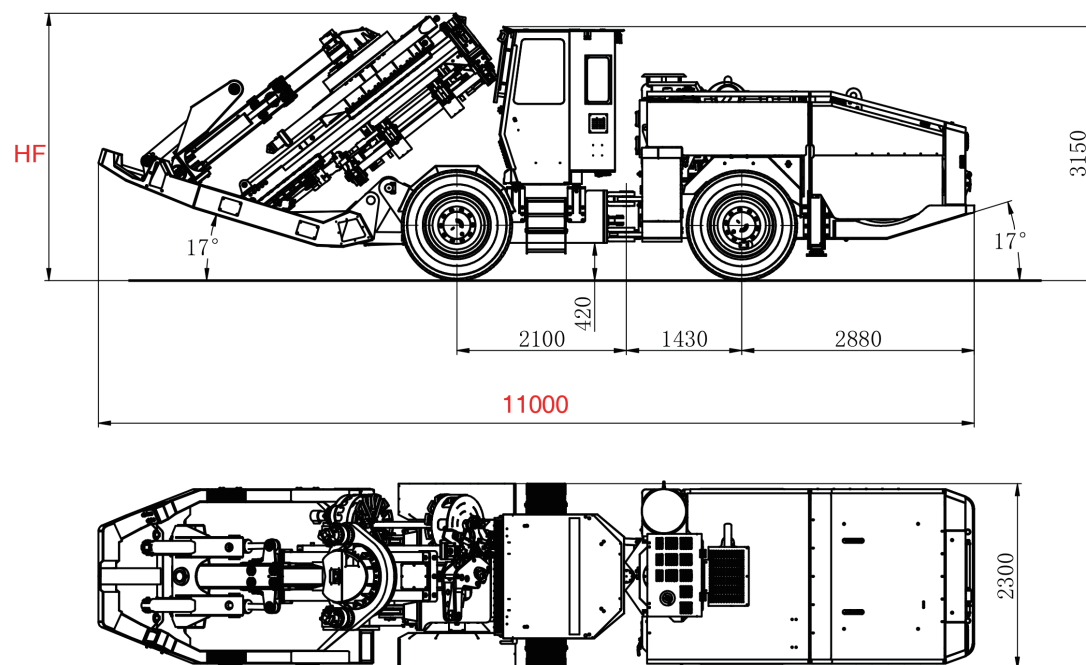
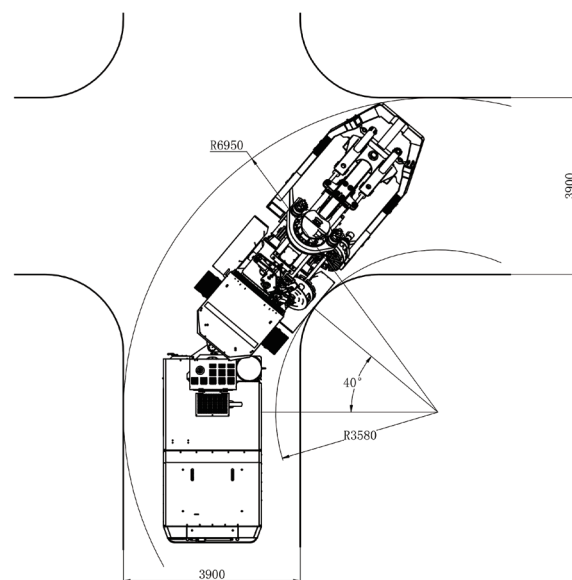


外形尺寸 / Dimensions



转弯示意 / Turning Diagram



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KS313i型 智能矿用液压采矿钻车

KS313i intelligent mining hydraulic drilling Rig



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KS313i型 智能矿用液压采矿钻车

KS313i intelligent mining hydraulic drilling Rig

KS313i型智能矿用液压采矿钻车专为不小于3.6x4.2m断面的矿山巷道打造，可自动化钻凿中深爆破孔。自主研发的智能模块，能准确按要求的位置、角度和深度，自动完成360°任意孔位钻孔，以高精度、高效率和简便操作的特点，强力支撑矿山智能化作业。

The KS313i intelligent mining hydraulic drilling vehicle is specially designed for mining tunnels with a cross-section of no less than 3.6x4.2m. It can automatically drill medium to deep blasting holes. The independently developed intelligent module can accurately complete 360° drilling at the required position, angle and depth automatically. With its features of high precision, high efficiency and simple operation, it strongly supports intelligent mining operations in mines.

● 高精度智能操控

搭载专用凿岩控制系统与全套检测模块，实现全自动钻孔，可自动校准角度、深度与凿岩速度，钻孔精度更高、操作更易上手。

● High-precision intelligent control

Equipped with a dedicated rock drilling control system and a complete set of detection modules, it enables one-click and fully automatic drilling. It can automatically calibrate the angle, depth and rock drilling speed, resulting in higher drilling accuracy and easier operation.

● 智能数据传输系统

支持无线网络实时采集并上传设备运行与钻孔工况数据，便于后台调度管控，减少设备闲置。（需具备网络通信条件）

● Intelligent Data Transmission System

This system supports real-time collection and upload of equipment operation and drilling condition data via wireless network, facilitating background scheduling and control, and reducing equipment idleness.(Requires network communication conditions)

● 全域灵活钻孔

推进梁可360°翻转，臂座可伸缩摆动，实现巷道无死角钻孔及3m范围平行钻孔。支持扇形孔、倾斜孔、深孔等多种孔型，最大钻孔深度54m，适配多种钎杆，满足井下各类凿岩工况。

● Global flexible drilling

The push rod can be rotated 360°, and the arm base can be extended and swingable, enabling drilling without blind spots in the roadway and parallel drilling within a 3-meter range. It supports various hole types such as fan-shaped holes, inclined holes, and deep holes, with a maximum drilling depth of 54 meters. It is compatible with various drill rods and can meet various rock drilling conditions in the underground.

● 多工况超强适配

适配多种工况深孔爆破凿岩，兼顾锚索支护钻孔等场景，一机多用，有效降低设备采购与运维成本。

● Superior adaptability in multiple working conditions

Adapts to various working conditions such as deep-hole blasting and rock drilling for anchor cable support, as well as other drilling scenarios. This single machine can be used for multiple purposes, effectively reducing equipment procurement and operation costs.

● 安全防护与便捷维保

配备 FOPS/ROPS 防落物、防翻滚安全驾驶室，全面保障作业安全。维保点位集中于地面区域，检修便捷，大幅缩短停机时间，提升连续作业能力。

● Safety protection and convenient maintenance

Equipped with FOPS/ROPS anti-fall and anti-rollover safety cabs, it provides comprehensive safety guarantees for operations. The maintenance points are concentrated in the ground area, making maintenance convenient and significantly reducing downtime, thereby enhancing the continuous operation capability.

外形尺寸与重量 / Dimensions and weight

长度 / Length	11000
宽度 / Width	2300 mm
高度 / Height	3450mm (根据配置)
重量 / Weight	25000 kg
行驶速度 (水平) Tramming speed on flat ground	15 km/h
最大爬坡能力 Maximum climbing capacity	Max 25 % (14°) / 5°

安全防护 / Safety protection

噪音水平 / Noise level	<100dB(A)
可升降安全顶棚 Lifting safety roof	FOPS & ROPS认证

风水路系统 / Air & water system

空压机 /Air compressor	DLGF 0.7/8-5.5(B)
排量 /Capacity of air compressor	0.7m³/min
压力 /Pressure	8bar
钎尾润滑装置 Device of shank lubrication	电磁脉冲润滑泵 Electronic pulse lubrication pump
润滑耗气量 Air consumption of lubrication	0.3m³/min
润滑耗油量 Oil Consumption of lubrication	180-250g/h
水泵功率 Power of water pump	4kW
水泵排量 Capacity of water pump	0.7m³/h

底盘 / Chassis

柴油机 Diesel engine	Cummins B3.9CS4-80C 59KW/2500rpm
传动系统 Drive system	四轮驱动闭式行走系统 Closed hydraulic system for four-wheel driving
摆动角 Swing angle	后桥摆动±6° Swing of rear axle: ±6°
转向机构 Steering mechanism	±35°铰接转向 Articulated steering: ±35°
驻车制动 Parking braking	多片式制动器 Multidisc brake
紧急制动 Emergency braking	多片式制动器 Multidisc brake
燃油箱 Fuel tank	110L

钻进系统 / Drilling system

凿岩机/Rock drill	HC95LQW	HC112 (选配)
钎尾尺寸/Rod size	R38/T38	T38/T45/T51
冲击功率/Impact power	21 kW	26kW
频率/Impact Frequency	62 Hz	42-46 Hz
孔径/Hole diameter	Φ42-102 mm	Φ51-1127 mm
推进梁翻转/Beam rotation	360°	
推进梁补偿行程/Feed extension	1 000 mm (4' rods) 1 100 mm (5' rods) 1 400 mm (6' rods)	
钻臂型号/Model of drill boom	KSR30 (telescopic)	
钻臂形式/Form of drill boom	自动持平/Self-leveling	
钻臂伸缩/Boom extension	620 mm	

