

JK930

一体式全液压露天顶锤钻机

**All-in-one fully hydraulic
open-pit Top Hammer Drill Rig**



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JK930一体式全液压露天顶锤钻机是一款灵活的多功能顶锤钻机，针对高要求建筑应用中的高性能而开发和设计。它还是中小型采石场一种非常高效的替代设备。由于钻机重心低且大臂作业距离长，即使在恶劣的地形条件下，也有很高的利用率。配备了法国蒙特贝凿岩机，采用高效螺杆式空气动力，可靠耐用，操作灵活，成孔质量佳，使用寿命长，是各类矿山及工程不二之选。

The JK930 all-in-one fully hydraulic open-pit Top Hammer Drill Rig is a flexible and versatile top hammer drill rig designed and developed for high-performance in demanding construction applications. It is also a highly efficient alternative for small to medium-sized quarries. Due to its low center of gravity and long boom reach, it maintains high utilization even in harsh terrain conditions. Equipped with a French Montabert rock drill and an efficient screw type air compressor from Atlas Copco, it is reliable and durable, with flexible operation, excellent drilling hole quality, and long service life, making it the ideal choice for various mining and engineering projects.



凿岩机 Rock Drill

采用法国蒙特贝HC150型凿岩机21KW冲击功率，钻孔效率高，灵活高效具有冲击频率可调功能，通过在不同岩层条件下灵活改变凿岩机的频率来达到高工作效率。降低成本，使其成为在不同岩层中高效工作。



Equipped with the French Montabert HC150 rock drill with a 21KW impact power, the drilling efficiency is high, offering flexibility and efficiency. It features an adjustable impact frequency function, allowing for the frequency of the rock drill to be flexibly changed under different rock conditions to achieve high working efficiency. This reduces costs, making it highly effective in working across different rock formations.

折叠臂 Folding Boom

折叠式加强型钻臂，满足水平、竖直、斜孔多角度作业，钻孔覆盖面积大，适合各种恶劣地形。

The folding reinforced drill boom allows for multi-angle operations including horizontal, vertical, and inclined drilling, offering a large drilling coverage area suitable for various harsh terrains.



进气系统 Air filter intake system

三级空滤过滤系统，保障发动机、压缩机头进气清洁，第一级空滤为自动反吹空滤，方便快捷，无需人工拆卸清吹，并且避免人为操作导致进气通路进灰，可靠性高。

The three-stage air filtration system ensures clean intake air for the engine and compressor head. The first-stage air filter is an automatic back-flush filter, which is convenient and quick, eliminating the need for manual disassembly and cleaning. This system also prevents dust from entering the intake pathway due to manual operations, ensuring high reliability.



底盘系统 Undercarriage

配置工程机械专用的免维护四轮一带行走系统， $\pm 10^\circ$ 车体浮动角度，坡度行走、作业时随时调节车体角度保障人机安全，通过性强。

Equipped with a maintenance-free four-track walking system designed specifically for construction machinery, with a $\pm 10^\circ$ body float angle. The angle of the body can be adjusted at any time during slope walking and operations to ensure the safety of both the operator and the machine. With a ground clearance of 455mm, it offers strong passability.



推进机构 Feed Mechanism

采用马达+链条推进结构，推进/提升速度快效率高，配置进口品牌伊顿推进马达，性能可靠稳定。

The feed structure utilizes a motor and chain mechanism, ensuring rapid and efficient feed/lift speeds. It is equipped with an imported Eaton feed motor, offering reliable and stable performance.



驾驶室 Cabin



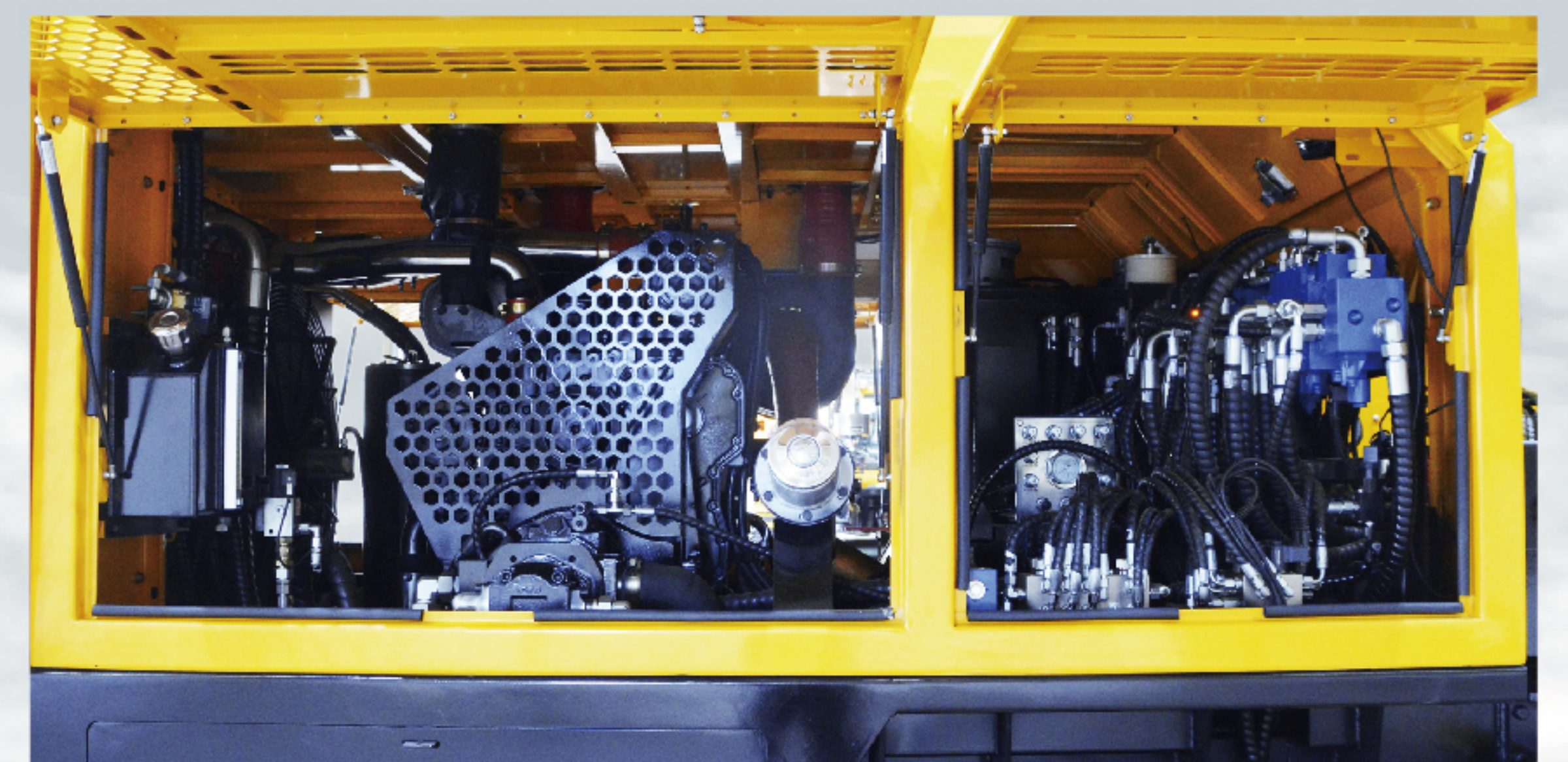
通过防滚翻 (ROPS) 和防落物 (FOPS) 认证的驾驶室既舒适又安全。钻杆操作系统可靠性高, 钻孔工作可以快速平稳进行。钻机设计高效, 维护方便, 可出色完成所有钻孔的工作。

The ROPS and FOPS certified Cabin is comfortable and safe. The drill rod handling system is highly reliable, ensuring that drilling operations can proceed quickly and smoothly. The rig is designed for high efficiency and ease of maintenance, capable of performing all drilling tasks excellently.

发动机 Engine

康明斯QSC8.3-C260-30发动机, 194KW功率输出强劲有力, 性能可靠, 维护保养便捷。

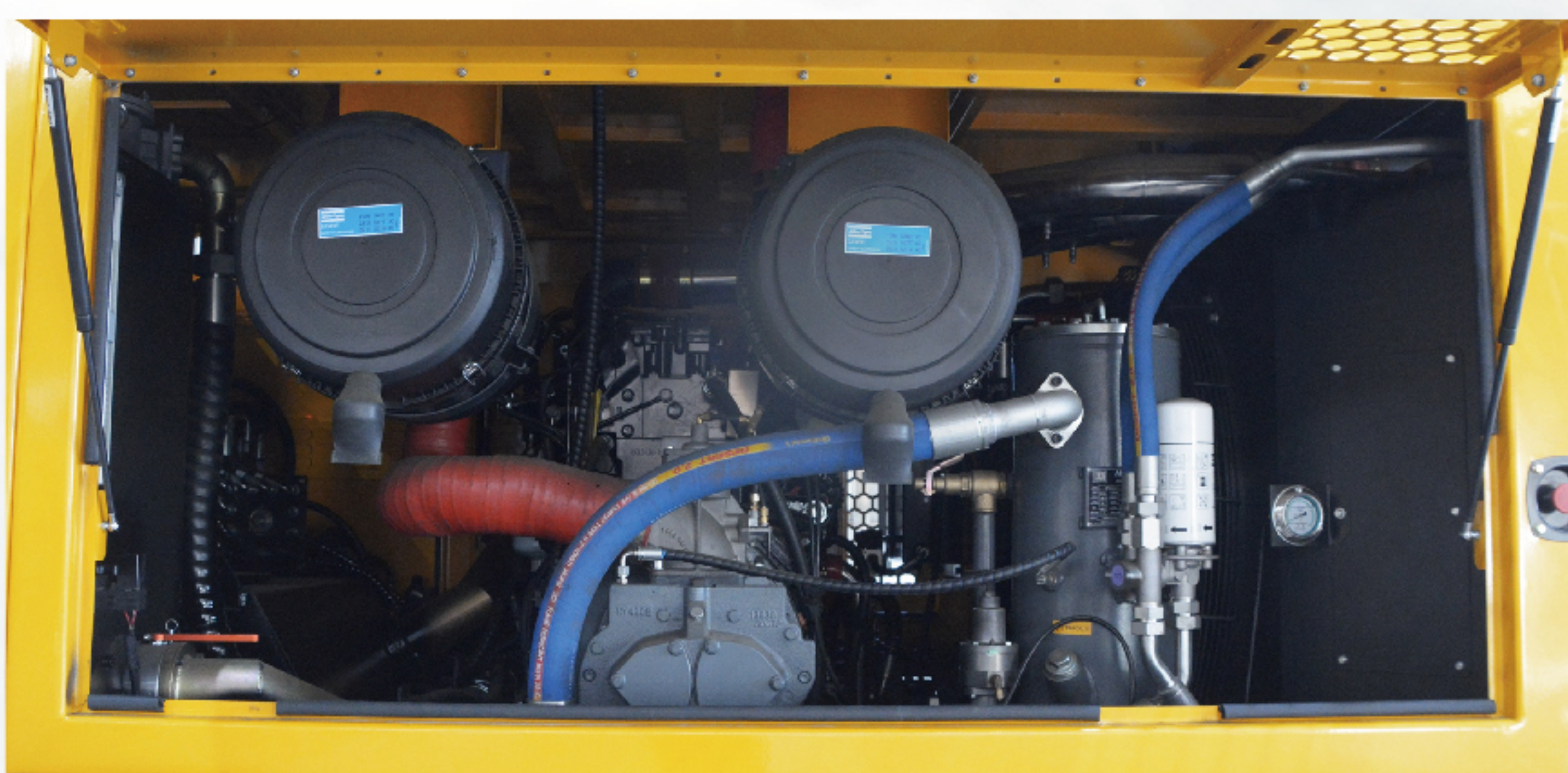
The Cummins QSC8.3-C260-30 engine, with a powerful output of 194KW, offers strong and reliable performance with easy maintenance.



空压机 Air Compressor

配置Atlas Copco空气压缩机头, 性能稳定可靠, 能耗低。

Equipped with Swedish Atlas.Copco air compressor , it offers stable and reliable performance with low energy consumption.



自动换钎系统 Automatic Rod Changing System

配置7根钎杆储杆库, 钎杆规格T45/T51*3660mm, 自动换钎操作简单易于上手, 换钎速度快辅助时间少, 带有钎杆脱落保护装置。

Equipped with 7 drill rod storages, drill rod specifications T45/T51*3660mm, automatic drill rod change operation is simple and easy to use, fast drill rod change speed and less auxiliary time, equipped with drill rod fall protection device

滑架 Steel Mast

采用不锈钢耐磨套保护特殊压制铝合金推进梁, 强度大直线度高, 滑架整体质量轻便、负重低、可靠性高。

The special pressed aluminum alloy feed beam is protected by a stainless steel wear-resistant sleeve, providing high strength and excellent straightness. The overall lightweight design of the feed results in low load and high reliability.



技术参数		Technical parameters	
钻孔范围 Hole range			
钻 孔 直 径	Drilling hole diameter	76-115 mm	
钻 进 深 度	Drilling depth	自动换杆一次性钻孔深度25m Automatic rod change, one-time drilling depth of 25m	
液 压 凿 岩 机 系 统 Hydraulic Rock Drill System			
型 号	Model	HC150	
形 式	Type	液压冲击、独立旋转和自动出渣 Hydraulic impact, independent rotation and automatic slag blowing	
冲 击 功 率	Impact power	21KW	
冲 击 频 率	Impact frequency	38-41 Hz	
冲 击 压 力	Impact pressure	Max.140bar	
回 转 速 度	Rotation rate	0-145r/min	
回 转 扭 矩	Rotation torque	883N·m	
钎尾润滑形式	Bit shank lubrication method	气雾润滑 Aerosol lubrication	
出渣形式	Slag discharge method	压缩空气吹渣 Compressed air blowing slag	
自 动 换 杆 器 Automatic Rod Changing System			
储存钻杆数量	Qty of stored drill rods	储杆器7根	7 Pcs in carousel
钻杆直径	Drill rod diameter	T45, T51	
钻杆长度	Drill rod length	3660mm	
空 气 压 缩 机 Air Compressor			
形式	Type	单级螺杆压缩 Single stage screw type compressor	
排渣能力	Slag blowing capacity	8bar时, 排气量为10m³/min At 8bar/hr working pressure FAD is 10m³/min	
动 力 系 统 Powertrain			
型号和制造厂家	Model and Manufacturer	康明斯QSC8.3-C260-30	Cummins QSC8.3-C260-30
额定输出功率和额定转速	Rated output power and rated Speed	194KW/2200 RPM	
柴油箱容量	Diesel fuel tank Capacity	500L	
钻 臂 Boom			
形式	Type	折叠式大臂 Folding type boom	
摆动角度(左/右)	Swing angle (leftward/rightward)	20°/ 25°	
垂直开孔高度	Vertical hole opening height	水平面, 上至2米, 下至3.7米	Horizontal plane, up to 2m ,down to 3.7 m
水平钻孔高度	Horizontal drilling height	Max. 6.26 m	
垂直钻孔覆盖范围	Vertical Drilling Coverage Area	13 sq.m	
推 进 梁 Feed			
推进梁长度(包括顶尖)	Feed Length (including tip)	7945 mm	
推进梁行程	Feeding stroke	4300 mm	
底 盘 系 统 Undercarriage			
履带板宽度	Track plate length	350 mm	
履带仰俯角度	Track oscillation	±10°	
最大行走速度	Max.tramming speed	3.6km/h	
爬坡角度	Grade ability	Max.30°	
车 体 规 格 (运 输 状 态) Undercarriage			
全长	Length	11800mm	
全宽	Width	2600mm	
全高	Height	3200mm	
重量	Height	16.5T	