

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.



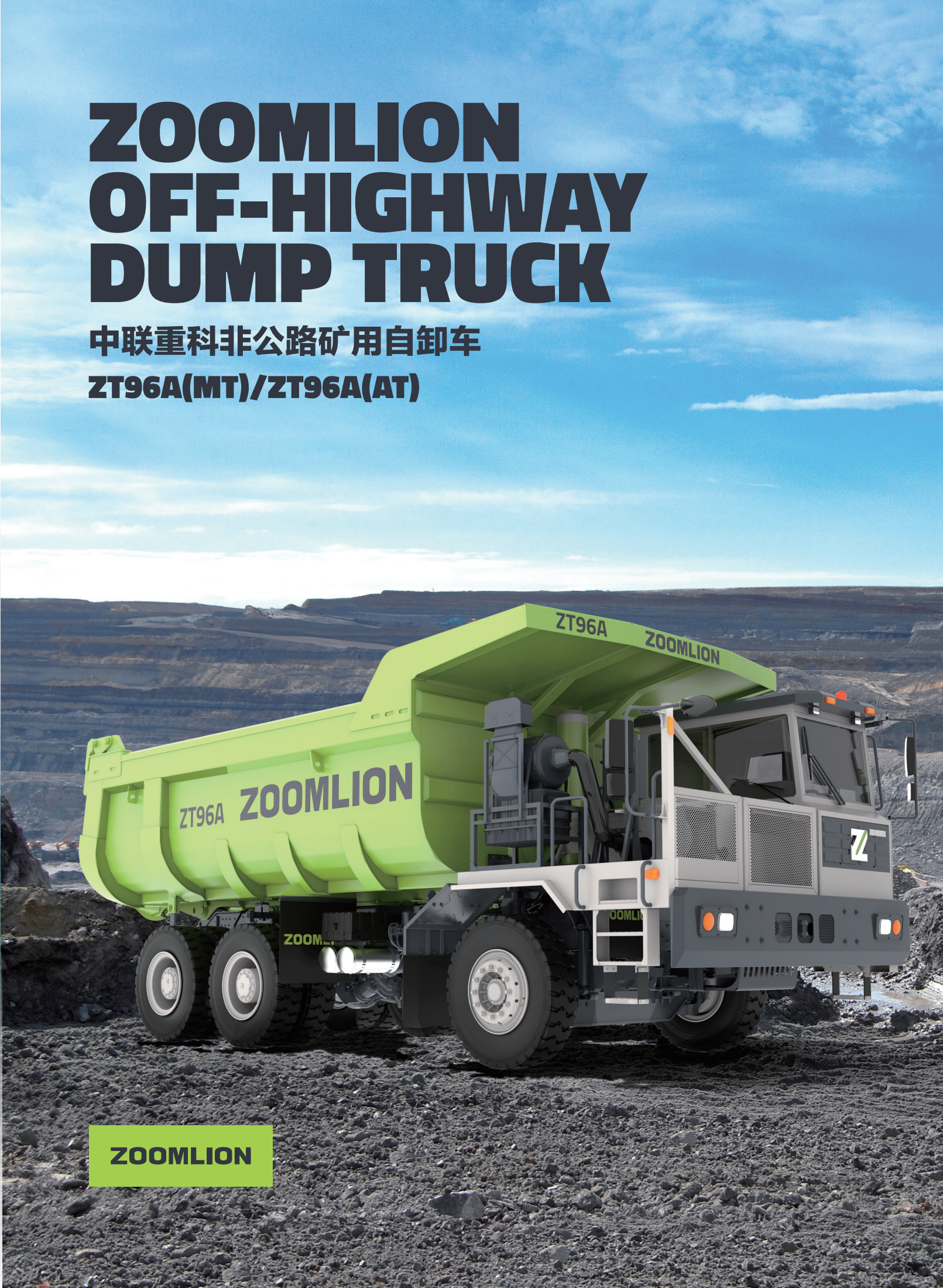
Zoomlion Heavy Industry Science & Technology Co.,Ltd.

ADD: Smart City Headquarters Building, No.613 Naqiu Road, Wangcheng District, Changsha, Hunan, China Email: earthmoving@zoomlion.com
Copyright©2025 Zoomlion. All rights reserved. Reproduction and copying of any part of contents is not allowed for any purposes without Zoomlion's approval.
Note: Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.



ZOOMLION OFF-HIGHWAY DUMP TRUCK

中联重科非公路矿用自卸车
ZT96A(MT)/ZT96A(AT)



VISION CREATES FUTURE



发动机功率：
Engine Rated Power：
353kW

额定载重：
Rated Payload：
62000 kg

整备质量：
Curb Weight：
30000 kg

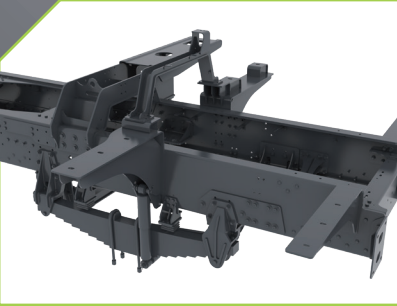
车厢容积：
Body Capacity：
30/36 m³

CONFIGURATION & EFFICIENCY

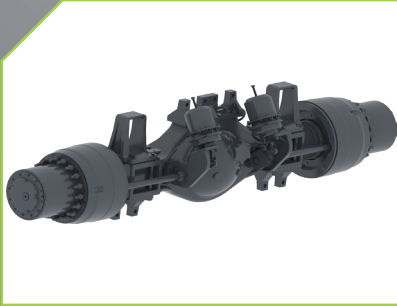
配置与效率

ZT96A(MT)/ZT96A(AT)非公路自卸车是中联重科股份有限公司的主打产品，发动机选用玉柴 YC6K480-GT30，ZT96A(MT)采用8档高扭矩手动变速器，ZT96A(AT)采用6档高扭矩柔性自动变速器，采用双层铆接式加强型车架（局部4层）、大速比驱动桥、矿用U型翘尾货厢结构、驱动型式为6×4。

The ZT96A(MT)/ZT96A(AT) dump trucks are flagship models of Zoomlion Heavy Industry Science and Technology Co., Ltd. They are fitted with the Yuchai YC6K480-GT30 engine. The ZT96A(MT) is equipped with an 8-speed high-torque manual transmission, while the ZT96A(AT) uses a 6-speed high-torque flexible automatic transmission. Both models feature a double-layer riveted reinforced frame (four-layer structure in partial areas), high-speed ratio drive axles and a U-shaped cargo body with an upturned tail. The drive configuration is 6×4.



加强型车架
Reinforced frame

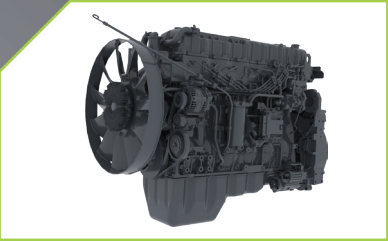


大速比驱动桥
Large ratio drive axle



U型翘尾货箱
U-shaped upturned cargo box

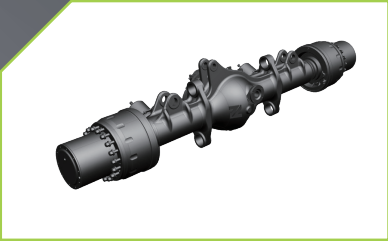
动力系统 POWER SYSTEM



发动机 ENGINE

型号：YC6K480-GT30
额定功率：353kW
最大扭矩：2200Nm/1100~1500r/min
型式：直列、水冷、四冲程、电控高压共轨；

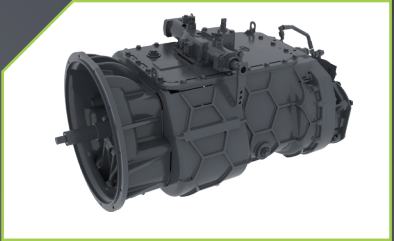
Model: YC6K480-GT30
Rated power: 353kW Max.
Torque/revs: 2200Nm/1100~1500r/min
Type: Four stroke cycles, high-pressure common-rail electrically controlled



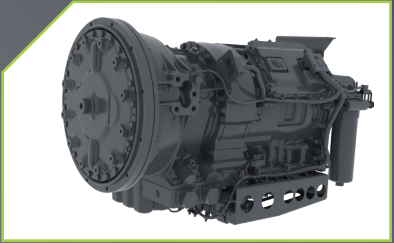
车桥 AXLE

选用新型材料，先进工艺加工而成的桥壳保证整机的可靠运行。总成强度高，承载能力强，耐冲击载荷不易变形；严格的质量管理体系，主要零部件总成选用国内知名厂家配套件。针对不同使用工况，量身打造矿用专用工程车桥，针对性改进、强化，加强桥壳、齿轮设计，极大满足用户低速、重载的要求。

The axle housing is made of new materials and processed by advanced technology to ensure the reliable operation of the whole machine. The assembly has high strength, strong load-bearing capacity, and resistance to impact load, which is not easy to deform. The machine boasts mining-specific engineering axle for different working conditions. The improved, strengthened and reinforced axle housing and gear meet the demand of users for low-speed and heavy-duty operation.



8MT 手动变速箱 8MT MANUAL TRANSMISSION



6AT 自动变速箱 6AT AUTOMATIC TRANSMISSION

ZT96A(MT)采用8档高扭矩手动变速器，ZT96A(AT)采用6档高扭矩柔性自动变速器，优化档位控制策略，提高发动机在常用工况下的负荷率，提高整车燃油经济性

The ZT96A(MT) adopts 8-speed high-torque manual transmission. ZT96A(AT) adopts 6-speed high-torque flexible automatic transmission. The optimized gear control strategy improves the engine load rate in common working conditions, thereby enhancing the machine's overall fuel economy.



DRIVING SAFETY

驾乘安全



特色悬挂系统 FEATURED SUSPENSION SYSTEM

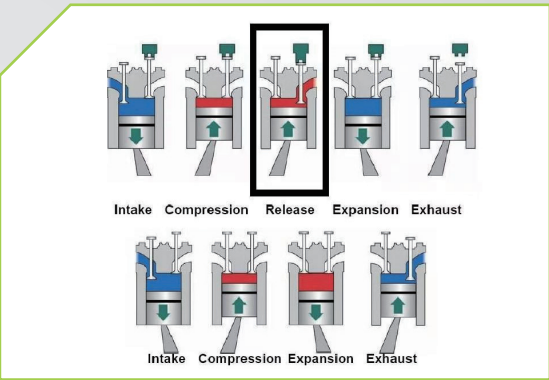
前悬架采用非独立悬架，车轮定位可靠，行驶稳定、舒适。前悬挂采用钢板弹簧+双作用筒式减震器，行驶平顺，驾驶舒适；中、后车桥通过钢板弹簧和拉杆与车架连接，能够适应承载和路面状况的变化，可靠性高。

The non-independent front suspension enables reliable wheel alignment, and stable and comfortable driving. The leaf springs and double acting cylinder shock absorbers of the front suspension allow for smooth and comfortable driving experience. The intermediate and rear axles are connected to the frame through leaf springs and rods, which can adapt to changes in load and road conditions, ensuring high reliability.

超强的制动能力 SUPER STRONG BRAKING ABILITY

发动机带缸内制动,适应长下坡工况，可减少行车制动的频率，减少刹车片的磨损，延长使用寿命；采用双回路制动、双气室行驶一体鼓式制动，大流量继动阀，响应时间快，提高制动可靠性；

The engine brake is applicable to long downhill conditions, which reduces the frequency of braking, thus mitigating brake pad wear and extending service life. The dual-circuit braking system, along with the dual-chamber park-and-service drum brake and high-flow relay valve, allows for quick response times and enhances braking reliability.



采用全液动力转向，配合双作用转向油缸，使转向更加轻便灵活，大大减轻司机的疲劳度，带来更好的驾驶体验。转向梯形，适应大角度转向，减少轮胎磨损

Adopts full hydraulic power steering, combined with a double acting steering cylinder, making the steering more lightweight and flexible, greatly reducing the driver's fatigue and bringing a better driving experience. Turning trapezoidal, suitable for large angle steering, reducing tire wear.

采用成熟液压举升系统，货厢举升动作通过一个举升阀组，操纵伸缩式多节油缸完成。

Adopts a mature hydraulic lifting system, where the body lifting action is completed through a multi-stage telescopic cylinder operated by a lifting valve group.





COMFORT & INTELLIGENCE

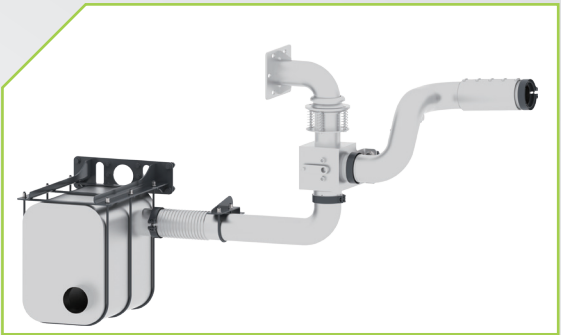
舒适智能

偏置窄体驾驶室，视野开阔。各种显示仪表、报警器、照明、控制开关、收音机、可调减振作业，电动风挡雨刷及清洗器、冷暖空调等配备齐全。驾驶室采用加厚的钢板与橡塑海绵组成的复合式底板结构，隔音降噪，且可防轮胎爆炸，保障驾驶员的生命安全。

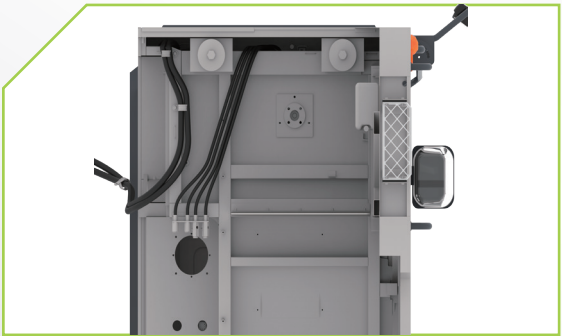
The offset narrow-body cab provides a wide field of vision. It is fully equipped with display instruments, alarms, lightings, control switches, radios, electric wiper and washer, air conditioner (cool & warm) and adjustable shock-absorbing seat. The cab also adopts a composite floor structure made of thickened steel plate and rubber-plastic sponge, which features outstanding noise reduction capabilities and can prevent tire blowout for drivers' safety.



低噪传动轴
Low noise drive shafts
减小传动轰鸣
Reduced transmission rumble



优化消声结构
Optimise muffling structure
降低排气噪声
Reduce exhaust noise



驾驶室底部结构加强
Reinforced cab bottom structure
降低共振噪声
Reduced resonant noise



静音玻璃
Sound-suppressed glass
全方位隔绝噪声，噪声小于79dB
All-round noise isolation, with noise less than 79 dB

CUSTOMER SERVICE

客户服务

中联重科随时提供各种服务内容、专业服务团队、全球服务网络和系统化的技术支持,无论您身处世界何时何地,均可应您的要求提供有效的响应和解决方案。

Various service content, professional service teams, global service networks and systematic technical support are readily available from Zoomlion for an effective response and solution upon your request no matter where you are in the world and what time it is.

ZOOMLION GENUINE PARTS

中联重科纯正配件

使用中联重科纯正配件可使设备保持最佳的可靠性和生产力, 请从中联重科或中联重科授权代理商购买配件。

The use of ZOOMLION genuine parts can maintain the best reliability and productivity of the machine, Please purchase parts from ZOOMLION or ZOOMLION authorized dealers.

中联重科配件库已准备了充足的库存, 一旦收到您的订单, 我们将第一时间从最近的配送中心发出您所需要的配件。

ZOOMLION spare parts warehouses have prepared sufficient inventory. We will send you the parts you need from the nearest distribution center once we get your order.

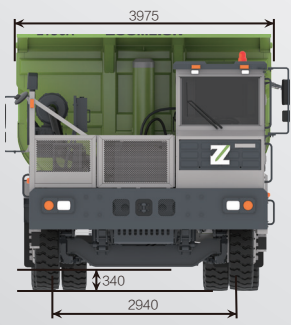
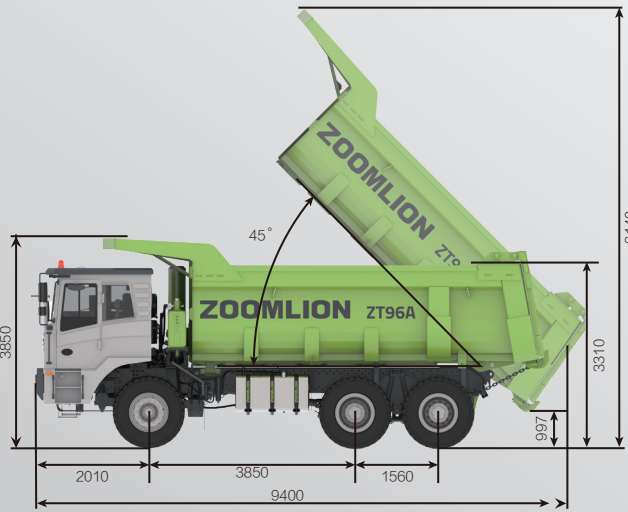


TECHNICAL SPECIFICATIONS

技术参数

Main Parameters	Unit	Value
Curb weight	t	30
Rated payload	t	62
Max. speed	km/h	41(MT)
Max. gradeability	%	33
Min. turning radius	m	12
Capacity (struck)	m³	30
Capacity (heaped 2:1)	m³	36
Tires	/	14.00R25

Main Parameters	Unit	Value
Engine model	/	YC6K480-GT30
Engine displacement	L	12.16
Emission standard	/	China Non-road Stage III
Rated power	kW	353
Max. torque	N · m/rpm	2200/(1100-1500)(N-m/rpm)
Transmission (MT)	/	Z8S240A
Transmission (AT)	/	FC6A250
Steering system	/	Fully hydraulic



运输方案

可用平板车将整车拖运至目的地，板车平板高度≤1m，长度要求≥12m；

It can be hauled to the destination with a flatbed truck, the truck' flat should be less higher than 1m,t he truck' flat should be longer than 12m.

参数 Parameter	总重 Weight	宽 Width	长 Length	高 Height (空载 no load)
单位 Unit	t	mm	mm	mm
ZT96A(MT)	30	4000	9400	3950

		ZT96A(MT/AT)
动力系统 POWER SYSTEM		
发动机 Engine		玉柴12.16L Yuchai 12.16L
发动机排放 Engine emission		国三 NR3
功率(kW/rpm) Power (kW/rpm)		353/1900
三级柴油滤清器 Three-stage diesel filter		●
空气滤清器 Air filter		●油浴式空气滤清器 ●Oil bath air filter
货箱排气加热 Body exhaust heating		●
燃油箱(选一项) Fuel tank(Select one)	双腔 Dual-chamber	×
	单腔 Single-chamber	●600L单腔燃油箱 ●600L single-chamber fuel tank
消音器 Muffler		●
电气系统 ELECTRICAL SYSTEM		
倒车报警器 Backup alarm		●
急停开关 Emergency stop button		●
24V Power port 24V Power port		●
监控+娱乐(选一项) Monitoring+entertainment (Select one)	娱乐 Entertainment	●多媒体屏 ●Multimedia screen
	后视摄像头 Rearview camera	○倒车影像+多媒体屏 ○Reversing video camera +multimedia screen
	前后左右摄像头 Cameras (Front, rear, left and right)	○四路监控 ○4 channel cameras
行车照明灯 Roading lighting		●
驾驶室顶旋转警示灯 Rotating beacon on the cab top		●
倒车工作照明灯（左右后） Backup lighting (Left, right and rear)		●
前后雾灯 Fog lights (Front and rear)		●
GPS GPS		●
蓄电池 Battery		●2块 ●*2
液压系统 HYDRAULICS		
举升缸(单缸前举) Lift cylinder (single cylinder front lift)		●
全液压转向 Full hydraulic steering		●
应急转向系统 Emergency steering system		○
传动系统 DRIVE TRAIN		
变速箱+离合器(选一项) Transmission+Clutch (select one)	手动挡(MT)+离合器 Manual Transmission (MT) + Clutch	●中联重科Z8S240A变速箱+法士特伊顿离合器 ●ZOOMLION Z8S240A Transmission + FAST EATON clutch
	自动挡(AT) Automatic Transmission (AT)	●双特-FC6A250 FC-FC6A250
车桥 Axle		中联重科 26t+35t+35t ZOOMLION 26t+35t+35t
轮胎(选一项) Tire (Select one)	普通传动轴 Standard drive shaft	●前后:14.00R25-301 ●Front and rear: 14.00R25-301
		○前后:14.00R25-耐热型 ○Front and rear: 14.00R25-Heat-resistant
		○前后:14.00R25-硬质矿 ○Front and rear:14.00R25-Hard rock
传动轴(选一项) Drive shaft (Choose one)		●

		ZT96A(MT/AT)
制动系统 BRAKING SYSTEM		
行车制动器 Service brake		●前、后独立双回路气控制 ●Front and rear independent dual-circuit air control
驻车制动器 Parking brake		●鼓式制动器 ●Drum brake
液力缓行 Hydraulic retarder		●
缸内制动 Engine brake		●
货厢总成 BODY ASSEMBLY		
货厢(选一项) Body(select one)	有尾门货厢-短帽檐 Tailgate-short overhung	○平装34m³，堆装40m³ ○Struck 34m³，Heaped 40m³
	有尾门货厢-长帽檐 Tailgate-long overhung	○平装34m³，堆装40m³ ○Struck 34m³，Heaped 40m³
	无尾门翘尾货厢-短帽檐 No tailgate-short overhung	●平装30m³，堆装36m³ ●Struck 30m³，Heaped 36m³
	无尾门翘尾货厢-长帽檐 No tailgate-long overhung	○平装30m³，堆装36m³ ○Struck 30m³，Heaped 36m³
驾驶室 CAB		
偏置窄体左驾驶室 Narrow body left-hand drive cab		
FOPS FOPS		●
0.5kg灭火器 0.5kg fire extinguisher		●
座椅(选一项) Seat (select one)	机械悬浮座椅 Mechanic suspension seat	●
	空气悬浮座椅 Air suspension seat	●
冷暖空调 Air conditioner (cool & warm)		○
逃生锤 Emergency hammer		●
7寸液晶仪表 7-inch LCD instrument		●
玻璃除霜 Glass defrosting		●
三点式安全带 Three-point seat belt		●
后排座椅 Rear seat		●
覆盖件 COVERING PARTS		
打石器 Rock ejector		
10kg灭火器 10kg fire extinguisher		●
发动机右侧挡泥板总成 Engine right fender assembly		○
发动机左侧挡泥板总成 Engine left fender assembly		○
轮挡 Wheel chock	木质 Wooden	○
	橡胶 Rubber	○
悬挂系统 SUSPENSION SYSTEM		
前悬架 Front suspension		●钢板悬挂 ●Leaf-spring suspension
后悬架 Rear suspension		●钢板悬挂 ●Leaf-spring suspension
其他 OTHERS		
随车工具(五配一) Attached tools (one set for five vehicles)		●

		ZT96A(MT/AT)
通用选装配置 GENERAL OPTIONAL CONFIGURATION		
制动喷淋系统 Automatic sprinkler system		○
自动灭火系统 Automatic fire extinguishing system		○
驾驶员疲劳监控系统 Driver fatigue dection system		○
涂装定制 Customized painting		○
高压接近报警 High voltage proximity alarm		○
防护栏 Guardrails	燃油箱护栏总成 Fuel tank guardrail assembly	○
	前防撞梁总成 Front bumper beam assembly	○
	蓄电池护栏总成 Battery guardrail assembly	○
驾驶室制氧机 Cab oxygen generator		○
集中润滑系统 Centralized lubrication system		○
一条备胎(含轮胎) One spare tire (including rim)		○
无线电台 Radio station		○
急救包 First-aid kit		○
低温区选配包(使用环境 ≥ -20℃) COLD AREAS OPTIONAL PACKAGE (AMBIENT TEMPERATURE ≥ -20℃)		
冷启动系统 Cold start system	高原版 Highland version	○
	平原版 Plain version	○
低温液压油 Low-temperature hydraulic oil		○
燃油电加热模块 Electric fuel heater module		○
极寒区选配包(使用环境 ≥ -40℃) EXTREME COLD AREAS OPTIONAL PACKAGE (AMBIENT TEMPERATURE ≥ -40℃)		
冷启动系统 Cold start system	高原版 Highland version	○
	平原版 Plain version	○
燃油电加热模块 Electric fuel heater module		○
驾驶室加热 Cab heating		○
低温蓄电池 Low-temperature battery		○
超低温液压油 Ultra-low temperature hydraulic oil		○
低温液压胶管 Low-temperature hydraulic rubber hose		○
高温区选配包(使用环境 ≥ 40℃) HIGH-TEMPERATURE AREAS OPTIONAL PACKAGE (AMBIENT TEMPERATURE ≥40℃)		
耐热型轮胎 Heat-resistant tire		○
68号液压油 68 Hydraulic oil		○
85w-140齿轮油 85w-140 Gear oil		○
沙漠/泥泞套件 DESERT/MUD PACKAGE		
轮胎履带 OTT track		○