿命, 保证作业人员的身体健康, 环保效果好。

Dust collecting system

The efficient hydraulic dust collector is equipped with a sliding dust cover. It boasts high dust collecting efficiency and stable performance, extends the rig's service life and ensures a clean working environment for the operators.



空压机系统

采用阿特拉斯原装压缩机系统, 可提供20Bar-18.5m³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。

Air compressor

The original high-output Atlas Copco air compressor delivers pressure of 20bar and FAD of 18.5m³/min. Powerful and reliable, it suits rock formations of various hardness and offers high penetration rate with ease.

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	14000
全 长	Length	mm	8750
全宽	Width	mm	2900(带除尘)
全高	Height	mm	3350

底 盘

Undercarriage

履带宽	Track width	mm	300
离地间隙	Ground clearance	mm	370
履带架摆动角	Track oscillation	°	±10°
行走速度	Walking speed	Km/h	2.5 (低速 Low) 3.5 (高速 High)
爬坡度	Grade ability	°	27°

发动机

Engine

型 号	Model	WP7G300E300	
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	220/2300
燃油箱容量	Fuel tank capacity	L	400

空压机

Air compressor

型号	Model	atlas copco	
压力	Working pressure	bar	20
最大输出流量	Max. FAD	m3/min	18.5

回转推进

Rotation and feeding

回转速度	Rotation rate	rpm	0-140
扭矩MAX	Max. rotation torque	Nm	3300
推进方式	Feeding method	马达驱动行星减速箱+链轮链条型式 Hydraulic motor + Chain	
推进力	Feeding force	KN	12
提升力	Lifting force	KN	21
推进行程	Feeding stroke	mm	3990
推进补偿	Feed extension	mm	1100

钻杆储杆器

Drill pipe changer

钻孔直径	Hole diameter	mm	Φ90-Φ160
钻杆长度	Pipe length	m	3
钻杆直径	Pipe diameter	mm	76mm/89mm
钻杆数量	Pipe quantity		6+1
钻孔深度	Hole depth	m	21

集尘器

Dust collector

集尘器	Dust collector	液压干式除尘 (选配湿式) Hydraulic dust collector (Wet type optional)	
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