

ZOOMLION TECHNOLOGY WITH INGENUITY AND CARE



THE WORLD'S LEADING EXCAVATOR INTELLIGENT MANUFACTURING FACTORY

ZOOMLION Smart City Earthmoving Machinery Park is an industry-leading intelligent and flexible excavator factory. From a piece of steel plate to an excavator, with high-precision welding process, highly reliable assembly process, high-level coating process and strict quality control, each excavator is delivered with ultimate 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 21-TON BATTERY ELECTRIC CRAWLER HYDRAULIC EXCAVATOR

ZE225GE



ZOOMLION

EXCELLENT PRODUCT

POWERFUL AND ENVIRONMENTALLY FRIENDLY

Battery-Powered
ZOOMLION electronically
controlled hydraulic control system

COMFORTABLE CAB

Suspension seat
Large touch screen
Detail-oriented comfort design

HIGH ROI

Increased productivity
Reduced idle time of equipment
Higher hydraulic system efficiency
Lower maintenance cost

SAFETY

ROPS cab

Engine power:

150 kW/1790 rpm

Battery capacity

423kWh

Operating weight:

23800 kg

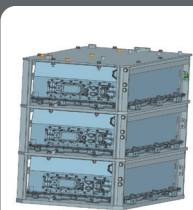
Bucket capacity:

0.85-1.1 m³



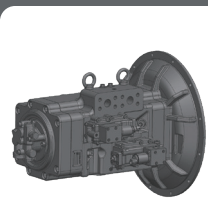
Battery

Equipped with 423kwh large-capacity battery, making the equipment have greater output power



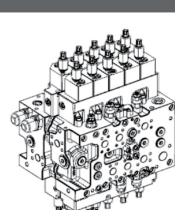
Main valve

Equipped with a electronically controlled main valve, it provides more accurate flow control according to the load demand, making the equipment operation more powerful



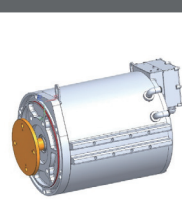
Electric motor

Customized low-speed high-torque motor with strong power and high efficiency up to 96%



Main pump

130CC large-displacement main pump can also output large flow at low motor speed



ZE225GE adopt a positive flow control system independently developed by ZOOMLION. With the application of the load analysis, load matching, flow analysis and torque matching technologies, the work efficiency of large-scale digging and loading operation is improved while the fuel consumption is greatly reduced, creating value for customers.





Type	Density of applicable materials	ZE225GE
Reinforced bucket	≤1500 kg/m³	1.1 m³
Rock bucket	≤1800 kg/m³	0.85 m³

REINFORCED BUCKET

Standard high efficient reinforced bucket of 1.1m³ capacity;
Loading efficiency is high because soil is hardly stuck on it; durable with enhanced design.

Suitable for light or loose materials.

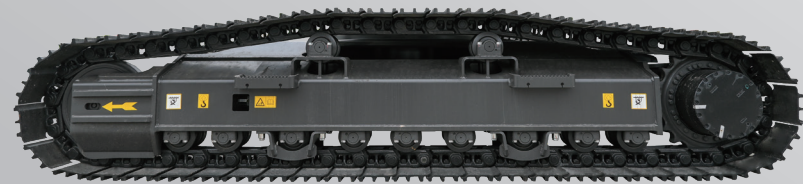
ROCK BUCKET

The optional 0.85m³ rock bucket is powerful during digging by greatly reducing the cutting resistance of bucket teeth;
The bucket is more durable by reducing the wear and impact of the rock on the bottom of the bucket. The stability of the whole machine is improved, and the operation is more comfortable.

Suitable for high abrasion applications like quarry or rock.

UNDERCARRIAGE

Larger grounding area for higher stability of the machine;
Reinforced design for higher durability;
Long undercarriage with 9 track rollers, which are tightly engaged with the chain for stronger bearing capacity;
The carrier rollers are replaced by track rollers, which are supported at both sides, with stronger bearing capacity and more effective protection for the track.



Unit: mm									
MODEL	A	B	C	D	E	F	G	H	I
ZE225GE	326	326	80	80	458	523	472	22	2925
MODEL	J	K	L	M					
ZE225GE	408.5	2800	640	600					

EXCELLENT CAB



Equipped with multifunctional joystick, which is easy to control, providing good user experience.

SPACIOUS CAB

The cab is equipped with a comfortable suspension seat, which can relieve the fatigue of the user. The large-stroke adjustable armrest box, armrest and seat provide the most comfortable state for the user. Large area glass provides the cab with high transmittance. Large space and comfortable working environment are conducive to the improvement of operator productivity.

USER-CENTERED DESIGN:

ZE225GE are equipped with radio as standard and provides an AUX interface to connect mobile devices to the in-vehicle entertainment system. The large touch screen at the front right provides the operator with convenient operation and in-depth technical experience. The multi-function integrated panel on the right side allows the operator to perform one-button start and gives consideration to the operators who get used to using physical keys. The temperature controlled storage box at the right rear provides the operator with a suitable food storage location.



SAFE EQUIPMENT

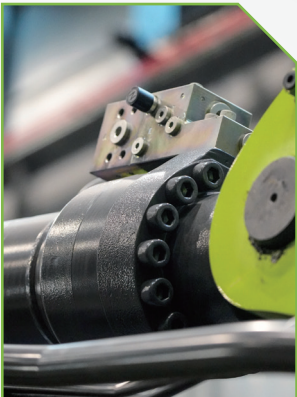
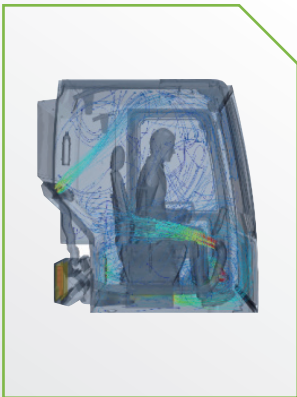
The safety performance of ZE225GE meet the latest industry standard. They provide various safety configurations, which minimizes the work safety risks of the personnel near and inside the equipment. The travel alarm lamp, emergency stop switch, high-density anti-skid cover and around view camera provide guarantee for safety.

The ROPS cab adopts a optimized high-strength frame of high impact resistance and durability. Low-noise design makes the working environment more comfortable.

High-power air conditioner and optimized air duct design, which brings more comfortable body feeling.

Equipped with high-energy-density lithium iron phosphate power batteries and multiple energy-saving technologies, the machine can operate for more than 8 hours, fully meeting the working duration of a single shift.

Hose burst valves are standard for the boom and arm to ensure safety in construction and hoisting.



"ONE-STOP" MAINTENANCE

Most of the electrical part are placed in one location for easy and quick inspection and maintenance



ZOOMLION MAINTENANCE

ZOOMLION Maintenance is a maintenance program installed on ZOOMLION machines. It reminds the customer to replace the maintenance parts and record the time of the next maintenance. ZOOMLION service engineer can also maintain the machine through this program. For relevant terms and conditions, please contact your local ZOOMLION dealer.



A/C filter and pilot filter

The air filter is located at the rear of the cab, and the hydraulic pilot filter is installed on the side of the hydraulic oil tank. Both are easily accessible at ground level. Additionally, an installation seat for the grease gun is integrated outside the hydraulic oil tank, making it easy to access and store.

CUSTOMER SERVICE



Zoomlion's slogan is "Vision creates future". It is not just a simple slogan, but an unshakable determination to exceed our customer's expectations. Zoomlion has always upheld this belief and tries to implement it in everything that we do for customers. The service we offer to customers is to think about what they think about and worry about what they worry about.

Zoomlion promises that once you choose us, we are ready to respond with the first arrival and solution any time, anywhere.

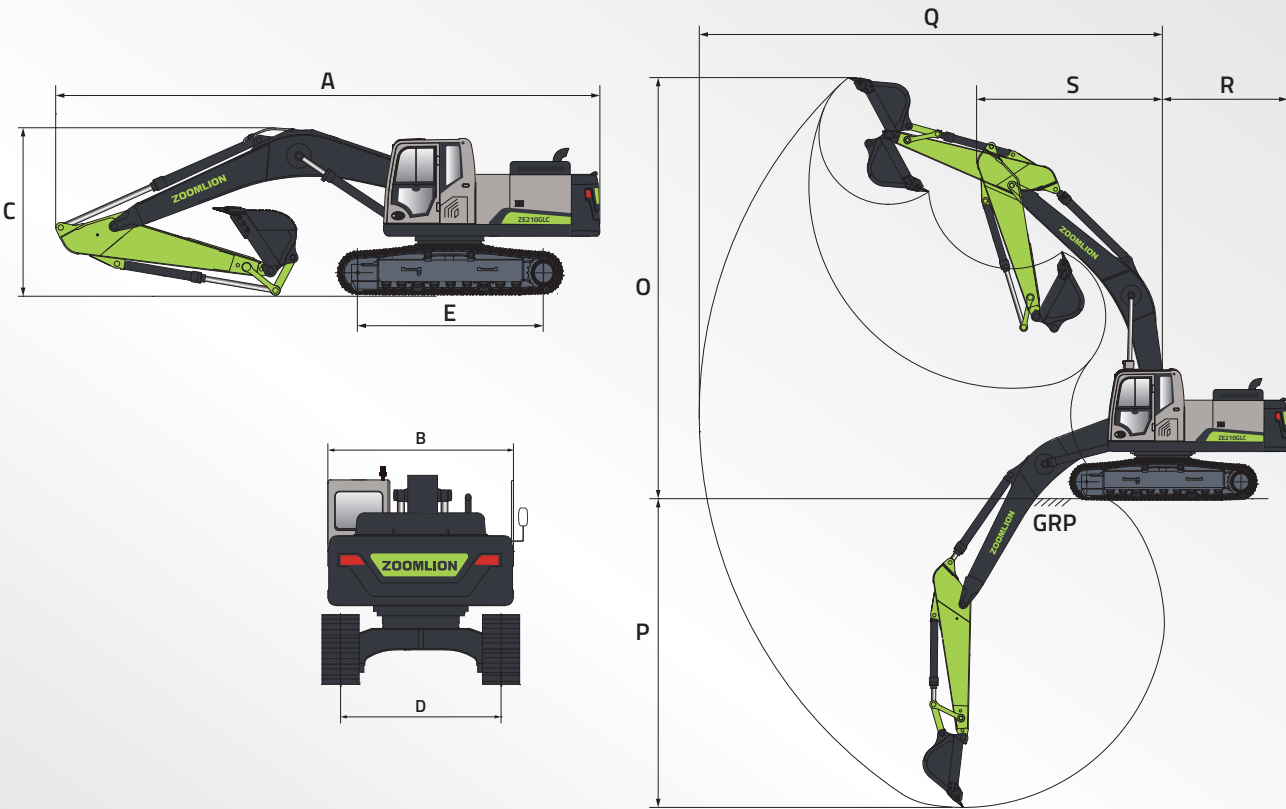
Various service content, professional service teams, global service networks and systematic technical support are readily available from Zoomlion for an effective response and solution upon your request no matter where you are in the world and what time it is.



TECHNICAL SPECIFICATIONS

	ZE225CE
ENGINE	
Motor type	permanent magnet synchronous motor
Rated Power	150 kW/1790rpm
Battery Type	Lithium-ion
Battery Voltage	618 V
Battery capacity	423 kWh
Charging time	1.5 H
HYDRAULIC SYSTEM	
Main pump	Two variable displacement piston pumps Maximum flow: 2x227.5 /min
Pilot pump	One gear pump Maximum flow: 17.5 L/min
Maximum pressure - Equipment	34.3 MPa
Maximum pressure - Swing	29 MPa
Maximum pressure - Travel	34.3 MPa
Maximum pressure - Boost	37.3 MPa
Maximum pressure – Pilot system	3.9 MPa
UPPER FRAME	
Maximum swing speed	11 r/min
Maximum swing torque	77.5 kNm
UNDERCARRIAGE	
Number of carrier rollers (each side)	2 (Two sides supported track rollers)
Number of track rollers (each side)	9
Number of track guide (each side)	2
Travel speed (high)	5.5 km/h
Travel speed (low)	3.5 km/h
Maximum drawbar pull	210 kN
Gradeability	70%
SERVICE REFILL CAPACITIES	
Swing drive	8.2 L
Final drive (each side)	5 L
Hydraulic system	250 L
Hydraulic tank	130 L
WORK EQUIPMENT	
Boom length	5700 mm
Arm length	2925 mm
Digging force of bucket	150 kN
Digging force of arm	109 kN

	ZE225CE
OVERALL DIMENSIONS	
A Overall length	9870 mm
B Overall width	2990 mm
C Overall height	3150 mm
D Track gauge	2390 mm
E Length of track on ground	3660 mm
WORKING RANGE	
O Maximum digging height	10010 mm
P Maximum digging depth	6660 mm
Q Maximum digging reach	9900 mm
R Tail swing radius	3130 mm
S Front minimum swing radius	3200 mm



STANDARD & OPTIONAL FEATURES

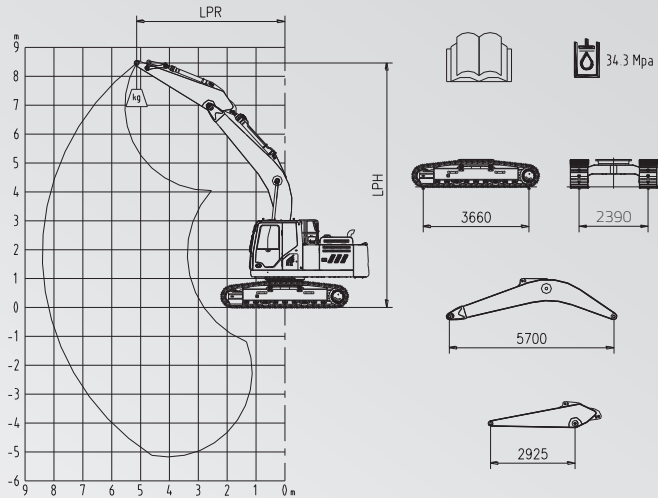
Category	Features	ZE225GE
Powertrain	Air cleaner	●
Hydraulic system	Boom cylinder hose burst valve	●
	Arm cylinder hose burst valve	●
	Attachments plumbing	●
	Quick coupler plumbing	●
Cab	ROPS	●
	Mesh guard	○
	Skeleton guard	○
	Fire extinguisher	●
	Mechanical suspension seat	●
	Air suspension seat	○
	Sunshade curtain	○
	Air conditioner	●
Undercarriage	Multifunctional joystick	●
	600mm track	●
	700mm track	○
	800mm track	○
	900mm track	○
Electrical system	Acousto-optic alarm	●
	Emergency stop	●
	12V DC outlets	●
	Rear view camera	●
	Cab front light	● 2 pcs
	Boom light	● 2 pcs
	Upper frame light	● 1 pc
	GPS	●
	AM/FM radio	●
	Right view camera and light	●
	Counterweight light	●
	Cab rear light	●
Others	Cylinder sleeve	○
	Cab rear mirror	● 1 pc
	Handrail rear mirror	● 1 pc
	Auto greasing system	○

● Standard ○ Optional

LIFT CAPACITY
ZE225GE



Do not attempt to lift or hold any load that is greater than these rated values at their specified lift-point radius and height.
The lift point is located at the centreline of the bucket pivot mounting pin on the arm.



LPH	Rated lift capacity (kg)												
	LPR										Lift capacity at maximum radius		
	1.5m		3.0m		4.5m		6.0m		7.5m				
m	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	m
7.5							*4190	*4190			*3460	*3460	6.19
6.0							*4500	*4500			*3220	*3220	7.30
4.5					*5710	*5710	*5000	*5000	*4700	3620	*3170	*3170	7.97
3.0					*7400	*7400	*5780	*5780	*5040	3500	*3260	2960	8.32
1.5					*8990	6920	*6600	4640	*5440	3370	*3480	2850	8.40
zemin			*7090	*7090	*9870	6610	*7180	4450	5570	3280	*3880	2900	8.20
-1.5	*7460	*7460	*11210	*11210	*10000	6530	*7370	4370	5540	3250	*4620	3150	7.70
-3.0	*11690	*11690	*13420	*13420	*9400	6600	*6940	4410			*5820	3740	6.84
-4.5			*10810	*10810	*7680	6850					*6020	5290	5.44

Capacities marked with an asterisk (*) are limited by hydraulic capacities. See Note 2.

- The mass of slings and any auxiliary lifting devices shall be deducted from the rated load to determine the net load that may be lifted.
- Lift capacities are based on the machine standing on a firm, uniform supporting surface. The user shall make allowances for job conditions such as soft or uneven ground.
- The operator should be fully acquainted with the operator's manual and the operating safety manual furnished by the manufacturer before operating fixe machine.
- NOTE 1 Lift capacities shown are without the power boost feature engaged.
- NOTE 2 Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
- NOTE 3 The least stable position is over the side.
- NOTE 4 Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
- NOTE 5 The total mass of the machine is 22700kg. Included in this mass are 600mm triple grouser shoes, 5.7 m boom, 2.925 m arm, 3950 kg counterweight, all operating fluids and a 75 kg operator.
- NOTE 6 Lift capacities are in compliance with ISO 10567:2007.