

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, transportation and mineral processing equipment, with high standards of processing, assembly technology and strict quality control, every machine delivered with the ultimate 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 2-TONNAGE CRAWLER HYDRAULIC EXCAVATOR

ZE20G



**VISION
CREATES
FUTURE**



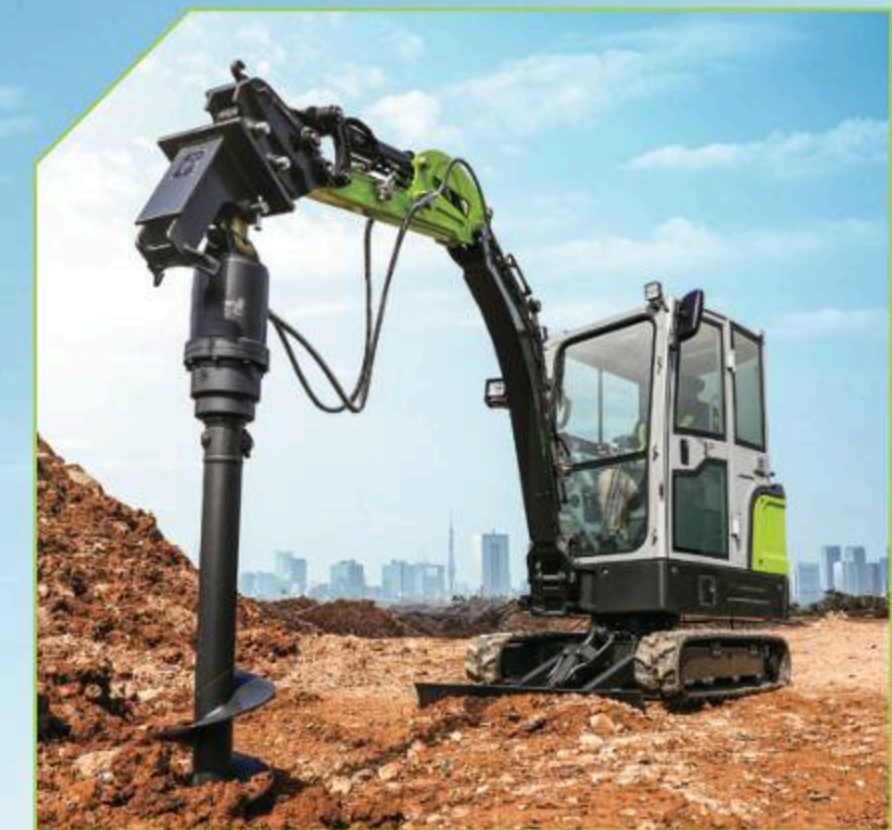
ZOOMLION MINI-EXCAVATOR

ZE20G

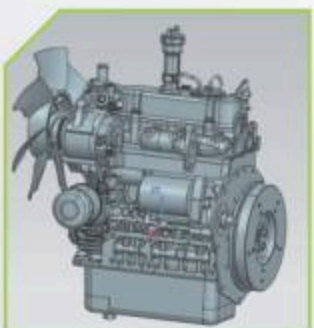
Engine power:
15.4 kW @ 2400 rpm

Operating weight:
1970kg

Bucket capacity:
0.04m³



ZOOMLION MINI-EXCAVATOR



FAMOUS BRAND ENGINE

Famous brand engine with three-vortice combustion system (E-TVCS);
Mechanical speed regulation ;
High power, sufficient power reserve, fuel saving



THE NEW-GENERATION OF ZOOMLION MAIN PUMP

The 28cc large-displacement main pump is combined with the large-torque, high-power reserve engine to achieve low fuel consumption and high work efficiency.



COMFORTABLE DRIVING EXPERIENCE



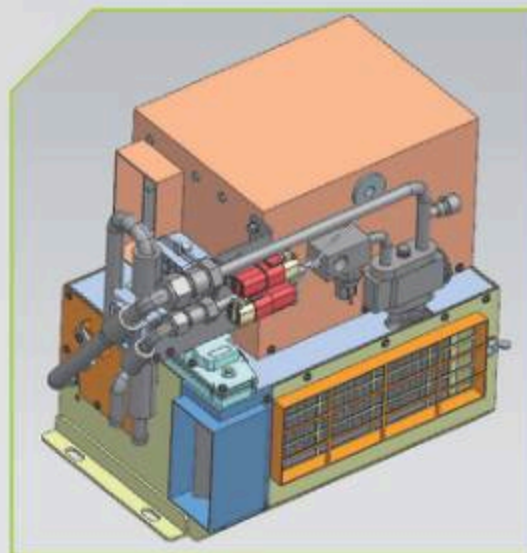
SUSPENSION SHOCK-ABSORBING SEAT

You can adjust the shock absorption effect based on the actual load. Together with the angle-adjustable backrest, and the concealed seat belt that is reboundable, you can enjoy a safe, reliable and comfortable driving experience.



INDEPENDENT DESIGN OF FRONT CONTROL BOX

The air duct and blowing port are arranged independently, monitor screen installed independently, which features a design with top grade.



STANDARD AIR-CONDITIONER

The air conditioners is customized for drivers to provide a comfortable working environment.



LARGE SPACE DESIGN

It enjoys spacious legroom, where operating will not be limited by space. The entrance also features large size for drivers to easily get inside and outside, The room is not mini in this mini-excavator.



CONSIDERATE DESIGN

Large entry space, convenient for the driver to enter and exit the cab.

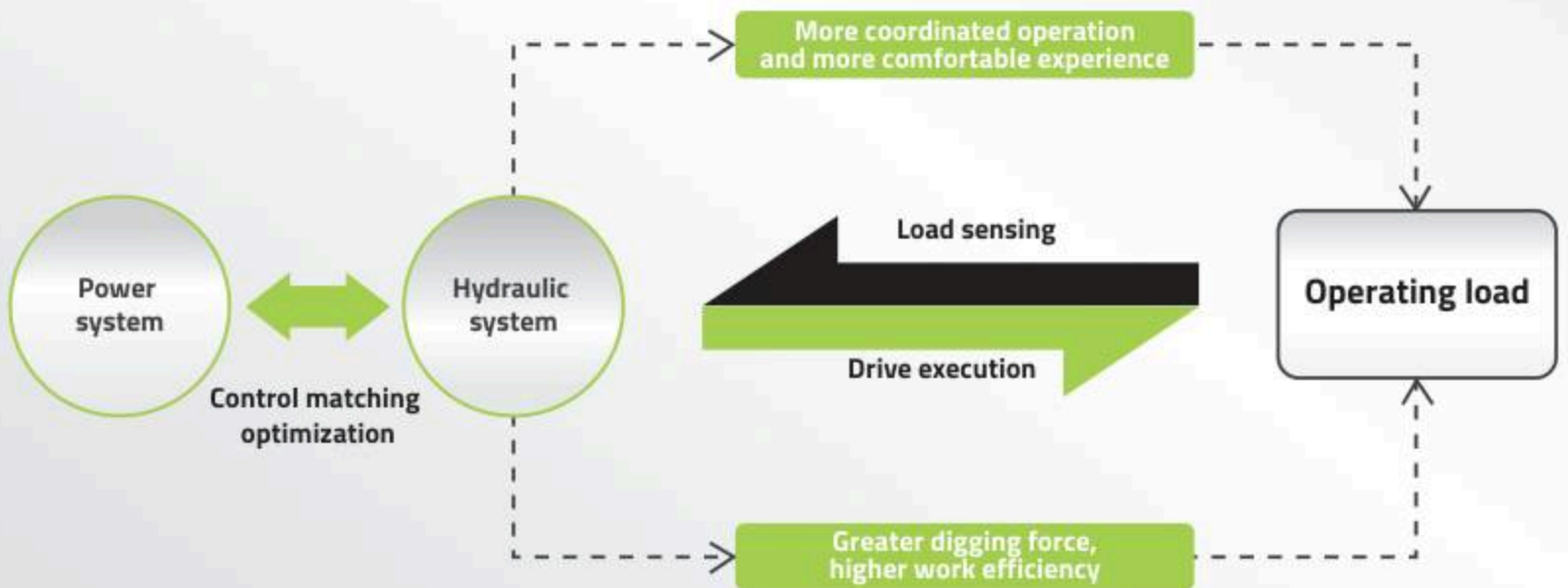


VERSATILE ZE20G

Versatile ZE20G has powerful performance and features, which can easily meet customer needs. A high configuration model is equipped with a breaker plumbing, a quick coupler plumbing, and multiple attachment plumbings, and allows the user to control the plumbing with a switch on the joystick for easier operation.

LOAD SENSING SYSTEM

It can provide and distribute the flow according to the needs of the system, which meets the requirements of the actuator speed regulation and compound action.



RETRACTABLE TRACK



Retractable track, so that the width of the machine is adjustable from 980 mm to 1300mm. In a narrow working space, the track shrinks so that the width of the whole machine becomes smaller, and the passability is better.

CONTROL PANEL

The LCD instrument panel provides key control. The user-friendly operation panel is not only full of technology, but also retains the physical key touch feeling. The menu bar on the right allows you to view key information such as engine speed, coolant temperature, and fuel level.



1. Battery voltage	2. Working hours	3. Coolant temperature	4. Fuel level
5. Fault warning	6. Light	7. High and low speed switching	8. Menu bar
9. Operation menu	10. Alarm		

ROPS/FOPS CAB

Safety is our primary concern. The cab meets ROPS (Roll-Over Protective Structure) and FOPS (Falling Objects Protective Structure) requirements. This is in line with our "people-oriented" concept to provide customers with a good working environment and improve work efficiency.

SMOOTH THROTTLE

The push rod outside the right armrest box is the throttle push rod (pushing forward to reduce the throttle, pulling back to increase the throttle).

MULTIFUNCTION JOYSTICK FOR A HIGH-CONFIGURATION MACHINE

The multifunction joystick of a high configuration machine can better assist customers in controlling various attachments to complete various tasks.



Adjustable armrest, which perfectly matches with the joystick, letting the operator work in the most comfortable posture with high efficiency.

ADJUSTABLE ARMREST



BOOM CYLINDER PROTECTION

Different from the traditional boom cylinder position, the boom cylinder of ZE20G is located above the boom to provide protection for the boom cylinder. This design avoids the stone splash damage to the cylinder especially in the breaking work.



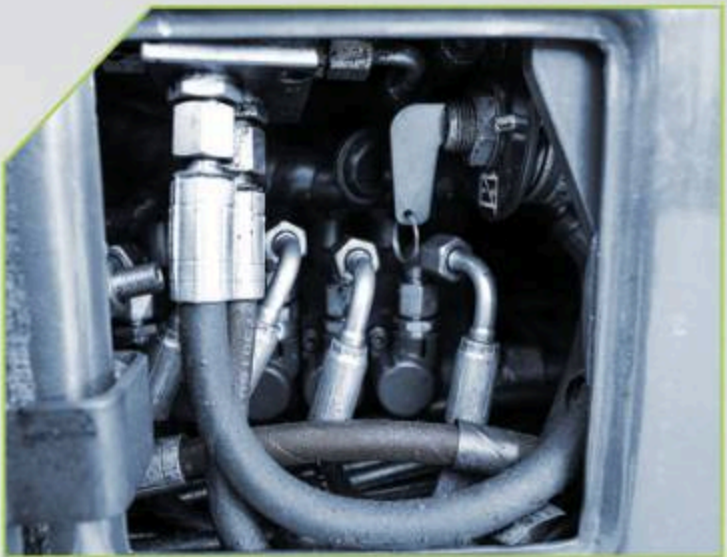
FRAGILE COMPONENTS PROTECTION

The working piping and boom harness are built in to protect these fragile components from damage.



EASY FILLING

By opening the cover plate, you can easily fill diesel here.



OPEN INSPECTION

You can check the hydraulic system through the window by opening the bottom plate, without the need to remove and tighten bolts or take other actions.



ONE-STOP MAINTENANCE

To open the whole tail covering piece, you only need to gently press the lock and rotate the buckle. All maintenance parts are within reach, maintenance space is large, and the maintenance method is simple, which greatly reduces the maintenance time and increases the work efficiency.



ZE20G	
DIMENSIONS	
Overall length A	3860 mm
Overall width B	980/1300 mm
Overall height C	2340 mm
Track gauge D	750/1070 mm
Length of track on ground E	1230 mm
Tail swing radius F	1100 mm
Counterweight ground clearance G	450 mm
Minimum ground clearance H	150 mm
PERFORMANCE PARAMETERS	
Operating weight	1970 kg
Standard bucket capacity	0.04 m ³
Rated power	15.4 kW@2400 rpm
Travel speed (high/low)	4.2/2.2 km/h
Swing speed	9.5 r/min
WORK RANGE	
Max. digging reach A'	4130 mm
Max. digging reach at ground level B'	4070 mm
Max. digging depth C'	2555 mm
Max. vertical digging depth D'	2225 mm
Max. digging height E'	3630 mm
Minimum front swing radius F'	2550 mm



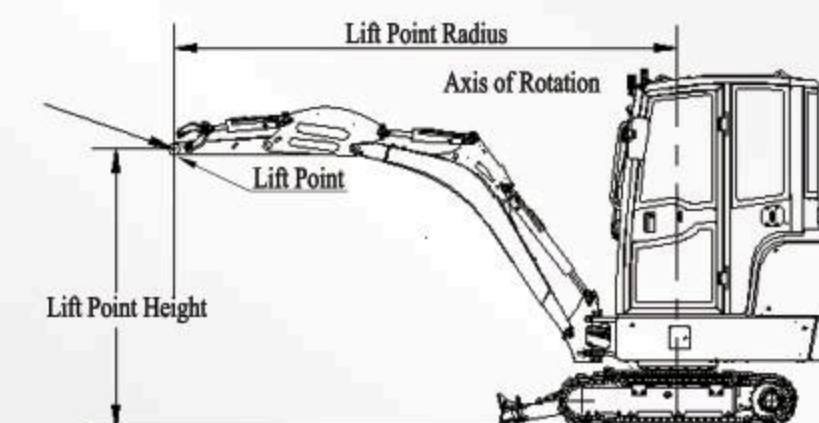
ZE20G	
HYDRAULIC SYSTEM	
Main pump	Maximum displacement : 62.5 L/min
Working oil circuit	25 MPa
Swing oil circuit	16.2 MPa
Traveling oil circuit	20.6 MPa
Pilot oil circuit	3.5 MPa
BASIC TECHNICAL DATA	
Digging force of bucket (ISO)	18.2 kN
Digging force of arm (ISO)	8.5 kN
Max. drawbar pull	16.6 kN
Boom length	1830 mm
Arm length	1190 mm
AMOUNT OF FILLING FOR MAINTENANCE	
Fuel tank capacity	25 L
Engine coolant	2.7 L
Engine oil	5.1 L
Hydraulic system	27 L
Hydraulic tank	21 L

LIFT CAPACITY

LIFT POINT HEIGHT	Lift Point Radius (1.0 m)		Lift Point Radius (2 m)		Lift Point Radius (MAX)	
	over-front (kg)	over-side (kg)	over-front (kg)	over-side (kg)	over-front (kg)	over-side (kg)
2.0 m			425*	384*	390*	382*
1.5 m			340*	384*	380*	377*
1.0 m			638*	637*	371*	370*
0 m			847*	835*	360*	347
-0.5 m	700*	430	840*	830*		
-1.5 m					497*	383

Notes:

- Load with * is limited by hydraulic capacity and based on ISO10567. Rated loads do not exceed 87% of the hydraulic capacity.
- Load without * is limited by tipping load and based on ISO10567. Rated loads do not exceed 75% of the tipping capacity.
- The excavator bucket, hook, sling and other lifting accessories are not included in this table.



SYSTEM	CONFIGURATION ITEM	ZE20G
Powertrain	Engine	● Kubota
	Emissions from engine	Euro 5/T4F
	Power kW/rpm	15.4/2400
Hydraulic system	Air Filter	●
	Boom cylinder hose burst valve	●
	Arm cylinder hose burst valve	●
	Breaker plumbing (one/two-way switchable)	●
	Attachment plumbing	●
	Quick coupler plumbing	●
Cab	Flow regulation attachment plumbing	●
	Cab	●
	FOPS	●
	ROPS	●
	Fire extinguisher	○
	Multifunctional joystick	●
Lower structure	Two-bar steel crawler	○
	Rubber track	●
	Rubber track block	○230 mm
	230mm track	●
	Carrier roller, single side	● Single carrier roller
	Track roller, single side	● 3
Work equipment	Lower rail damp, single side	○ Single guard rail
	Bulldozer blade	●
	Standard boom length	● 1830 mm
Bucket	Standard arm length	● 1190 mm
	Standard configuration	● 0.04 m³ reinforced bucket
	Optional part 1	○ 300 mm narrow bucket
Electrical system	Optional part 2	○ 900 mm wide flat bucket
	Audible and visual alarm	●
	Emergency stop switch	●
	12V power port	●
	Boom working light	● 1
	GPS	●
Attachments	Recommended breaker drill rod diameter 1	45 mm
	Straight breaker	○
	Hydraulic quick coupler	○
	Ripper	○
	Tilt soil bucket	○
	Auger (with 300mm drill bit)	○
	Auger extension rod	○ 600 mm
	Auger bit 450mm	○
	Thumb clamp	○

● STANDARD ○ OPTIONAL



Unit: mm

MODEL	A	B	C	D	E	F	G	H	I
ZE18GU	96	96	30	30	100	175	47	25	950

MODEL	J	K	L	M
ZE18GU	85	798	176	176