# **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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## **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 working efficiency.







#### ZOOMLION ZE18GU

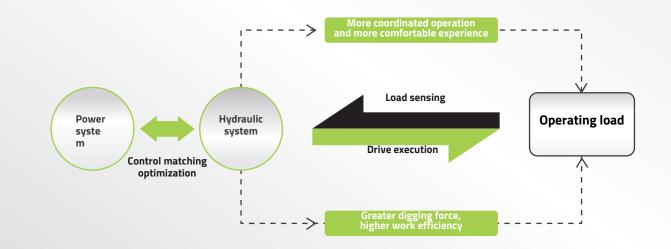
ZOOMLION ZE18GU has powerful performance and features, which can easily meet customer needs. A high configuration model is equipped with a breaker pipeline, a quick coupler pipeline, and multiple attachment pipelines, and allows the user to control the pipeline with a switch on the joystick for easier operation.





#### **LOAD SENSITIVE 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, where the working efficiency is higher than that of the three-pump throttling system.





#### **ROPS/FOPS Canopy**

Safety is our primary concern. The canopy 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).



# ELECTRIC PROPORTIONING JOYSTICK FOR A HIGHCONFIGURATION MACHINE

The electric proportional 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** 



ZE18GU-AU&NZ

#### **BOOM CYLINDER PROTECTION**

Different from the traditional boom cylinder position, the boom cylinder of ZE18GU 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 REFUELING**

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















#### OPEN INSPECTION

You can check the hydraulic system through the window by lifting the cab foot pad and 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.

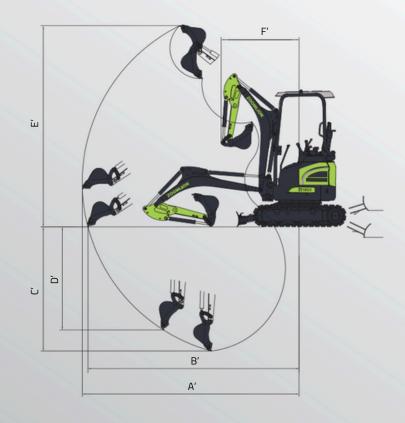


ZE18GU					
DIMENSIONS					
Overall length A	3545 mm				
Overall width B	990/1240 mm				
Overall height C	2385 mm				
Track gauge D	760/1010 mm				
Length of track on ground E	1230 mm				
Tail swing radius F	620 mm				
Counterweight ground clearance G	450 mm				
Minimum ground clearance H	150 mm				

PERFORMANCE PARAMETERS				
Operating weight	1800 kg			
Standard bucket capacity	0.04 m3			
Rated power	11.8 kW@2300 rpm			
Traveling speed (high/low)	3.8/2.2 km/h			
Swing speed	10 r/min			
	WORK RANGE			
Max. digging reach A'	3910 mm			
Max. digging reach at ground level B'	3845 mm			
Max. digging depth C'	2316 mm			
Max. vertical digging depth D'	1910 mm			
Max. digging height E'	3542 mm			
Min. swing radius of the front F'	1538 mm			





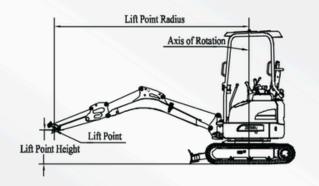


ZE18GU					
HYDRAULIC SYSTEM					
Main pump	Maximum discharge: 62.5 L/min				
Working oil circuit	24.8 MPa				
Swing oil circuit	16.2 MPa				
Traveling oil circuit	20.6 MPa				
Pilot oil circuit	3.5 MPa				
	BASIC TECHNICAL DATA				
Digging force of bucket (ISO)	17 KN				
Digging force of arm (ISO)	10 KN				
Max. drawbar pull	18 kN				
Boom length	1830 mm				
Arm length	950 mm				
AMOUNT OF FILLING FOR MAINTENANCE					
Fuel tank capacity	20 L				
Engine coolant	0.5 L				
Engine oil	3.7 L				
Hydraulic system	25 L				
ydraulic tank 18 L					

# **LIFT CAPACITY**

LIFT POINT	Lift Point Radius (1.5 m)		Lift Point Radius (2 m)		Lift Point Radius (MAX)	
HEIGHT	over-front (kg)	over-side (kg)	over-front (kg)	over-side (kg)	over-front (kg)	over-side (kg)
2.0 m			280*	280		
1.5 m	450*	450	400*	320	320*	180
1.0 m			550*	310	320*	170
0 m			580*	290	320*	170
-0.5 m	700*	430	500*	280		
-1.5 m	460*	440	310*	280		

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



037

Engine Power system Prover Mymp Power System Prover Mymp Power My	SYSTEM	CONFIGURATION ITEM	ZE18GU
Power system  Power Willipm  Ar charver  Boomepision-proof valve  Am explasion-proof valve  Am explasion-proof valve  Am explasion-proof valve  Province propriese  Attachment propriese  Province provi	Power system	Engine	● Kubota
Prover-William   118/200   Air clearer   Boomespicion-proof-valve   American   America		Emissions from engine	Euro 5/T4F
Boomesplosion-proof value Am optiosin-proof value Breater popies in professor-proof value Breater popies in professor-proof value  Breater popies in professor-proof value  Attachment pipeline  Quád coupler popiene  Flow reg altion attachment pipeline  Caropy FDOS  Cab  RDOS  Free drog jether  Mutinicational jupitiok  Rubber rank block  Rubber trank block  Rubber trank block  230mm crawler back  Rubber trank block  230mm crawler back  Carrier rules, raige side  Lower altimany single side  Inack gauge  Trank		PowerkW/rpm	11.8/2300
Hydraulic system  Besier price le prote-vu-sus with abbil  Attachment pipeline  Carbon PROPS  Cab  Cab  Cab  Cab  Cab  Cab  Cab  Ca		Airdeaner	•
Hydraulic system  Reader positive (one-thoso-way switchable)  Retarment pipeline  Ouklow page propisitie  Flowing skidon attachment pipeline  Canopy  FOPS  ROPS  ROPS  ROPS  ROPS  Robert Cab  Robert Canopy  Robert C		Boom explosion-proof valve	•
Attachment pipeline Quick coupler pipeline Plowregulation attachment pipeline Canopy FOPS  Cab  ROPS Fire extragulater  Attachment pipeline  Attachment pipeline Canopy FOPS Fire extragulater  Multifurctional justick  Two-bas steel crawler  Rubber crawler track  Rubber crawler track  Attachment pipeline  Lower structure  Tarchologies signed side Tarchologies side Tarchologi		Arm explosion-proof valve	•
Ritachment populare Quick coupler prepaire Flow regulation attachment pipeline Canopy FIDPS ABDES Fire extra guiden Multifunctional jugstick Five extra guiden Ribber crawker Ribber crawker tack Ribber track block Page and Single carrier roller Ribber strack block Carrier roller single side Carrier roller single side Lower structure Ribber single side Lower ald camp, single side Single carrier roller Ribber single side Lower ald camp, single side Dutter ald Single guard rail Ribber single side Ribber side single side Ribber side side side side side side side side	Hudoudia austana	Breaker pipeline (one/two-way switchable)	•
Flow regulation attachment pipeline  Caropy FIDS FITE edinguisher  Mutifurctional jupatek Fite edinguisher  Rubber track block Patcher track Rubber track R	Hydraulic system	Attachment pipeline	•
Carb  FIDS  ROPS  Fire extringuisher  Mutifunctional pystick  Two-bar steed ranker  Mutifunctional pystick  Two-bar steed ranker  Rubber cranker track  Rubber ranker track  Rubber ranker tack  Rubber ranker tack  Rubber ranker single side  Carrier roller, single side  Carrier roller, single side  Carrier roller, single side  Track roller, single side  Carrier ro		Quick coupler pipeline	•
FOPS		Flow regulation attachment pipeline	•
ROPS		Canopy	•
Fire extinguisher  Multifunctional popticisk  Two-bar steel cawader  Rubber track block  Rubber track block  230mm crawder track  Rubber track block  2230mm crawder track  Carrier roller, single side  Lower structure  Track roller, single side  Lower structure  Track roller, single side  Lower ald damp, single side  Disnigle guarter roller  Track gauge  760/1010mm  Tread  1230m  Bulldoner blade  Standard boom length  Standard boom length  Standard boom length  Mork equipment  Standard arm length  Standard arm length  Standard configuration  OLOW m' reinforced busidee  Ditional part 1  O300 mmnamow busidet  Optional part 2  Optional part 2  Optional part 2  Optional part 2  Optional part 3  Double and visual alarm  Emergency stop switch  124 power port  Boom working light  GPS  Recommended brealer roll incl diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tits soil busideet  Auger but 650mm  Auger extension rol  Auger but 650mm  Thumb clamp  Others  Austilan you curterweight  Others		FOPS	•
Multifunctional joyatick Two-bar steel crawler Rubber crawler track Rubber track block Rubber track Rubber track block Rubber track block Rubber track block Rubber track Rubber	Cab	ROPS	•
Two-bar steel crawler Rubber crawler track Rubber track block  230mm crawler track  Carrier roller, single side  Lower structure  Track roller, single side  Lower structure  Track gruge  Total  Track gruge  Total  Buldozer blade  Standard boom length  Standard boom length  Standard boom length  Standard arm length  Arm for thumb damp  Standard configuration  Optional part 1  Optional part 2  Optional part 2  Optional part 2  Audible and visu alabim  Emergency stop switch  Electrical  Boom working light  The sale  Recommended breaker of lided dameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tits ol bucket  Optional  Auger livit is only a superior of the sale of the sal		Fire extinguisher	0
Rubber crawler track Rubber track block 230mm crawler track Carrier roller, single side Carrier roller, single side  Lower structure    Track roller, single side   Univer ral dramp, single side   Track roller, single side   Track gauge   T60/1010mm   Track gauge   T80/1010mm   T80/100mm   T80/		Multifunctional joystick	•
Rubber track block		Two-bar steel crawler	0
Carrier roller, single side   Single carrier roller		Rubber crawler track	•
Lower structure    Carrier roller, single side   ● 3		Rubber track block	○230mm
Trackroller, single side   3		230mm crawler track	•
Lower al Edwards and general and a control of the state o		Carrier roller, single side	<ul> <li>Single carrier roller</li> </ul>
Track gauge   760/1010mm     Tread   1230m     Bulldozer blade   ●     Standard boom length   ● 1830mm     Standard boom length   ● 950mm     Arm for thumb damp   ● 950mm     Arm for thumb damp   ● 950mm     Standard configuration   ● 0.04 m² reinforced bucket     Optional part 1   ● 300mm armow bucket     Optional part 2   ● 900mm wide flat bucket     Audible and visual alamm   ●     Emergency stop switch   ●     12/ power port   ●     Electrical   Boom working light   ● 1     GPS   ●     Recommended breaker drill rod diameter 1   45 mm     Straight breaker   ●     Hydraulic quick coupler   ●     Ripper   ●     Tilt soil bucket   ●     Auger fwith 300mm drill bit)   ●     Auger fwith 450mm   ●     Thumb damp   ●     Others	Lower structure	Track roller, single side	●3
Tread Bulldozer blade  Standard born length  File Standard som length  Work equipment  Standard arm length  Arm for thumb damp  Standard configuration  Standard configuration  Optional part 1  Optional part 2  Optional part 2  Optional part 2  Audible and visual alarm  Emergency stop switch  12/ power port  Electrical  Boom working light  GPS  Recommended brealer fell rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tilt soil bucket  Auger (with 300mm drill bit)  Auger extension rod  Auger bit 450mm  Auger bit 450mm  GOOmmm  Auger bit 450mm  Chers  Others  Others		Lower rail damp, single side	○Single guard rail
Buldozer blade  Standard boom length  Standard arm length  Arm for thumb damp  Standard configuration  Optional part 1  Optional part 2  Optional part 2  Audible and visual alarm  Emergency stop switch  12V power port  Bloomworking light  GPS  Recommended breaker drill rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Titts oll bucket  Auger with 300mm drill bit)  Auger stension rod  Auger wit 450mm  Auger bit 450mm  Chers  Others  Audispandard promiented breweight  Optional part 2  Optional part 1  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 1  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 1  Optional part 1  Optional part 2  Optional part 1  Optional part 2  Optional part 1  Optional part 1  Optional part 2  Optional part 1  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 1  Optional part 2  Optional part 2  Optional part 1  Optional part 2  Optional part 1  Optional part 2  Optional part 1  Optional pa		Track gauge	760/1010mm
Standard boom length  Work equipment  Standard arm length  Arm for thumb damp  O950 mm  Standard configuration  Optional part 1  Optional part 2  Optional part 2  Audible and visual alarm  Emergency stop switch  12V power port  Electrical  Boom working light  GPS  Recommended breaker drill rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Attachments  Auger (with 300mm drill bit)  Auger extension rod  Auger with 450mm  Auger with 450mm  Auger bit 450mm  Others  Others		Tread	1230m
Work equipment  Standard arm length  Arm for thumb damp  950 mm  9tandard configuration  Optional part 1  Optional part 2  O		Bulldozer blade	•
Arm for thumb damp O950 mm  Standard configuration ●0.04 m³ reinforced bucket  Optional part 1 O300 mm narrow bucket  Optional part 2 O900 mm wide flat bucket  Audible and visual alarm  Emergency stop switch  12V power port  Electrical Boom working light ●1  GPS ●  Recommended breaker drill rod diameter 1 45 mm  Straight breaker  Hydraulic quick coupler  Fipper  Titts oil bucket ○  Attachments  Auger (with 300 mm drill bit) ○  Auger extension rod ○600 mm  Auger bit 450 mm  Thumb clamp  Others		Standard boom length	●1830 mm
Standard configuration  Optional part 1  Ogoomm narrow bucket  Optional part 2  Optional part 2  Audible and visual alarm  Emergency stop switch  12V power port  Electrical  Boom working light  GPS  Recommended breaker drill rod diameter 1  Straight breaker  Hytraulic quick coupler  Ripper  Tilt soil bucket  Auger (with 300mm drill bit)  Auger extension rod  Auger bit 450mm  Others  Others  Optional part 1  Ogoomm narrow bucket  Ogoomm narrow bucket  Ogoomm narrow bucket  □ 1  Straight breaker 1  Auger (with 300mm drill bit)  □ 0  Thumb clamp  Others  Others	Work equipment	Standard arm length	●950 mm
Bucket Optional part 1 Optional part 2 Optiona		Arm for thumb damp	○950 mm
Optional part 2		Standard configuration	●0.04 m³ reinforced bucket
Audible and visual alarm  Emergency stop switch  12V power port  Boom working light  GPS  Recommended breaker drill rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tilt soil bucket  Attachments  Auger (with 300mm drill bit)  Auger extension rod  Auger bit 450mm  Thumb clamp  Others	Bucket	Optional part 1	○300 mm narrow bucket
Electrical  Boomworking light  GPS  Recommended breaker drill rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tilt soil bucket  Attachments  Auger (with 300mm drill bit)  Auger sextension rod  Auger bit 450mm  Thumb clamp  Others  Audilary counterweight		Optional part 2	○900 mm wide flat bucket
Electrical  Boom working light  GPS  Recommended breaker drill rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tilt soil bucket  Attachments  Auger (with 300mm drill bit)  Auger extension rod  Auger bit 450mm  Thumb clamp  Audilary counterweight		Audible and visual alarm	•
Boom working light   GPS		Emergency stop switch	•
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   Auger bit 450mm  Thumb clamp  Augiliary counterweight		12Vpowerport	•
Recommended breaker drill rod diameter 1  Straight breaker  Hydraulic quick coupler  Ripper  Tilt soil bucket  Auger (with 300mm drill bit)  Auger extension rod  Auger bit 450mm  Thumb clamp  Audiary counterweight  Others	Electrical	Boom working light	●1
Straight breaker		GPS	•
Hydraulic quick coupler   Care   Ca		Recommended breaker drill rod diameter 1	45mm
Ripper   C     Tilt soil bucket   C     Attachments		Straight breaker	
Tilt soil bucket		Hydraulic quick coupler	0
Attachments         Auger (with 300mm drill bit)         ○           Auger extension rod         ○600 mm           Auger bit 450mm         ○           Thumb clamp         ○           Others         Auxiliary counterweight		Ripper	
Auger extension rod O600 mm  Auger bit 450mm  Thumb clamp  Others  Audilary counterweight		Tilt soil bucket	0
Auger bit 450mm  Thumb clamp  Others Auxiliary counterweight	Attachments	Auger (with 300mm drill bit)	
Thumb clamp  Others Auxiliary counterweight		Auger extension rod	○600 mm
Others Auxiliary counterweight		Auger bit 450mm	
Others		Thumb damp	0
	Others	Auxiliary counterweight	0
	Others	Cab rearview mirror	01

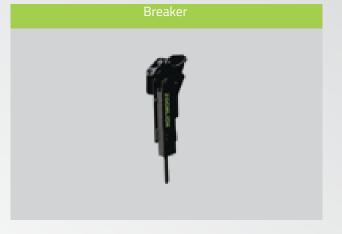
• STANDARD o OPTIONAL





Hydraulic quick coupler













09