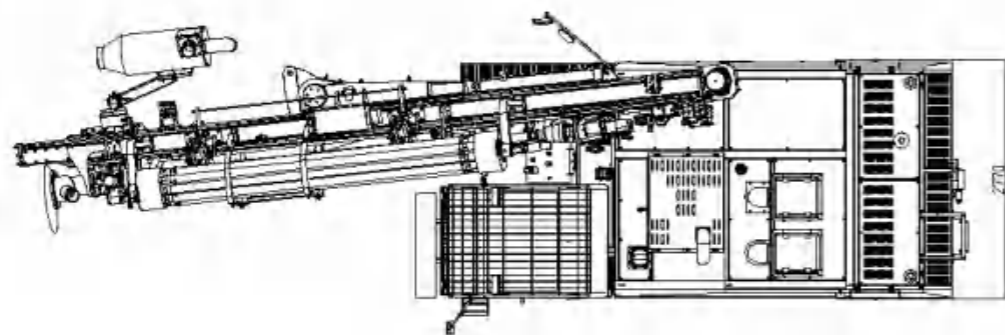
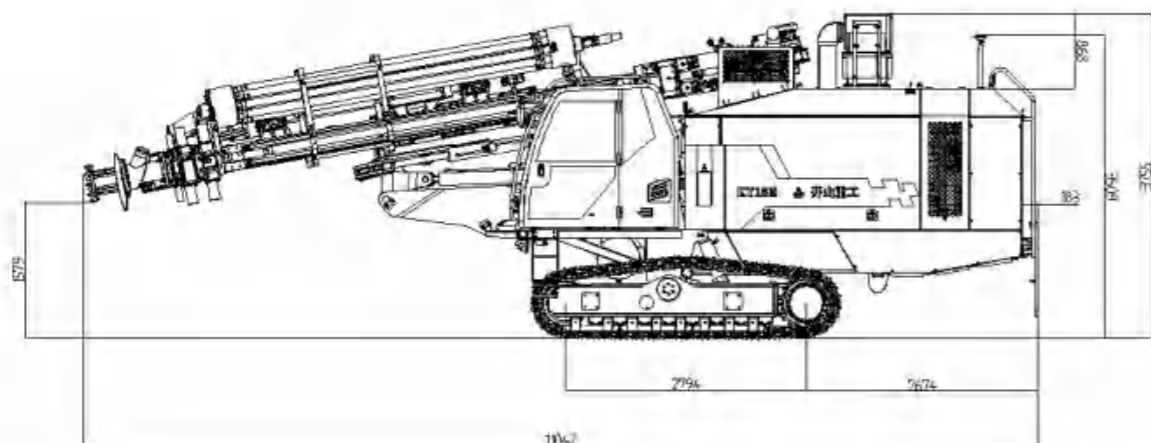
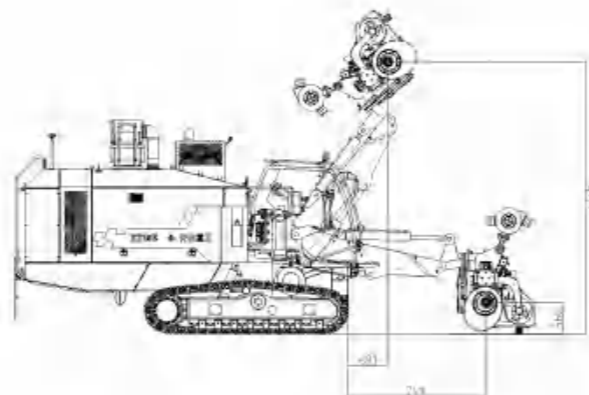
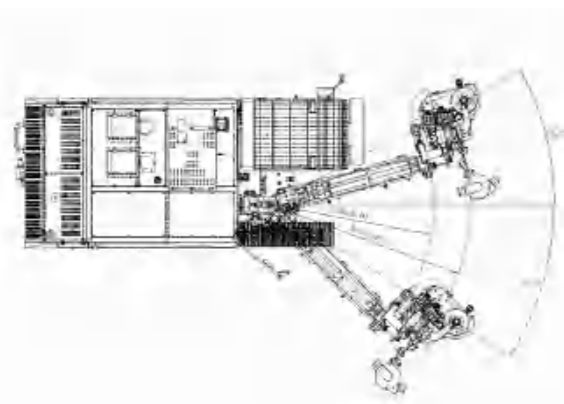


外形尺寸 / Outer dimensions



钻臂摆角 / Swing angle of drill boom

水平钻孔范围 / Horizontal drilling range



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KT15i 型智能露天潜孔钻车 (露天凿岩机器人)

Kt15i Intelligent Down-the-hole Drilling Rig
(Open-pit Drilling Robot)



创造智能台车无人化新标准

KT15i 型智能露天潜孔钻车 (露天凿岩机器人)

Kt15i Intelligent Down-the-hole Drilling Rig (Open-pit Drilling Robot)

KT15i型智能露天潜孔钻车（露天凿岩机器人）主要用于露天矿山、石方工程和工程建设中钻凿爆破孔。该机具备精准定位和全自动钻孔功能，是一款高度智能化的钻凿设备，可满足智能化矿山建设要求。

The KT15i intelligent down-the-hole drilling rig(open-pit drilling robot) is primarily utilized for drilling blasting holes in open-pit mining operations, stone quarries, and various engineering construction projects. With accurate positioning and automatic drilling functions, it is a highly intelligent drilling equipment which meets the requirements of intelligent mine construction.

● 远程遥控系统

在网络条件较好的矿山，可联网办公控制室，实现远程操作，一人可操作多机，主要用于远程遥控行走，减少甚至取消钻孔现场作业人员。

● Remote control system

In the mine with good network conditions, the control room can be networked to achieve remote operation, and one person can operate multiple machines, which is mainly used for remote control walking, reducing or even eliminating on-site personnel for drilling operations.

● 车体精准定位

基于RTK测量技术，可精确定位钻孔位置，定位误差小于10cm，远高于露天爆破要求。

● Precise positioning of the rig

Based on RTK measurement technology, the drilling position can be accurately determined with a positioning error of less than 10cm, which surpasses the accuracy requirements for open blasting by a significant margin.

● 钻孔辅助系统

根据导入的钻孔坐标文件，自动调节推进梁位置和钻孔角度，确保钻孔位置及角度符合矿山要求。

● Drilling auxiliary system

Utilizing the imported drilling coordinate file, the system automatically adjusts the position of the propulsive beam and the drilling angle to guarantee that the drilling position and orientation comply with the mine's specifications.

● 自动钻孔系统

具备自动钻孔模式，根据岩层结构自动调节开孔和钻孔参数，实现高效凿岩和防卡钻等功能，自动完成钻进、提升、接卸杆等全套钻孔流程，直至达到预定孔深。

● Automatic drilling system

With automatic drilling mode, automatic adjustment of opening and drilling parameters according to the rock structure, it can achieve efficient drilling and anti-stuck drilling functions and automatic completion of drilling, lifting, unloading rod and other drilling processes until the predetermined hole depth.

● 数据处理系统

自动收集与传输钻孔数据，形成钻孔过程数据数据库，具备随钻测量系统，随钻岩性采集系统。

● Data processing system

The rig automatically collects and transmits drilling data to form a database of drilling process data, and it is equipped with a follow-drill measurement and a follow-drill lithology acquisition system.



技术参数 Technical Parameters

运输尺寸(长*宽*高) Transport dimensions (L×W×H)	11050*2780*3600/3800mm
重量 /Weight	25090Kg
岩石硬度 /Rock hardness	f=6-20
钻孔直径 /Drilling diameter	140-190mm
经济钻孔深度 /Depth of economical drilling	36m
容杆数量 /Number of rods	8+1
钻杆规格 /Specifications of drilling rod	Φ89×4000mm
离地间隙 /Ground clearance	430mm
履带调平角度 /Leveling angle of track	±10°
行驶速度 /Travelling speed	0-3Km/h
爬坡能力 /Climbing capacity	25°
牵引力 /Traction	140KN
钻臂举升 /Lifting angle of drill boom	向上50°/向下20° / Up 50°, down 20°
钻臂摆角 /Swing angle of drill boom	向右45°/向左15°/Right 45°, left 15°
滑架摆角 /Swing angle of carriage	向右33°/向左98°/Right 33°, left 98°
滑架俯仰角 /Tilt angle of beam	125°
车架调平角度 /Leveling angle of frame	向上10°/向下10° / Up 10°, down 10°
补偿行程 /Compensation stroke	1500mm
推进机行程 /Feed stroke	4580mm
最大推进力 /Maximum propelling force	65KN
推进方式 /Method of propulsion	马达+滚子链 Motor+Roller chain
最大回转矩 /Rotary torque (Max)	4100N.m
转速 /Rotation speed	0-100rpm
发动机 /Engine	康明斯L9CS4 430C Cummins L9CS4 430C
额定功率 /Power	316kW
额定转速 /Revolving speed of gyator	2100r/min
螺杆式空压机 /Screw air compressor	开山SKY11HG165-A
排量 /Capacity of air compressor	22m³/min
压力 /Air pressure	24bar
冲击器 /DTH hammer	K4, K5, K6
行驶控制系统 /Traveling control system	液压+电控 /Hydraulic+Electronic Control
钻孔控制系统 /Drilling control system	液压+电控 /Hydraulic+Electronic Control
过滤精度 /Filter fineness	10μm
冷却能力 /Cooling capacity	环温-30°C-45°C /Ambient temperature-30°C-45°C
电压 /Voltage	24V 直流 /DC 24V
除尘方式 /Method of dust removal	干式 /Dry
接杆方式 /Method of extension rod	自动接卸杆 Automatic unloading rod
防卡 /Anti-Jamming	电液控制防卡 Electro-hydraulic control anti-sticking
钻杆螺纹润滑方式 Method of drilling rod lubrication	自动喷油润滑 Automatic oil injection and lubrication
钻杆螺纹保护 Protection of thread of drilling rod	配有浮动接头保护钻杆螺纹 Equipped with the floating joint to protect the thread of drilling rod