



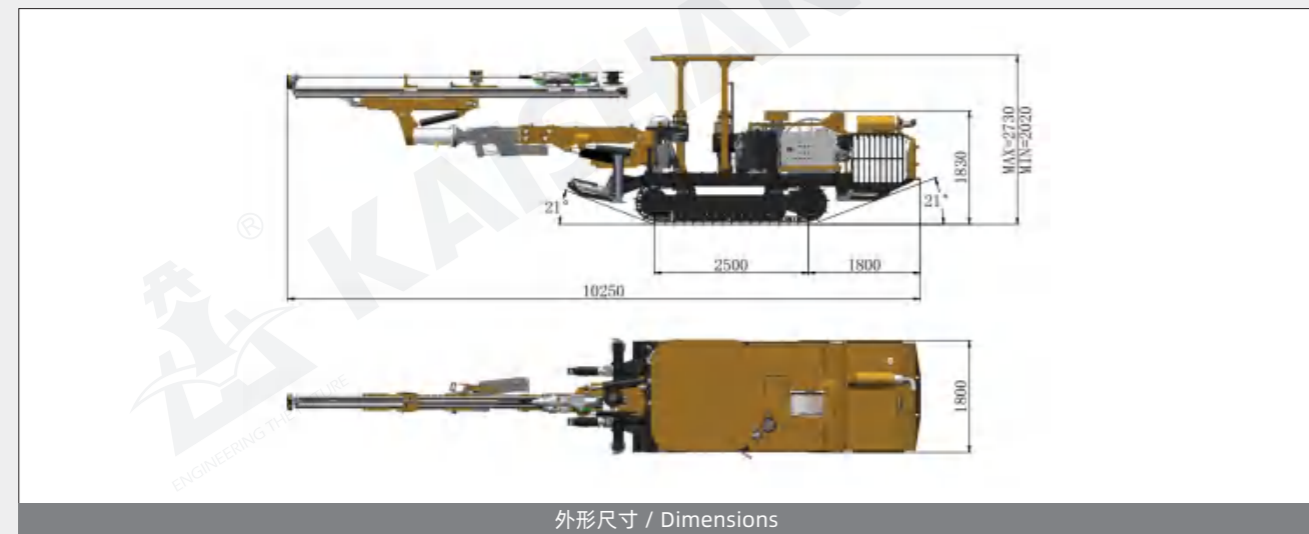
## KJ310型矿用液压掘进钻车

### KJ310 Hydraulic Tunnelling Drilling Rig

#### 用途及特点 / Application and Features

KJ310适用于采矿准备工作和隧道掘进，是独立作业的液压凿岩钻车，可以钻凿垂直、倾斜和水平的炮孔；适用于12-35m<sup>2</sup>断面的硬岩掘进作业。  
 KJ310 hydraulic tunnelling drilling rig used for mining preparations and tunneling, it is an independent working drill rig. It can be used for drilling vertical, inclined and horizontal blast hole, suitable for the hard-rock of any section in the range of 12-35m<sup>2</sup>.

- 坚固可靠的方向钻臂具有最佳断面覆盖形状，推进梁360°翻转和自动持平便于快速方便地实现钻孔定位；
- The firm flexible boom is capable of optical coverage of the section; 360° rotation and self-leveling beam make drill positioning easy;
- 钻臂同时还可用于侧向开石门和锚杆钻孔作业；
- The boom can also be used for the drilling of lateral cross-cut and rock bolting;
- 钻车布置确保操作手视野良好；
- The drill rig provides a good view for the operator;
- 布置平衡，强劲有力的重载底盘确保在巷道中能够灵活，快速，安全行驶；
- Balanced layout and the articulated chassis of four-wheel drive ensure the flexible, fast and safe driving in the narrow tunnel;
- 宽敞的作业空间和一系列自动功能有助于司机集中精力安全、快速、准确地钻进；
- Considerable space and automatic functions enable the driver to concentrate on drilling in a safe, fast and accurate manner;
- 各个维修保养部位均受到良好的保护，同时又易于维护保养。
- All the relevant parts are kept in good protection, meanwhile easy to maintain.



外形尺寸 / Dimensions

#### 技术参数 / Technical Parameters

外形尺寸与重量 / Dimensions and weight		风水路系统 / Air & water system			
长度 / Length	10250mm	空压机 / Air compressor	DLGF 0.7/8-5.5(B)	润滑油油量 Oil Consumption of lubrication	180-250g/h
宽度 / Width	1800mm	排量 / Capacity of air compressor	0.7m <sup>3</sup> /min	水泵功率 Power of water pump	4kW
高度 / Height	2000/2730 mm	压力 / Pressure	8bar	水泵排量 Capacity of water pump	5.8m <sup>3</sup> /h
重量 / Weight	约13500 kg / Appr. 13500kg	钎尾润滑装置 Device of shank lubrication	电磁脉冲润滑泵 Electronic pulse lubrication pump		
行驶速度（水平） Tramming speed on flat ground	2.5km/h	润滑耗气量 Air consumption of lubrication	0.3m <sup>3</sup> /min		
最大爬坡能力 Maximum climbing capacity	20°	<b>底盘 / Chassis</b>			
<b>安全防护 / Safety protection</b>		柴油机 Diesel engine	Cummins B3.9CS4-80C 59KW/2500rpm	转向机构 Steering mechanism	±40°铰接转向 Articulated steering: ±40°
噪音水平 / Noise level	< 100dB(A)	传动系统 Drive system	四轮驱动闭式行走系统 Closed hydraulic system for four-wheel driving	行走制动 Travelling braking	双回路液压制动器 Two-circuit hydraulic brake
可升降安全顶棚 Lifting safety roof	符合防滚翻防落石要求 FOPS & ROPS认证	摆动角 Swing angle	后桥摆动±10° Swing of rear axle: ±10°	驻车制动 Parking braking	减速器多盘湿式制动器 Wet multidisc brake of reducer
		燃油箱 Fuel tank			34L
<b>钻进系统 / Drilling system</b>			<b>电动液压泵站 / Electric hydraulic power unit</b>		
凿岩机 / Rock drill	HC50	HC95 / YYG18U	HC95LMH / YYG22U	电动机 / Motor	75kW
钎尾尺寸 / Rod size	R38 / T38			冲击 / 推进 / 钻臂 / Impact / Feed / Positioning	轴向变量柱塞泵 Axial variable displacement piston pump
冲击功率 / Impact power	13KW	20KW / 18KW	21KW / 22KW	回转 / Rotation	齿轮泵 / Gear pump
频率 / Impact Frequency	62Hz	62Hz / 57Hz	62Hz / 53Hz	过滤精度 / Filter fineness	10μ
孔径 / Hole diameter	Φ32-76mm	Φ42-102 mm	Φ42-102mm	液压油箱 / Hydraulic oil tank	240L
推进梁翻转 / Beam rotation	360°			液压冷却器 / Hydraulic cooler	水冷却器 / Water cooler
推进梁补偿行程 / Feed extension	1600mm			工作电压 / Working voltage	380V
钻臂型号 / Model of drill boom	K 26F			频率 / Frequency	50Hz
钻臂形式 / Form of drill boom	自动持平 / Self-leveling			启动方式 / Starting method	星-三角 / Star-triangle
钻臂伸缩 / Boom extension	1200mm			电缆规格 / Cable specifications	3×50+3G10



断面示意 / Coverage area