

JK595-5A

履带式液压潜孔钻机

Crawler Mounted Hydraulic DTH Drilling Rig

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JK595-5A履带式液压潜孔钻机[辅助接卸杆]

JK595-5A履带式液压潜孔钻机，结构全面优化，进尺成本更低，设计更人性化。采用柴油发动机(电动机)—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。

JK595-5A履带式液压潜孔钻机主要用于水电工程，露天采矿，道路修建，国防工程的钻凿爆破孔作业。

JK595-5A hydraulic down-the-hole drilling rig has fully optimized structure, lower drilling footage cost, more user-friendly design. The diesel engine (electric motor)-hydraulic oil pump set is used as the power unit, and the hydraulic motor realizes the auxiliary movements such as drilling, feeding, lifting, walking and hydraulic cylinder positioning.

JK595-5A drilling rig is mainly used for hydro-power engineering, open pit mining, road construction, drilling and blasting operation of national defense engineering.

主要构成

01

回转机 Rotation unit

配备双回转马达，回转扭矩更大，更加灵活的转速设置。全新行星减速箱体比直齿型减速箱结构更紧凑，减速比大，扭矩传递效率更高，运行更平稳，并不需要减震接头等附加部件进行减震，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。

进口回转密封件，密封性好、寿命长。

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。

Equipped with double-rotate motor, with larger rotating torque and more flexible speed setting. The new planetary gearbox has a more compact structure than a spur gearbox, with a larger reduction ratio, higher torque transmission efficiency, and smoother operation. It does not require additional components such as damping joints for shock absorption and has a lower failure rate, also can reduce daily maintenance costs.

The unconsolidated layer is not easy to jam, and the hole formation rate is high.

Imported rotary seals have good sealing performance and long life.

The polymer liner is wear-resistant, does not need to be lubricated, and is more convenient.

Manganese steel guide rail, the frame is firm and wear-free.

02

动力装置 Power train

进口液压油泵、液压阀，耐压高，排量大，质量更可靠，寿命长。

74KW增压发动机，柴油机配置满足Ⅲ阶段排放标准。动力强劲，易维护保养。

两级空气滤清装置，确保发动机吸入洁净空气，安全可靠。

油水一体散热器，保证在高温环境下，发动机和液压系统正常工作。

Imported hydraulic oil pump has high pressure resistance, large displacement, more reliable quality and long life.

Supercharged engine, the configuration meets Phase III emission standards, it is powerful and easy to maintain.

The two-stage air filter device ensures that the engine sucks in clean air, which is safe and reliable.

The oil-water integrated radiator ensures the normal operation of the engine and hydraulic system in a high temperature environment.



03 免维护推进机构 Maintenance-free feed mechanism

液压机械双重锁定，既保证液压马达的大扭矩稳定输出，使用寿命又比蜗轮蜗杆大大提高，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，属于新一代产品，并不需要日常加油维护。

The hydraulic and mechanical double lock not only ensures the stable output of the large torque of the hydraulic motor, but also greatly improves the service life than the worm and gear. The mechanical lock also prevents hydraulic leakage and prevents sliding. The combination of the two, each takes its own strengths. The technology is more advanced and belongs to a new generation of products, which does not require daily refueling and maintenance.





04 操作系统 Operation system

操纵阀集中布置，便于钻机的各项操作控制。采用大量手动直控液压操作系统，性能可靠，操作简单，维护成本低。

回转，推进双操作系统，可实现单人完成打孔作业。

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。

Independent walking operating system, Jinke drilling rig adopts a three-speed variable independent walking console, which has a wider field of view and safer operation. Different working angles are used when walking and working, which is suitable for different use conditions on the construction site, and the design is safer and more humane.

The original imported control valve has more reliable performance.

Centralized console for easy operation and control of the rig



05 钻臂 Drilling arm

多角度、加长型功能钻臂，钻孔范围更广，可钻水平孔、前后倾角孔、侧向倾角孔，比同类 钻机钻孔工作扇形面积多20%。

The multi-angle, extended-function drill arm has a wider range of drilling. It can drill horizontal holes, front & rear angled holes, as well as lateral angled holes, which is 20% more than the drilling sector of similar drilling rigs.



06 免维护底盘 Maintenance-free undercarriage

原装进口行走马达，爬坡能力强，可牵引空压机。

双速行走系统，快速行走节省移位时间。

履带架浮动15°，装配行走平衡系统，适于崎岖现场施工。

免维护支重轮，无需注油。

加装履带护板，防止履带脱轨。

可配置无动力解锁式行走马达。

The original imported walking motor has strong climbing ability and can tow the air compressor.

Two-speed walking system, fast walking saves shift time.

The crawler frame floats 15° and is equipped with a walking balance system, which is suitable for rugged site construction.

Maintenance-free support rollers, no oil filling.

Install track guards to prevent track derailment.

It can be equipped with unpowered unlocking walking motor.



技术参数 / Technical Specifications

钻孔直径 Hole diameter	Φ90 -Φ165mm
钻孔深度 Hole depth	50m
钻杆库 Drill pipe changer	5×3m
适应岩石硬度 Applicable rock hardness	f=6-20
工作风压 Working air pressure	1.2-2.5MPa
耗风量 Air consumption	11-21m³/min
滑架行程 Feeding stroke	4138mm
最大水平凿岩高度 Max. horizontal drilling height	3370
回转速度 Rotation rate	0-150rpm
回转扭矩 Rotation torque	3300Nm
行走速度 Walking speed	2.2Km/h、3.6Km/h
爬坡能力 Grade ability	24°
动力 Power	潍柴Weichai 73.5KW/(选配Optional康明斯/玉柴)
除尘器（选配） Dust collector (optional)	全液压干式除尘 Hydraulic dry type dust collector
	湿式除尘 Wet type dust collector
外形尺寸 Dimension (LWH)	7000×2400×2700mm(拆钻杆库2200mm)
整机重量 Weight	7900kg