

ZOOMLION TECHNOLOGY WITH INGENUITY AND CARE



The world's leading mining machinery intelligent manufacturing base

Zoomlion Mining Machinery Park is located in the East Manufacturing Corridor of Changsha, covering an area of 240,000 square meters, with industry-leading intelligent and flexible mining machinery production lines. The production categories cover the whole process of open-pit mines, including drilling, digging, haulage and mineral processing equipment. Built with advanced processing and assembly techniques and rigorous quality control, each machine delivered embodies the highest level of quality.



МАКС МАШИНЕРИ ИНДАСТРИ ХХК

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ZOOMLION ELECTRIC DRIVE DUMP TRUCK

ZTE240



ZOOMLION

VISION CREATES FUTURE

ZTE240

Total Power: 1402 kW

Engine Rated Power: 1045 kW @ 1800 rpm

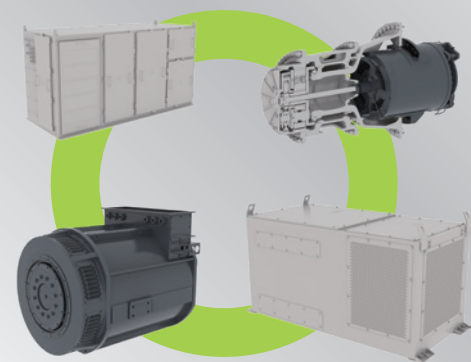
Battery Continuous Power Output: 357 kW

Curb Weight: 106000 kg

Body Capacity: 76 m³



HIGH EFFICIENCY AND ENERGY SAVING



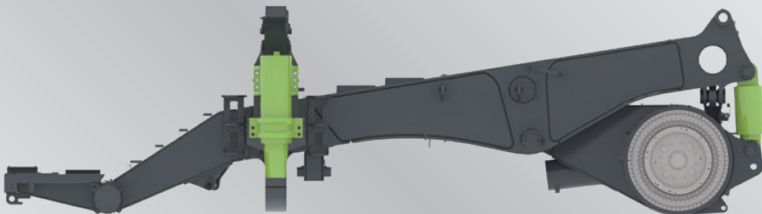
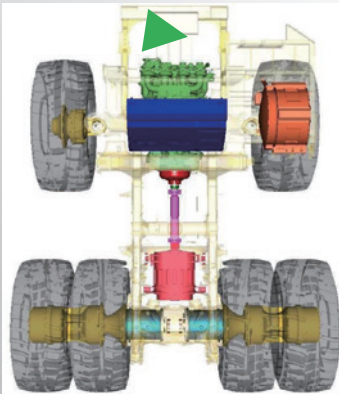
The globally advanced third-generation AC-DC-AC electric drive system: Standing two generations ahead of mechanical transmission technologies, it delivers 10% greater rimpull than DC-powered vehicles. Paired with advanced driving control strategies, it remarkably improves the operational safety of mining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



It comes standard with a 76 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.



Innovative hybrid technology: Equipped with a high-horsepower diesel engine and a large-capacity 171.56 kWh power battery pack, the dual-power system delivers robust and seamless performance. Smart energy recovery: The braking energy recovery system efficiently converts kinetic energy into electricity, achieving an overall energy-saving rate of up to 34.2% and significantly reducing operational costs.



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

SAFE AND RELIABLE



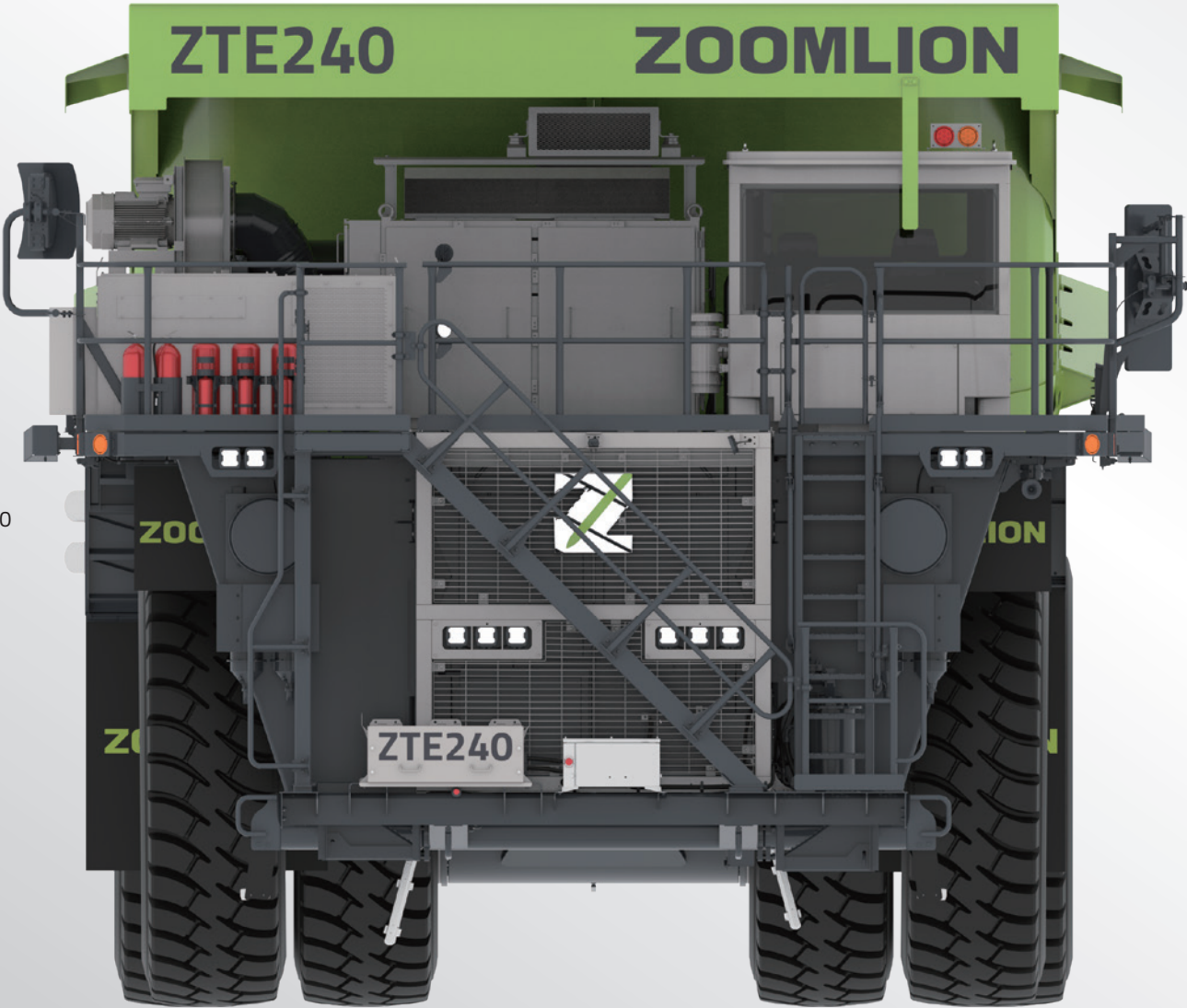
Rationally designed safety configurations:
Full-automatic fire extinguishing system with 12 emergency stop buttons positioned across the fire suppression points on the machine



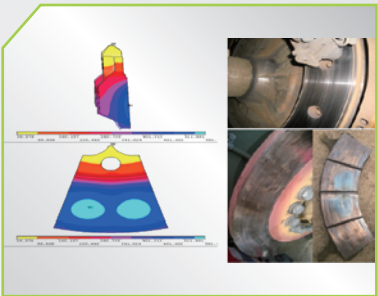
Two-longitudinal and four-transverse box-shaped welded frame:
The main body is crafted from high-strength alloy steel, with cast steel applied to stress-concentrated areas, ensuring a designed service life exceeding 72,000 hours.



Long-life wheel-rim reducer with strong impact resistance

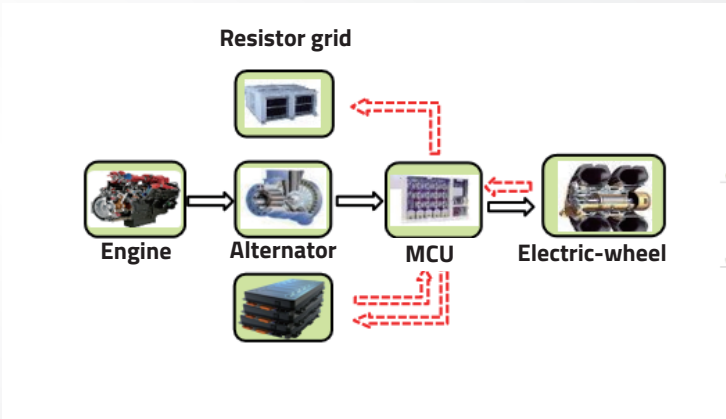


Cab protection in case of tire blowout:
Featuring a bottom box-type structure, it will effectively protect the safety of driver.



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.

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



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

COMFORTABLE CONTROL



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



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



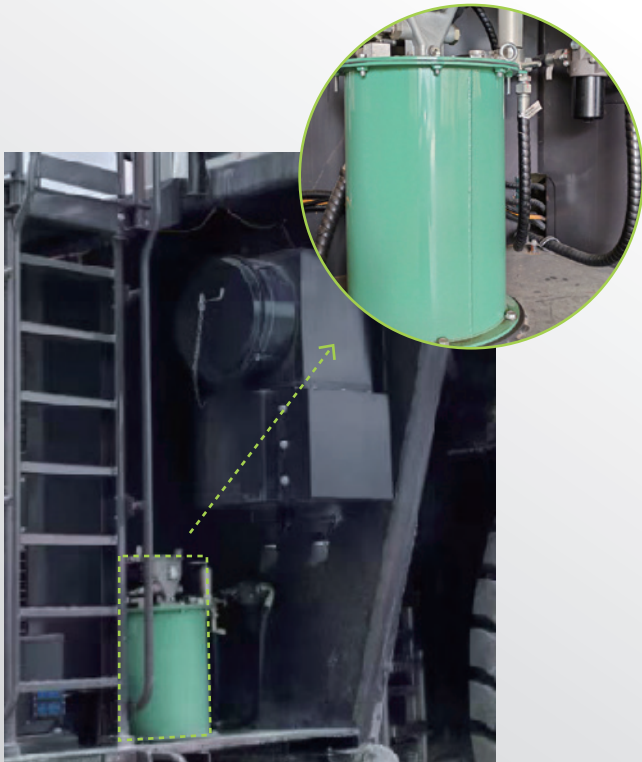
Ergonomic layout:
Easy to operate



Pressurization system with effective external dust isolation

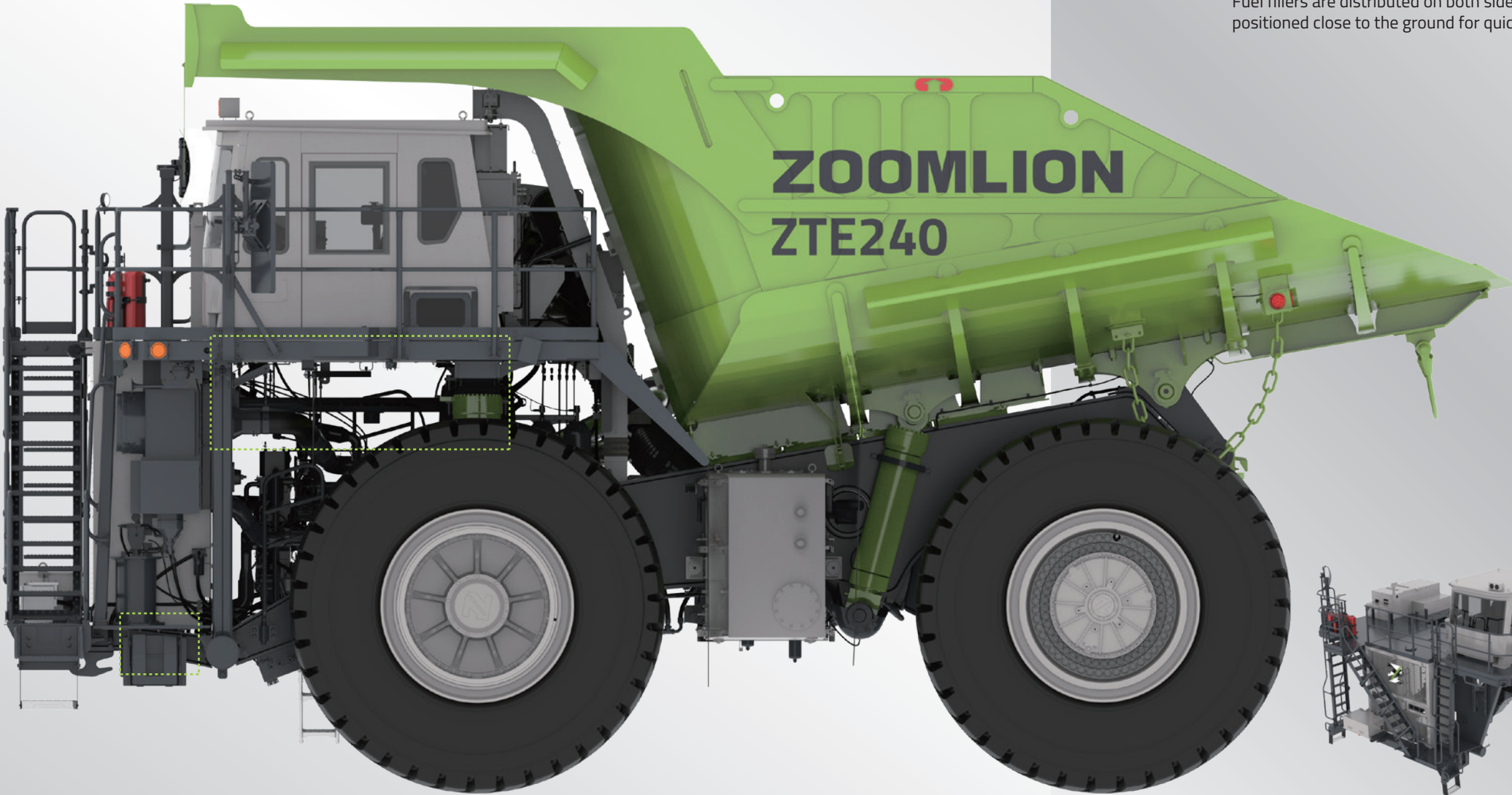


CONVENIENT MAINTENANCE



Single-line centralized lubrication system with adjustable displacement at the oil lubricator outlet

Centralized refilling:
One-stop completion of oil refilling (lubricating grease, coolant, hydraulic oil, etc.)



Fuel fillers are distributed on both sides of the frame, positioned close to the ground for quick refueling.

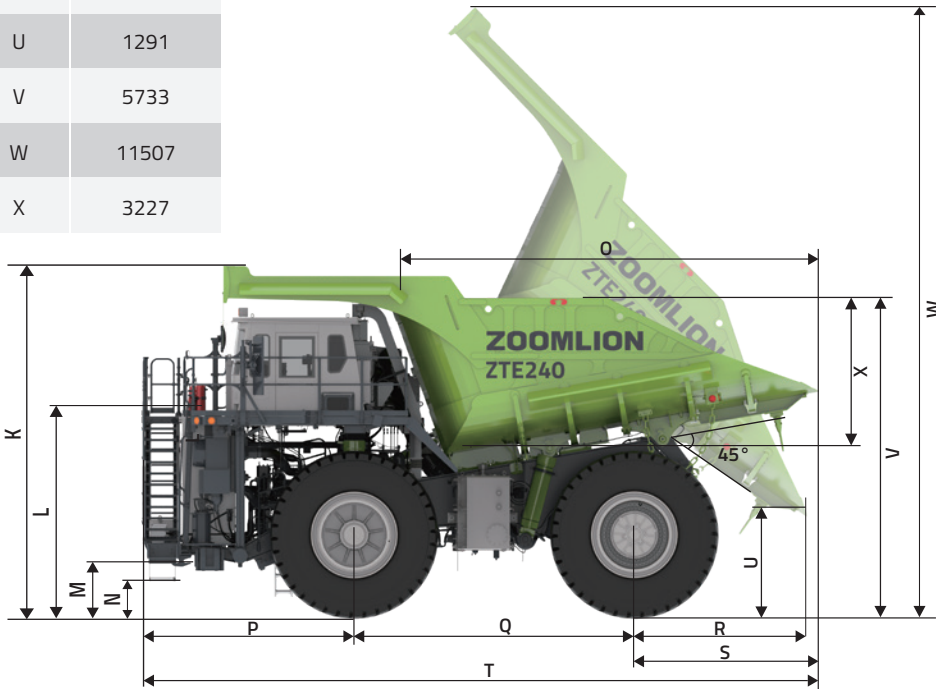
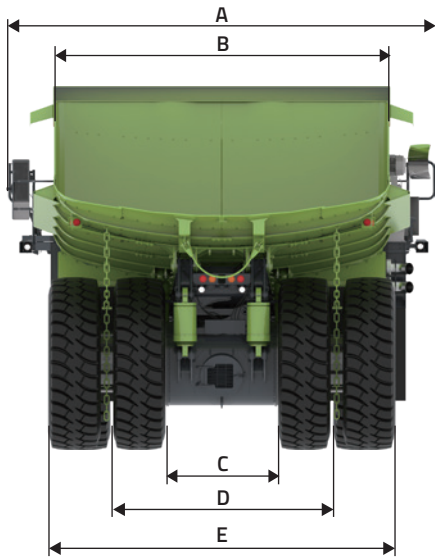
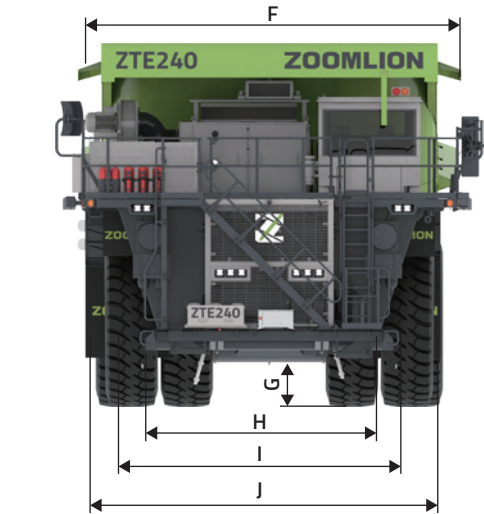


Convenient walkways:
One primary boarding ladder and two auxiliary ones, accompanied by a generously spacious platform

TECHNICAL SPECIFICATIONS

CATEGORY	ITEMS		UNIT	ZTE240
WEIGHT PARAMETERS	Total machine weight		kg	242000
	Rated payload		kg	136000
	Empty machine weight		kg	106000
MASS DISTRIBUTION	Empty	Front axle	(48%)	54060 (51%)
		Rear axle	(52%)	51940 (49%)
	Loaded	Front axle	(33%)	91960 (38%)
		Rear axle	(67%)	150040 (62%)
POWER PARAMETERS	Engine model		/	YC12VTD1450-T300
	Engine rated power		kW/ rpm	1045/1800
	Engine max. torque		Nm/rpm	6105/1300
	Battery continuous power		kW	357.4
	Rated power of traction motor		kW	400
	Max. torque of traction motor		Nm/rpm	12000
	Engine displacement		/	39.2
	Emission standard		/	GB 20891-2014 China NR 3
	Drive type		/	4×2
	Tire		/	33.00R51
DRIVING PARAMETERS	Max. speed		km/h	48
	Min. turning diameter		m	25.6
	Max. gradeability		%	22
	Min. ground clearance		mm	620
MAINTENANCE CAPACITY	Fuel tank		L	1200
	Hydraulic tank		L	650
	Cooling system		L	300
	Engine oil		L	215
	Gear oil tank		L	50×2
BODY CAPACITY	Heaped (SAE 2:1)		m³	76 (heaped)

PARAMETER DISCRIPTIONS	CODE	ZTE240 (mm)
Overall machine width	A	7600
Inside body width	B	5764
Inner rear tire width	C	1954
Centerline rear dual tire width	D	3980
Overall tire width	E	6013
Outside body width	F	6590
Min. ground clearance	G	620
Inner front tire width	H	3908
Centerline front tire width	I	4819
Front tire width	J	5730
Overall machine height	K	6300
Deck ground clearance	L	3615
Frame ground clearance	M	1154
Step tread ground clearance	N	744
Inside body length	O	7760
Front overhang	P	3680
Wheelbase	Q	5000
Center rear axle to tipped tail	R	2700
Rear overhang	S	3295
Overall machine length	T	12500
Dump height	U	1291
Loading height	V	5733
Overall height - body raised	W	11507
Inside body height	X	3227



SYSTEM	STANDARD EQUIPMENT	ZTE240
POWER SYSTEM	Fuel filter stages	3
	Air filter	●
	Engine independent cooling	●
	Coolant level indicator	●
	Radiator fan guard	●
	Engine oil filter	●
	Removeable powertrain	●
	Engine emergency stop button - ground	●
	Drive shaft guard	●
	Fuel tank	●
ELECTRICAL SYSTEM	High-energy-density power battery	●
	Back-up camera	●
	Back-up alarm	●
	Emergency stop button	●
	Alternator	●
	Electric start	●
	Converter	●
	Electric retarding system	●
	Power supply	● 24V DC
	GPS	●
HYDRAULIC SYSTEM	Battery	●225Ah
	Full-hydraulic steering	●
	Oil suction, high pressure and return-line filters	●
	Emergency steering brake	●
	Independent cooling system	●
STRUCTURAL PARTS	Automatic lubrication	●
	Frame	●
	Body	● Lightweight wear-resistant
	Body limiter	●
	Slip-resistant deck and staircase	●
	Diagonal staircase across grille	●
	Protective deck handrails	●
CHASSIS	Slip-resistant walkways	●
	Engine access platform	●
	Front suspension	● Hydro-pneumatic
	Rear suspension	● Hydro-pneumatic
	Dual circuit brake	●
	Dry disc brake	●
	Tire	●33.00R51
	Service brake	● Full-hydraulic (with auto-activation)
	Hoist and traction interlock device	●
	Braking and traction interlock	●
CAB	Parking brake	●
	Power steering system	● Automatic secondary steering system
	Integral ROPS/FOPS cab	●
	Pressurization system	●

SYSTEM	STANDARD EQUIPMENT	ZTE240
CAB	On-board monitor	● 12.1-inch LCD
	Instrument	● 12.3-inch set
	Shock-absorption seat	● Adjustable
	Three-point seat belt	●
	Cup holder	●
	Safety hammer	●
	Air conditioner	●
	Fire extinguisher	●
	Passenger seat	●
	Sunshade curtain	●
	Sun visor (adjustable)	●
	Power window	●
	Tilt and telescoping steering column	●
	Floor mat	●
	Radio	●
	Cigarette lighter	●
	Storage bag	●
	Coat hook	●
	Glass defroster	●
	Left rearview mirror	● Heatable flat mirror
	Right rearview mirror	● Heatable convex mirror
OTHER	Horn	●
	Body safety rope	●
	Quick refueling system	●
	Maintenance power lockout	●
	Rock ejector	●
	Fuel tank ladder	●
SYSTEM	ADAPTIVE OPTIONAL EQUIPMENT	ZTE240
GENERAL	Centralized refill system	○
	Wear-resistant body liner plate	○
	Body heating	○
	Tire	○33.00R51
	Automatic centralized fire extinguishing	○
	Customized body	○
	Quick-change hub	○
	Tire temperature monitoring system	○
	Tire pressure monitoring system	○
	Smart weighing system	○
EXTREME-COLD KIT (TEMPERATURE≥-40℃)	360° surround view camera	○
	Engine oil circuit heater	○
	Engine cylinder block pre-heater	○
	Engine oil heater	○
	Battery heater	○
	ELV heater	○
	Hydraulic oil heater	○
	Air heater of cab	○