

JK593G

爆破光伏两用钻机

Blast hole & photovoltaic hole drilling rig

满足 **III阶段** 排放标准



JK593G 爆破光伏两用钻机

JK593G爆破光伏两用钻机,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—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。

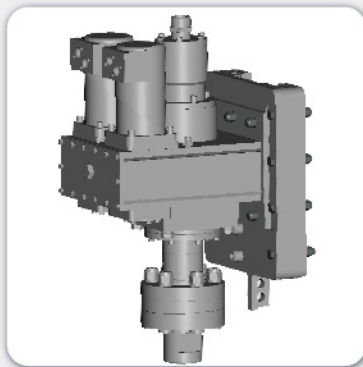
JK593G履带式液压潜孔钻机主要用于光伏、水电工程,露天采矿,道路修建,国防工程的钻凿爆破孔作业。

JK593G is a dual-purpose drilling rig for blasting holes and photovoltaic holes. The structure is fully optimized, the footage cost is lower, and the design is more user-friendly. The diesel engine-hydraulic oil pump set is used as the power device, and the auxiliary actions of the drilling rig such as rotation, feeding, lifting, walking and hydraulic cylinder swing angle positioning are realized by the hydraulic motor.

JK593G crawler mounted hydraulic down-the-hole drilling rig is mainly used for drilling and blasting holes in photovoltaic, hydropower projects, open-pit mining, road construction, and national defense projects.

主要部件 Main configurations

»» 一直致力于您更好的钻凿感受



01 回转机 Rotation unit

加强型回转箱体,双马达回转,回转扭矩更大,且可实现回转速度双速调节,设有转速切换阀,两档转速快速切换,以便钻机适用不同工况。带减震器接头,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。

进口回转密封件,密封性好、寿命长。

The reinforced rotation unit has dual motors, which brings greater rotation torque and can realize two-speed adjustment of rotation speed. Equipped with a speed switching valve, the two-speed speed can be quickly switched, so that the drilling rig can be used in different working conditions. With a shock absorber joint, the operation is more stable, the failure rate is lower, and the daily maintenance cost is reduced, besides, the loose layer is not easy to get stuck so as to realize higher hole formation rate.

Imported rotary seals have good sealing performance and long service life.



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。

潍柴73.5KW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.

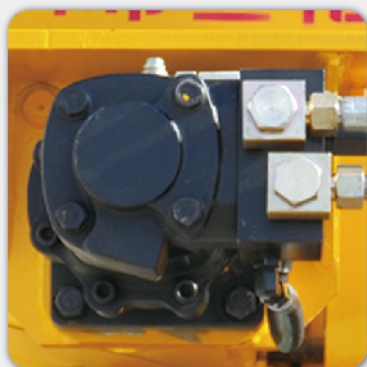
Weichai 73.5KW engine configuration meets Phase III emission standards, it is powerful and easy to maintain.

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.

主要部件 Main configurations

»» 一直致力于您更好的钻凿感受



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

液压机械双重锁定，液压马达的大扭矩稳定输出，自动机械锁定，防止下滑，二者结合，使用寿命长。技术更先进，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 which does not require daily refueling and maintenance.



04 操纵台 Control panel

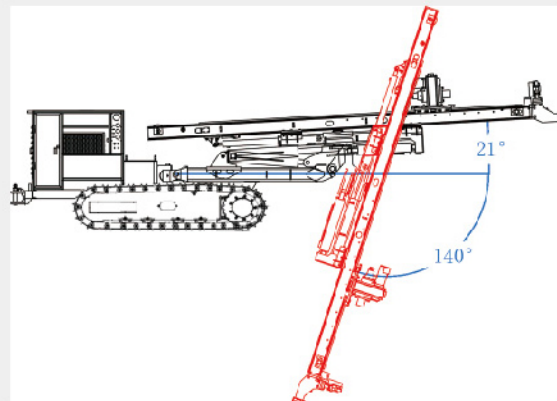
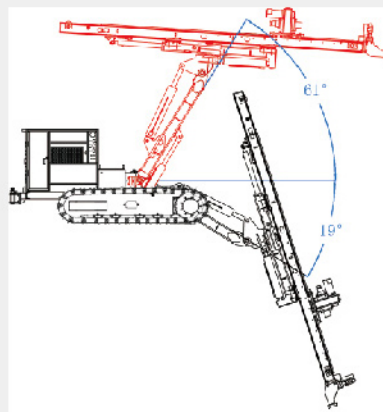
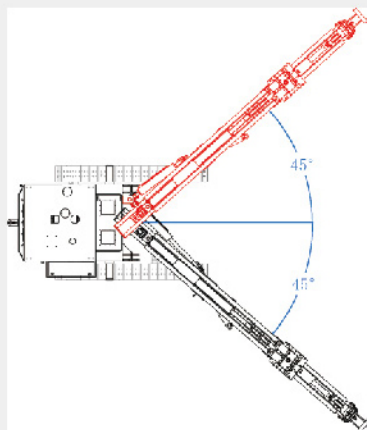
操纵阀集中布置，便于钻机的各项操作控制。液压操作系统，性能可靠，操作简单，维护成本低。视野更宽，操纵更安全，适合工地的不同使用情况，设计更加安全化、人性化。快速推进及提升操作，减少辅助时间，提高效率。推进力大小可根据钻进需要随时调节。

The control valves are centrally arranged to facilitate the operation and control of the drilling rig. Hydraulic operating system, reliable performance, simple operation and low maintenance cost. Wider field of vision, safer manipulation, suitable for different use situations on the construction site, and more secure and user-friendly design.

Quickly feeding and lifting operations, reduce auxiliary time and improve efficiency. The feeding force can be adjusted at any time according to the drilling needs.



工作角度 / Drilling angle



钻机空压机一体化方案解决者

05

底盘系统 Maintenance-free undercarriage



加长底盘，重心降低，稳定性好。

大扭矩行走马达，爬坡能力强，行走速度快，同时配有双速行走系统，节省移位时间。

装配行走平衡系统，履带架前后浮动各10°，适于崎岖现场施工。

免维护四轮一带，无需注油。

加装履带护板，防止履带脱轨。

加装双钻杆库和大操作站立平台。

Lengthened chassis, lower center of gravity and better stability.

The high-torque walking motor has strong climbing ability and fast walking speed, and is equipped with a two-speed walking system to save shifting time.

Equipped with a walking balance system, the crawler frame floats 10° forward and backward, which is suitable for rough site construction.

Maintenance-free four-wheel belt, no need to fill oil.

Install track guards to prevent track derailment.

A double drill rod carousel and a large operating standing platform are installed.

06

滑架系统 Feeding system



加强型滑架，双外翻式加工耐磨导轨，导轨厚、精度高，推进、提升及滑架补偿更稳定。

一体式钻臂支座，强度高，钻臂稳定性好，维修便捷。

多角度、加长型功能钻臂，钻孔范围更广，比同类钻机钻孔工作扇形面积多20%。

滑架及钻臂稳定性好，能压得住，适合光伏大孔作业

Reinforced feed, with double valgus processing wear-resistant guide rail, which is thick and with high precision, can bring more stable performance of feeding, lifting and extension.

The integrated boom support has high strength, good boom stability and convenient maintenance.

Multi-angle, lengthened functional drill arm have wider drilling range, 20% more fan-shaped area than similar drilling rigs.

The feed and drill arm have good stability, powerful and suitable for photovoltaic large-hole operations.



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07

电控系统 Electronic control system

电控系统采用进口元件，品质可靠，故障率低。

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

可选配角度仪，钻机的开孔角度实时显示，方便操作者准确布孔，掌控全局。

The electronic control system adopts imported components, with reliable quality and low failure rate.

The operating parameters, prompts and alarm functions of the engine are concentrated on the instrument, which is convenient for the operator to observe and makes the data clear at a glance.

Inclinometer is optional. The drilling angle of the drilling rig is displayed in real time, which is convenient for the operator to arrange holes accurately and control the overall situation.

技术参数 / Technical Specifications

钻孔直径 Hole diameter	Φ90 -Φ300mm
钻杆长度 Rod-changing length	3m
适应岩石硬度 Applicable rock hardness	f=6-20
工作风压 Working air pressure	1.2-2.5MPa
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	0-110rpm
回转扭矩 Rotation torque	4200Nm
行走速度 Walking speed	2.2Km/h、3.6Km/h
爬坡能力 Grade ability	30°
动力 Power	潍柴Yuchai 74KW
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
整机重量 Weight	7500kg