

中联重科

ZT105 矿用自卸车 Mining Dump Truck

额定载重68 t

货厢容积36 m³ (平装)

43 m³ (堆装2:1)

发动机功率353 kW (480马力)



ZOOMLION

颜色组合已取得注册商标保护

产品简介

Product Introduction

车架为铆接式车架，纵梁采用 12+12 的双层叠加槽型折弯板与 6 道横梁铆接而成；主要优点是成形工艺性好，变形设计适应好，适用于大批量生产，材料由 510L 升级为 610L，抗疲劳性更好。采用计算机辅助设计，并进行有限元优化分析。

The frame is a riveted frame, and the longitudinal beam is riveted with 12+12 double-layer superimposed groove-shaped bending plates and 6 cross beams; the main advantages are good forming technology, good deformation design adaptation, and suitable for mass production. The material is upgraded from 510L to 610L, with better fatigue resistance. It has adopted the computer aided design and finite element optimization analysis.

ZT105 矿用自卸车前悬架采用非独立悬架，车轮定位可靠，行驶稳定、舒适；前桥采用油气 + 多连杆机构悬挂，舒适性更好；中后车桥通过钢板弹簧与车架连接，承载能力强，能够适应路面状况的变化，可靠性高。

The front suspension of the ZT105 mining dump truck adopts a dependent suspension, with reliable wheel positioning, stable and comfortable driving. The front axle adopts hydropneumatic and multi-link mechanism suspension, which is more comfortable. The middle and rear axles are connected to the frame through leaf springs, which can adapt to changes in load and road conditions and have high reliability.

发动机技术先进，高效节能。三级过滤器，比油滤保养成本低。排气系统管路短，优化设计，排气背压小。分体式散热器，抗震能力强、维修方便；进口风扇，风量大、功耗低；整车热负荷能力强。供油系统三级过滤，充分保护发动机及高压共轨喷射系统。

The engine technology is advanced, energy-efficient and energy saving. The three-stage filter, realizes a lower maintenance cost than that of the oil filter. The exhaust system has short pipeline, uses optimized design and realizes small exhaust back pressure. The split radiator has strong anti-seismic ability and is easy to maintain; the imported air fan has large air volume and low power consumption; the whole vehicle has a large heat load capacity. The oil supply system uses a three-stage filtration function to fully protect the engine and high-pressure common rail injection system.

整车尺寸参数

单位: mm

Vehicle Size Marking



整车性能参数

Vehicle Performance Marking

主要参数 Main Parameters	单位 Unit	数值 Value	主要参数 Main Parameters	单位 Unit	数值 Value
整备质量 Curb Weight	kg	31500	发动机型号 Engine Model	/	YC6K480-GT30
额定载质量 Rated Payload	kg	68000	发动机排量 Engine Displacement	L	12.155
最高车速 Max. Speed	km/h	48	排放标准 Emission Standard	/	国三
最大爬坡度 Max. Gradeability	%	31	额定功率 Rated Power	kW/rpm	353/1900
最小转弯半径 Min. Turning Radius	m	13	最大扭矩 Max. Torque	N.m/rpm	2200/(1100-1500)
前轮胎 Front Tires	/	16.00-25	变速箱型号 Gearbox Model	/	FAST 8DS240A
中后轮胎 Rear Tires	/	14.00-25	转向系统 Steering System	/	全液压转向
辅助制动 Auxiliary Braking	/	液力缓行 (选配)	标准斗容 Capacity	m ³	36 (平装) 43 (堆装2:1)

资料和技术参数如有更改，恕不另行通知。
图中所示的机器可能包括附加设备。

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