

科技中联，匠心相伴 ZOOMLION TECHNOLOGY WITH INGENUITY AND CARE



全球领先的矿山机械全流程智能制造工厂

The world's leading full-process smart mining machinery manufacturing factory

中联重科矿山机械公司拥有全球领先的智能化、绿色化、国际化的智能生产线，涵盖露天矿山机械的“钻、挖、装、运、破”等采矿全流程高端装备产品。以高标准加工、装配工艺和严苛的品质管控，让每一台交付的机器都具备极致品质。

Zoomlion Mining Machinery Company possesses globally leading intelligent production lines featuring smart, environment-friendly and internationalized technologies, covering high-end machinery for the full process of open-pit mining, including "drilling, digging, loading, hauling and crushing". Built with advanced processing and assembly techniques and rigorous quality control, each machine delivered embodies the highest level of quality.

ZOOMLION

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Note: Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.



ZOOMLION ELECTRIC DRIVE DUMP TRUCK

中联重科电传动自卸车
ZTE210



ZOOMLION

VISION CREATES FUTURE

思想构筑未来

ZTE210

发动机额定功率 Engine Rated Power: 1045 kW @ 1800 rpm

额定载重 Rated Payload: 120000 kg

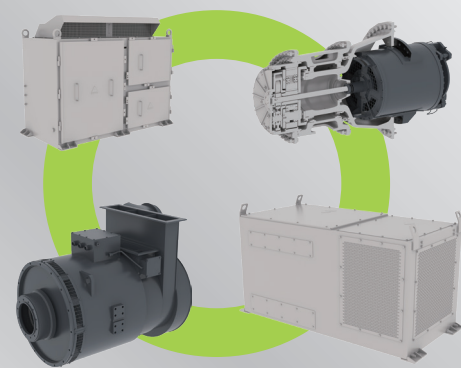
整车质量 Curb Weight: 90000 kg

车厢容积 Body Capacity: 70 m³



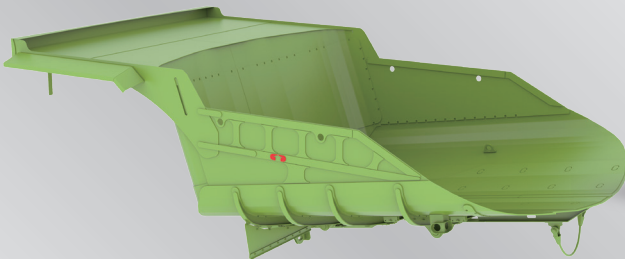
HIGH EFFICIENCY AND ENERGY SAVING

高效节能



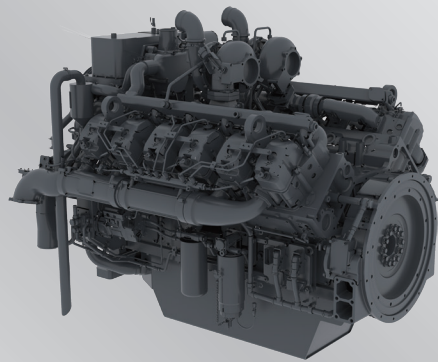
国际先进的第三代交-直-交电驱系统：比机械传动领先2代技术，比直流车牵引能力高10%，匹配先进行车控制策略，大幅提升矿卡行驶安全性。

The globally advanced third-generation AC-DC-AC electric drive system: Standing two generations ahead of mechanical transmission technologies, it delivers 10% greater rimpull than DC-powered vehicles. Paired with advanced driving control strategies, it remarkably improves the operational safety of mining trucks.



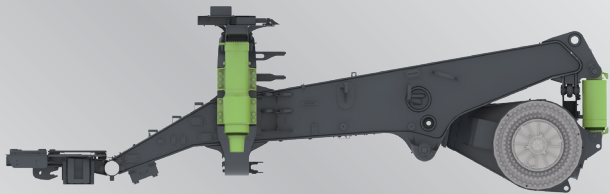
标配70m³大容量、轻量化货厢；
主体NM450+筋板Q690E材料，耐用性更好；
大圆弧过渡，物料对中性好，不易粘料，卸料快20%。

It comes standard with a 70 m³ large-capacity lightweight body;
The main body is made of NM450 material and the stiffening plates are made of Q690E material, providing superior durability;
Featuring a large-arc transition curve design, it ensures excellent material centering, minimal adhesion, and a 20% increase in dump speed.



广西玉柴电控 V12 发动机，性能强悍，可靠性高，马力的可达1450匹，同吨位矿卡动力最强，最高车速51km/h，爬坡速度快，运输效率高10%

The YUCHAI electronically controlled V12 engine delivers robust performance and exceptional reliability. Generating up to 1,450 horsepower, it offers the comprehensively strongest power among mining trucks in the same tonnage, achieving a maximum speed of 51 km/h, together with high climbing speed, and 10% improvement in haulage efficiency.



油气悬挂：承载能力强，故障率低，适应各种复杂工况。

Hydro-pneumatic suspension: Strong load-bearing capacity, low failure rate, and adaptable to various complex working conditions

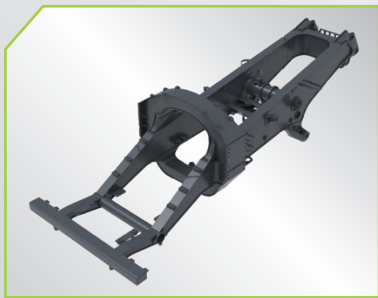
SAFE AND RELIABLE

安全可靠



设计合理的安全配置:
全自动灭火系统; 整机灭火点位12 个急停开关

Rationally designed safety configurations:
Full-automatic fire extinguishing system with 12 emergency stop buttons positioned across the fire suppression points on the machine



两纵四横箱型焊接车架:
主体为高强度合金钢, 应力集中位置采用铸钢件, 设计寿命大于六万小时。
Two-longitudinal and four-transverse box-shaped welded frame:
The main body is crafted from high-strength alloy steel, with cast steel applied to stress-concentrated areas, ensuring a designed service life exceeding 60,000 hours.

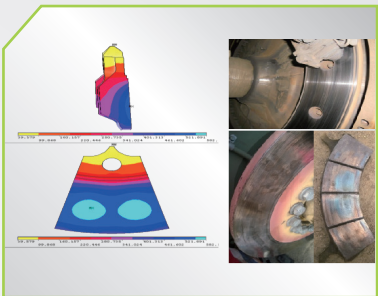


长寿命轮边减速器, 抗冲击能力强
Long-life wheel-rim reducer with strong impact resistance.



驾驶室防爆胎功能:
底部箱型结构, 有效保护驾驶员生命安全。

Cab protection in case of tire blowout:
Featuring a bottom box-shaped structure, it will effectively protect the safety of driver.

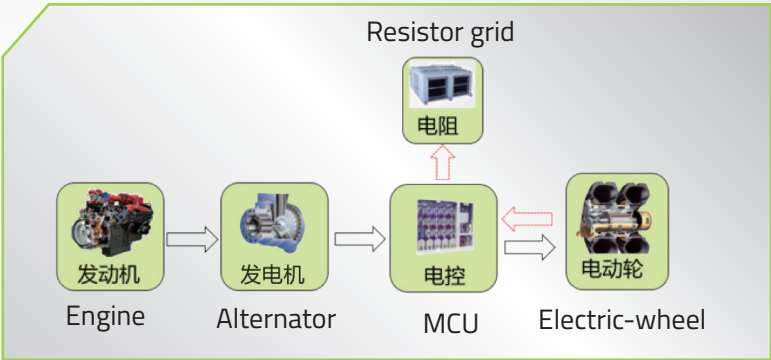


液压机械制动:
合金锻钢盘+铜基粉末冶金摩擦副, 寿命可达10000小时。

Hydraulic mechanical braking:
Alloy forged steel discs paired with copper-based powder metallurgy friction pairs ensure a service life of up to 10,000 hours.

双回路液压制动:
具备行车制动、装载制动、驻车制动、紧急制动功能

Dual circuit hydraulic brake:
With dual-circuit hydraulic braking, it is equipped with service braking, loading braking, parking braking and emergency braking functions.



电制动:
功率可达1440kW, 无机械接触, 可靠性高

Electric braking:
With a power output of up to 1440 kW without mechanical contact, it ensures high reliability.

COMFORTABLE CONTROL

舒适操控



驾驶室：内置ROPS和FOPS结构，驾驶室骨架内、底部静音设计，噪声低。

Cab:
Integrated ROPS and FOPS structures, with soundproof design on the cab frame interior and bottom, ensuring low noise levels.



自带电子泵的空气减震座椅，大幅减少来自路面的振动。

Air-cushioned seat with built-in electric pump, significantly reducing road-induced vibrations.



人机工程学布局：操作方便。

Ergonomic layout: Easy to operate.

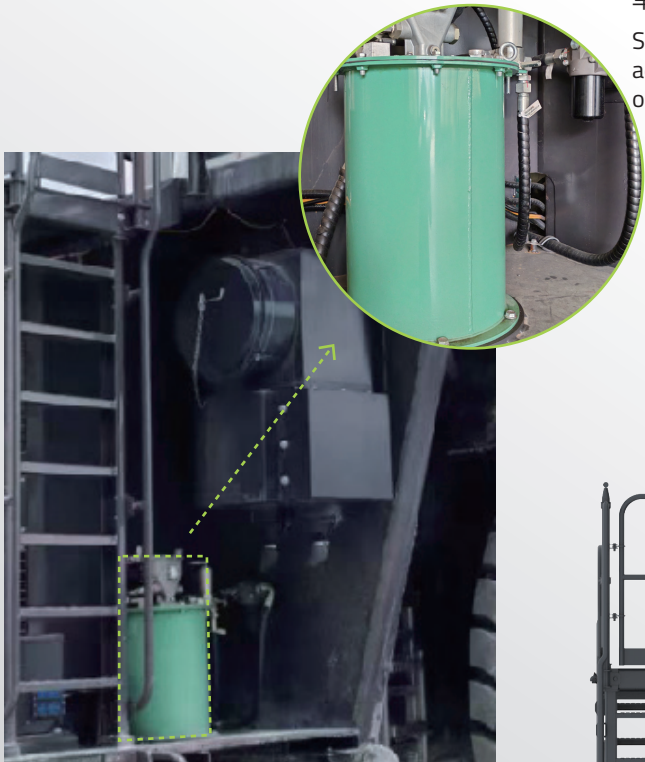


增压系统，有效隔绝外部灰尘。

Pressurization system with effective external dust isolation.

CONVENIENT MAINTENANCE

维保便捷

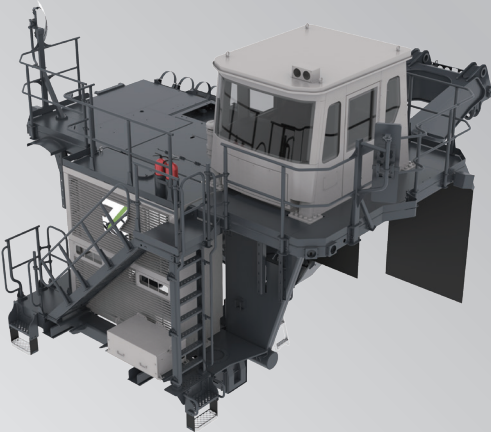


集中加注，一站式完成油液加注（润滑脂、冷却液、液压油等）
Centralized refilling:
One-stop completion of oil refilling (lubricating grease, coolant, hydraulic oil, etc.)

单线式集中润滑，注油器出口排量可调节
Single-line centralized lubrication system with adjustable displacement at the oil lubricator outlet.



燃油加注口分布在车架两侧，接近地面，可快速加注
Fuel fillers are distributed on both sides of the frame, positioned close to the ground for quick refueling.



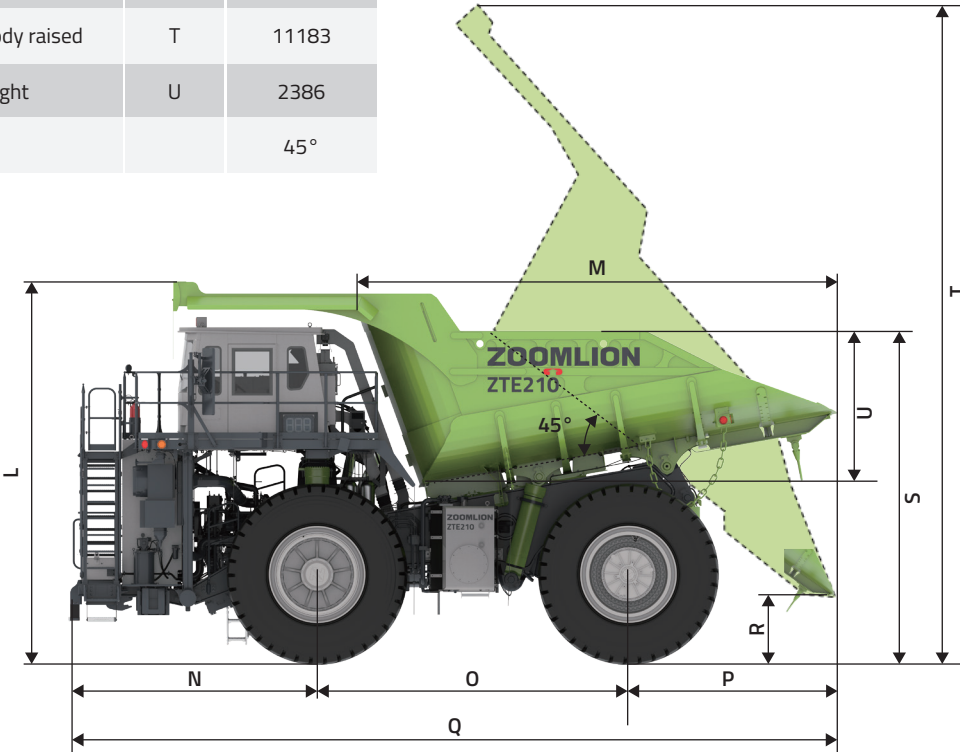
通道便利：一主一辅上车梯，平台开阔
Convenient walkways:
One primary boarding ladder and two auxiliary ones, accompanied by a generously spacious platform.

TECHNICAL SPECIFICATIONS

技术参数

类别CATEGORY	项目ITEMS		单位UNIT	ZTE210
重量参数 WEIGHT PARAMETERS	整车总质量 Total machine weight		kg	210000
	额定载重 Rated payload		kg	120000
	空载车重 Empty machine weight		kg	90000
质量分布 MASS DISTRIBUTION	空载 Empty	前桥 Front axle	kg	45000 (50%)
		后桥 Rear axle	kg	45000(50%)
	满载 Loaded	前桥 Front axle	kg	69300 (33%)
		后桥 Rear axle	kg	140700 (67%)
动力参数 POWER PARAMETERS	发动机型号 Engine model		/	YC12VTD1450-T300
	发动机额定功率 Engine rated power		kW/ rpm	1045/1800
	发动机最大扭矩 Engine max. torque		Nm/rpm	6105/1300
	发动机排量 Engine displacement		L	39.2
	排放标准 Emission standard		/	GB 20891-2014 国III
	驱动形式 Drive type		/	4×2
	轮胎 Tire		/	30.00R51
行驶参数 DRIVING PARAMETERS	最高行驶速度 Max. speed		km/h	51
	最小转弯直径 Min. turning diameter		m	24.6
	最大爬坡度 Max. gradeability		%	24
	最小离地间隙 Min. ground clearance		mm	570
保养容量 MAINTENANCE CAPACITY	燃油箱 Fuel tank		L	1200
	液压油箱 Hydraulic tank		L	650
	冷却系统 Cooling system		L	300
	机油 Engine oil		L	215
	齿轮油箱 Gear oil tank		L	50×2
货厢容积 BODY CAPACITY	标配2:1堆装 Heaped (SAE 2:1)		m³	70

参数描述 PARAMETER DISCRIPTIONS	代号CODE	ZTE210 (mm)
行驶宽度 Overall machine width	A	7100
货厢外宽 Outside body width	B	5832
货厢内宽 Inside body width	C	5750
后轮内侧距 Inner front tire width	D	2130
后轮距 Centerline rear dual tire width	E	3958
后轮外侧距 Overall tire width	F	5810
带挡料板宽度 Operating width	G	6230
最小离地间隙 Min. ground clearance	H	725
前轮内侧距 Inner front tire width	I	3861
前轮距 Centerline front tire width	J	4691
前轮外侧距 Front tire width	K	5520
整机高度 Overall machine height	L	6050
货厢内长 Inside body length	M	7730
前悬距 Front overhang	N	3770
轴距 Wheelbase	O	5000
后悬距 Rear overhang	P	3295
整机长度 Overall machine length	Q	12065
卸料高度 Dump height	R	1473
装载高度 Loading height	S	5300
货厢举升高 Overall height – body raised	T	11183
货厢内高 Inside body height	U	2386
卸料角度 Dump angle		45°



系统 SYSTEM	标准配置 STANDARD EQUIPMENT	ZTE210
动力系统 POWER SYSTEM	燃油滤清器级数 Fuel filter stages	3
	空气滤清器 Air filter	●
	发动机独立散热 Engine independent cooling	●
	散热器液位指示器 Coolant level indicator	●
	散热器风扇护罩 Radiator fan guard	●
	机油过滤器 Engine oil filter	●
	可拆卸动力总成 Removeable powertrain	●
	发动机急停按钮-地面 Engine emergency stop button - ground	●
	传动轴防护罩 Drive shaft guard	●
	燃油箱 Fuel tank	●
	倒车影像 Back-up camera	●
	倒车报警器 Back-up alarm	●
	急停开关 Emergency stop button	●
电气系统 ELECTRICAL SYSTEM	交流发电机 Alternator	●
	电启动 Electric start	●
	变流器 Converter	●
	电缓行巡航系统 TElectric retarding system	●
	电源供应 Power supply	●24V直流 DC
	GPS	●
	蓄电池 Battery	●225Ah
	全液压转向 Full-hydraulic steering	●
	吸油、高压、回油三重过滤器 Oil suction, high pressure and return-line filters	●
	应急转向制动 Emergency steering brake	●
液压系统 HYDRAULIC SYSTEM	温控独立散热系统 Independent cooling system	●
	自动润滑 Automatic lubrication	●
	车架 Frame	●
结构件 STRUCTURAL PARTS	货厢 Body	●轻量化耐磨 Lightweight wear-resistant
	货厢限位装置 Body limiter	●
	防滑甲板、楼梯 Slip-resistant deck and staircase	●
	穿过格栅的登车斜梯 Diagonal staircase across grille	●
	甲板防护扶手 Protective deck handrails	●
	防滑通道 Slip-resistant walkways	●
	发动机检修平台 Engine access platform	●
	前悬架 Front suspension	●油气悬架 Hydro-pneumatic
	后悬架 Rear suspension	●油气悬架 Hydro-pneumatic
底盘系统 CHASSIS	双回路制动 Dual circuit brake	●
	干盘式制动器 Dry disc brake	●
	轮胎 Tire	●30.00R51
	行车制动 Service brake	●全液压（具有自动投入功能） Full-hydraulic (with auto-activation)
	举升牵引连锁装置 Hoist and traction interlock device	●
	制动与牵引互锁 Braking and traction interlock	●
	驻车制动器 Parking brake	●
	动力转向系统 Power steering system	●带自动辅助转向 Automatic secondary steering system
	整体式ROPS/FOPS驾驶室 Integral ROPS/FOPS cab	●
	增压系统 Pressurization system	●
驾驶室 CAB	车载显示屏 On-board monitor	●12.1英寸液晶 12.1-inch LCD

系统SYSTEM	标准配置 STANDARD EQUIPMENT	ZTE210
驾驶室 CAB	仪表 Instrument	●12.3英寸组合 12.3-inch set
	减震座椅 Shock-absorption seat	●刚度可调 Adjustable
	三点式安全带 Three-point seat belt	●
	杯托 Cup holder	●
	逃生锤 Safety hamme	●
	空调 Air conditioner	●
	灭火器 Fire extinguisher	●
	副座椅 Passenger seat	●
	遮阳帘 Sunshade curtain	●
	遮阳板(可调) Sun visor (adjustable)	●
	电动车窗 Power window	●
	伸缩/倾斜可调转向柱 Tilt and telescoping steering column	●
	地板垫 Floor mat	●
	收音机 Radio	●
	点烟器 Cigarette lighter	●
	储物袋 Storage bag	●
	衣帽钩 Coat hook	●
	玻璃除霜 Glass defroster	●
	左侧后视镜 Left rearview mirror	●带加热平面镜 Heatable flat mirror
	右侧后视镜 Right rearview mirror	●带加热凸面镜 Heatable flat mirror
其他 OTHER	喇叭 Horn	●
	货厢安全绳 Body safety rope	●
	快速加注燃油系统 Quick refueling system	●
	维护电源锁 Maintenance power lockout	●
	打石链 Rock ejector	●
	燃油箱梯 Fuel tank ladder	●

系统 SYSTEM	适应性选配 ADAPTIVE OPTIONAL EQUIPMENT	ZTE210
通用选装配置 GENERAL	集中加注系统 Centralized refill system	○
	货厢耐磨衬板 Wear-resistant body liner plate	○
	货厢加热 Body heating	○
	轮胎 Tire	○33.00R51
	全自动集中灭火 Automatic centralized fire extinguishing	○
	定制化货厢 Customized body	○
	快装轮毂 Quick-change hub	○
	胎温监测系统 Tire temperature monitoring system	○
	胎压监测系统 Tire pressure monitoring system	○
	智能称重系统 Smart weighing system	○
	360°全景影像 360° surround view camera	○
	发动机油路加热器 Engine oil circuit heater	○
极寒套件包 (使用环境≥-40℃) EXTREME-COLD KIT (TEMPERATURE≥-40℃)	发动机缸体预热器 Engine cylinder block pre-heater	○
	发动机机油加热器 Engine oil heater	○
	蓄电池加热器 Battery heater	○
	弱电柜加热器 ELV heater	○
	液压油加热器 Hydraulic oil heater	○
	驾驶室空气加热器 Air heater of cab	○