

ZOOMLION TECHNOLOGY WITH INGENUITY AND CARE



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

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.

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



ZOOMLION MINING DUMP TRUCK

ZT125A (AT/MT)

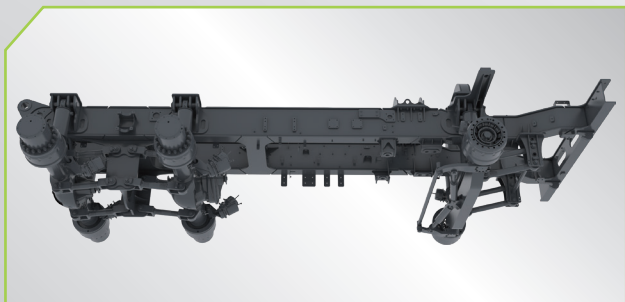
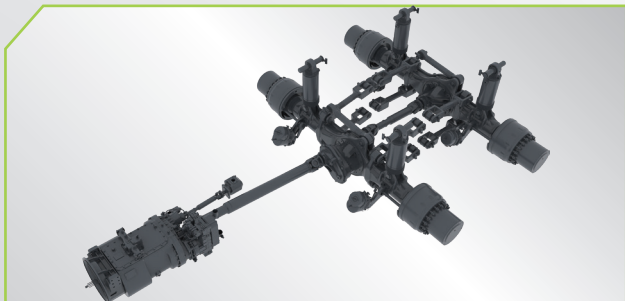
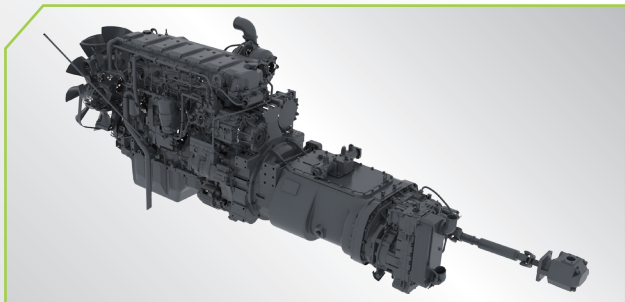


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Engine Rated Power: 426 kW
Rated Payload: 85000 kg
Curb Weight: 34500 kg
Body Capacity: 38 m³



EFFICIENCY



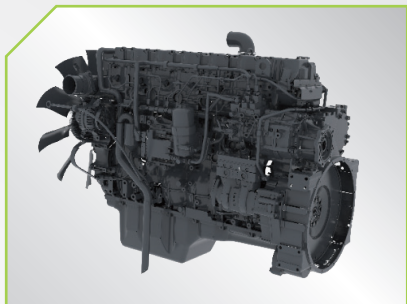
Durability

The axle housing is made of new materials and processed by advanced technology that ensures the reliable operation of the machine. The high-strength assembly boasts strong load-bearing capacity and resistance to impact load and deformation. A stringent quality management system, with main part assembly sourced from well-known domestic manufacturers.

Customized mining-specific engineering axles are applicable to different working conditions. Improved and reinforced axle housing and gear design perfectly meets the low-speed and heavy-duty requirements of customers.

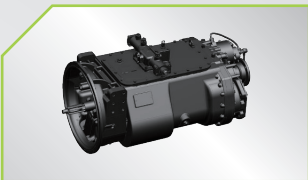
Higher Transport Efficiency

The high-power K13 engine, optimized manual and automatic transmission parameters, and Zoomlion high speed ratio rear axle deliver supreme power and fuel efficiency, increasing the vehicle's climbing speed and transportation efficiency. Under the same transportation distance, the ZT125A transportation efficiency is about 8% higher than similar products, creating more value for customers.



Engine

- The Yuchai YC6K580 engine delivers powerful performance with ample torque reserve. At the same torque output, it operates at a lower speed with higher fuel efficiency.
- With ample power reserve and quick heavy-duty acceleration response, the engine is applicable to conditions such as steep slopes and high altitudes.

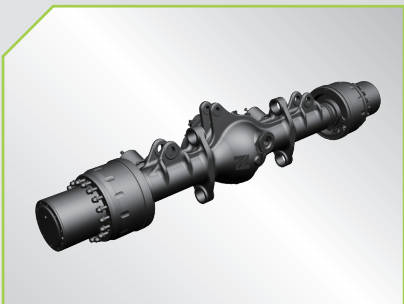


Manual Transmission



Automatic Transmission

- With over 20,000 hours of market experience, it boasts high reliability.
- For manual control, the Z8S265A transmission provides an input torque of over 2650N·m.
- The machine boasts high safety design. High-strength housings and gears together with active lubrication improve the service life of gears and overall transmission efficiency, making the machine applicable to the harsh condition of mines.



Transmission Shaft

- Tailor-made mining-specific engineering axles, with targeted improvements and enhancements, offer high drawbar pull on heavy-load uphill, strong gradeability, and high efficiency.
- The front axle adopts a 35-ton, evenly distributed axle load, offering a 40% increase in bearing capacity and ensuring safer emergency braking.

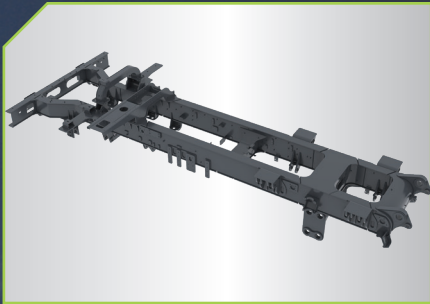


SAFETY & RELIABILITY

DRIVING SAFETY

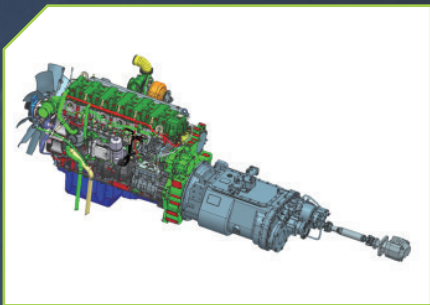
Robust structure:
The ZT125A features a high-quality, high-strength welded box-shaped frame that provides enhanced torsional resistance. This allows the vehicle to better adapt to the varied and uneven road surfaces encountered in mining areas. **Key welds undergo 100% flaw detection, resulting in a service life that is more than three times longer than that of ordinary wide-body truck frames.**

Box welded frame:
Driving comfort, high reliability, frame life of more than 6 years



Tire rim

Independent lift pump:
With large-flow hydraulic lift pump + high-power valve group strategy, **the lifting time can be controlled around a leading 25s (full load state)**; the system oil temperature is controlled **below 78°C**.



Independent lift pump

Protection in detail:
Standard thermal insulation tile for exhaust pipes effectively blocks heat to prevent burns.



Thermal insulation tile for exhaust pipe

Aluminum air cylinder:
The aluminum alloy air cylinders and fuel tanks are light in weight, and the aluminum oxide is stable and reliable.



Aluminum air cylinder

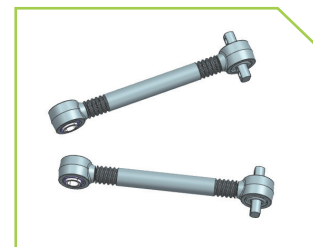


Offset narrow-body cab enables a wide field of vision. Various display instruments, alarms, lightings, control switches, radios, etc. are available. The driver's seat is an adjustable damping seat. Equipped with electric windshield wipers and washer, air conditioner (warm & cool). The cab adopts a composite floor structure composed of thickened steel plate and rubber-plastic sponge, featuring outstanding sound insulation and noise reduction performance.

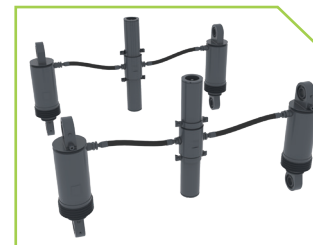
CONVENIENT MAINTENANCE



Maintenance-Free design, reducing maintenance frequency and cost, convenient and time-saving.



Front and rear full oil and gas suspension, no need to replace the wear plate regularly, no need to worry about the spring fracture.



Humanized component layout makes repair and maintenance more efficient, more convenient and simpler



Zoomlion promises that once you choose us, we are ready to send you the parts you need from the nearest distribution center once we get your order.

DIMENSION PARAMETERS



Main Parameters	Unit	Value
Curb weight	t	34.5
Rated payload	t	85
Max. speed	km/h	40 (MT) / 40 (AT)
Max. gradeability	%	32
Min. turning radius	m	13
Axle payload	t	35+45+45
Steering system	/	Fully hydraulic
Tires	/	16.00R25
Engine model	/	YC6K580-GT30
Emission standard	/	China Non-Road Stage III
Engine displacement	L	12.939
Rated power	kW/rpm	426
Max. torque	N·m/rpm	2600 N · m/1100 - 1900 r/min
Transmission model (MT)	/	Z8S265A
Transmission model (AT)	/	FC 6A250
Capacity	m³	38 (Struck) 44 (Heaped 2:1)

STANDARD & OPTIONAL CONFIGURATION

Classification	Configuration items		ZT125A(MT/AT)
Power system	Engine		Yuchai 12.94L
	Engine emission		NR3
	Power (kW/rpm)		426/1900
	Three-stage diesel filter		●
	Air filter		●Oil bath air filter
	Body exhaust heating		●
	Fuel tank (Select one)	Dual-chamber	○700L dual-chamber fuel tank
		Single-chamber	●600L single-chamber fuel tank
	Muffler		●
Electrical system	Backup alarm		●
	Emergency stop button		●
	24V Power port		●
	Entertainment		●Multimedia screen
	Monitoring+entertainment (Select one)	Rearview camera	○Reversing video camera +multimedia screen
		Cameras (Front, rear, left and right)	○4 channel cameras
	Rooding lighting		●
	Rotating beacon on the cab top		●
	Backup lighting (Left, right and rear)		●
	Fog lights (Front and rear)		●
	GPS		●
	Battery		●*2
Hydraulics	Lift cylinder (single cylinder front lift)		●
	Full hydraulic steering		●
	Emergency steering system		○
Drive train	Transmission+Clutch (Select one)	Manual Transmission (MT) + Clutch	●ZOOMLION Z8S265A Transmission+FAST EATON clutch
			○Fast 8DS260 Transmission+FAST EATON clutch
		Automatic Transmission (AT)	●FC-FC6A250
	Axle		ZOOMLION 35t+45t+45t
	Tire (Select one)		●Front and rear: 16.00R25 -302MAX
			○Front and rear: 16.00R25-Heat-resistant
			○Front and rear:16.00R25-Hard rock
	Drive shaft (Select one)	Standard drive shaft	●(Standard for MT)
		Lubrication-free drive shaft	●(Standard for AT)
Braking system	Service brake		●Front and rear independent dual-circuit air control
	Parking brake		●Drum brake
	Hydraulic retarder		●
	Engine brake		●
	AI-integrated brake		●
Body assembly	Body (Select one) 货厢 (选一项)	Tailgate-short overhung	○Struck 50m³, Heaped 58m³
		Tailgate-long overhung	○Struck 50m³, Heaped 58m³
		No tailgate-short overhung	●Struck 38m³, Heaped 44m³
		No tailgate-long overhung	○Struck 38m³, Heaped 44m³
	200mm height extension plate		○
Tire guard			○

STANDARD ●
OPTIONAL ○

Classification	Configuration items		ZT125A(MT/AT)
Cab	Narrow body left-hand drive cab		●
	FOPS		●
	0.5kg fire extinguisher		●
	Seat (Select one)	Mechanic suspension seat	●
		Air suspension seat	○
	Air conditioner (cool & warm)		●
	Emergency hammer		●
	7-inch LCD instrument		●
	Glass defrosting		●
	Three-point seat belt		●
	Rear seat		●
Covering parts	Rock ejector		●
	10kg fire extinguisher		○
	Engine right fender assembly		○
	Engine left fender assembly		○
	Wheel chock	Iron	○
		Rubber	○
Suspension system	Front suspension		●Hydro-pneumatic suspension
	Rear suspension		●Hydro-pneumatic suspension
Others	Attached tools (one set for five vehicles)		●
General Optional Configuration	Automatic sprinkler system		○
	Automatic fire extinguishing system		○
	Driver fatigue detection system		○
	Customized painting		○
	High voltage proximity alarm		○
	Guardrails	Fuel tank guardrail assembly	○
		Front bumper beam assembly	○
		Battery guardrail assembly	○
	Cab oxygen generator		○
	Centralized lubrication system		○
	Intelligent weighing system		○
	One spare tire (including rim)		○
	Radio station		○
	First-aid kit		○
Cold areas optional package(Ambient temperature ≥-20℃)	Cold start system	Highland version	○
		Plain version	○
	Low-temperature hydraulic oil		○
Extreme cold areas optional package (Ambient temperature ≥-40℃)	Electric fuel heater module		○
	Cold start system	Highland version	○
		Plain version	○
	Electric fuel heater module		○
	Cab heating		○
	Low-temperature battery		○
	Ultra-low temperature hydraulic oil		○
	Low-temperature hydraulic rubber hose		○
	Heat-resistant tire		○
	68 Hydraulic oil		○
Extreme cold areas optional package (Ambient temperature ≥-40℃)	85w-140 Gear oil		○
Highland package	Expansion tank pressure cap		○
	High-altitude engine		○
	High-altitude fuel pump		○
Desert/Mud package	OTT track		○

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