## **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 900KG SKID-STEER LOADER ZS090V





The ZOOMLION skid-steer loader provides you with outstanding performance, exceptional comfort, ease of maintenance, and superior durability.

### **OUTSTANDING PERFORMANCE**

Constant engine speed can be maintained during

operations such as cold milling, trenching, sweeping,

snow removal, and drilling

The foot-operated throttle can be used to increase

engine speed when strong power is needed for a

short period of time.



### **EXCELLENT PASSABILITY**





### Standard heavy-duty tires

Anti-crack heavy-duty tires have a durable tread pattern for excellent grip and stability.

### High ground clearance for a greater departure angle

With a high ground clearance of 201 mm and a 25° departure angle, the ZS090V easily crosses large obstacles, allowing it to drive on more rugged surfaces and work in more complex environments.

### Optional solid tires

The solid tire design makes the tire super wear-resistant, further enhances its service life, and avoids the risk of flat tires.

# UNIQUE VERTICAL LIFTING ARM

The bionic design of the arm, like the "downward curved willow leaf," improves lateral vision and protects you during work.



The maximum dump height is **2,377** mm

The maximum height dump angle of **42°** results in faster unloading

The wheelbase of **1,080** mm makes the working process more stable

The maximum bucket breakout force is 18.5 kN















### **EXCEPTIONAL COMFORT**

ZOOMLION

### **Exceptional comfort**

The panoramic cab increases safety during

### Optional suspension seat

An even more outstanding suspension seat allows you to maintain an excellent working

### Ample legroom

The spacious cab offers ample legroom to help reduce operator fatigue



#### Optional cupholder

A cupholder under the right armrest makes it easy to place a cup of water to quench your thirst while you work



### Optional air-conditioning configuration

It provides superior cooling and heating all



### Reading lamp

A standard reading lamp makes it easy to view and read inside the cab



### Large-screen instrument

A standard large-screen instrument results in friendly human-machine interaction It can remind maintenance information and fault information in real time



### **Pressurized cab**

The pressurized cab effectively isolates dust, flying debris, and insects, enabling you to work in a comfortable environment with minimized distractions, lower noise levels, and reduced fatigue even during extended work periods



#### 12V power output

With a maximum power output of 120 W, it can charge mobile phones and power other small electronic devices

### **EXCELLENT SAFETY**



Optional cab side guard

side guard protects your lateral safety



FOPS/ROPS cab

A cab certified for FOPS/ROPS provides protection in the event of unforeseen rollovers and falling objects



Optional turn signals and exterior rearview mirrors

They do not move with the lifting arm, making it easy to observe the situation at the back of the body at any time and keeping you safe





### Optional reversing camera

Its large display at the front of the cab and the high-defini tion camera at the rear ensure a complete view of the ma chine's rear door



Hydraulic lines are located inside the lifting arm for perfection of the hydraulic lines



Optional license plate holder and license plate lamp at the rear end

They make it easy to identify your vehicle

### **EASE OF MAINTENANCE**





#### Interior maintenance

The cab can be tilted without raising the boom, easy to check the hydraulic pump, multi-way valve, and pipelines



#### Daily inspections

Opening the rear door and the upper cover grants access to all components for daily inspections



#### Integrated toolbox

The toolbox is integrated into the cab floor for easy storage of tools

- 1 Engine injectors
- 2 Engine oil level gauge
- 3 Battery
- 4 Hydraulic oil filter
- 5 Fuel filter
- 6 Air filter
- 7 Fuel-water separator
- 8 Oil filter







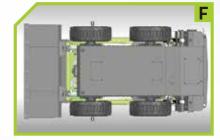
#### Side-mounted sprocket box

Sprocket boxes arranged on the side facilitate daily maintenance and inspection



### Mud cleaning port

Two cleaning ports at the front of the cab ensure quick and easy removal of mud and debris from the interior of the cab



The bottom ensures quick and easy removal of mud and debris from the lower part of the machine

#### LCD instrument enables real-time monitoring of maintenance information

Long service intervals reduce frequent maintenance, allowing oil changes every 500 hours

### **VARIOUS ATTACHMENTS**

# **Combination Bucket**





■ Grapple,Root ■ Breaker

■ Pallet Forks

- Sweeper with gutter brush
- Angle Broom
- Dozer Blade
- Snow Blower

- Grapple, Industrial
- Mixing Bucket Scraper
- Snow Blade
- Tiller
- Trencher Mower
- Auger
- Bale fork
- Combination Bucket







Exterior rearview mirror

Automatic bucket levelling

■ Safety hammer

■ Fire extinguisher

• Cab side guard ■ External counterweight

Cup holder

High-flow system

### LIST OF OPTIONS

#### **Standard Configuration**

- Adjustable suspension seat
- Attachment hydraulic system
- Mechanical quick change device
- Reversing alarm
- Hand and foot control mode
- ISO control mode
- Horn
- 0.44 m³ bucket
- Integrated instrument
- Lifting arm safety support
- Front and rear work lamp and driving lamp
- Enclosed cab (meets ROPS and FOPS safety requirements of the CE certification; has car trim, left and right side windows, sunroof, rear window, and front door; power connector; wiper and water bottle, and reading lamp)

### **Optional configuration** ■ Fan heater

- Two-point safety belt
- Safety interlock device ■ Safety bar
- Built-in rearview mirror
- 10 x 16.5 standard tires
- Universal sign
- TUG information platform ■ Movable blade
- Floating arm function
  - Movable bucket teeth

• Reversing camera

- Emergency stop switch
- Attachment quick coupling dust cover

• Heating and cooling air conditioner

■ SSS31×10-20 solid tires

Rotating warning lamp

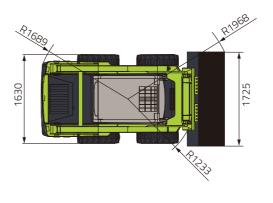
- Wiring harness for electrical control of attachment
- Turn signals & exterior rearview mirror
- License plate bracket & license plate lamp
- Hydraulic quick change device

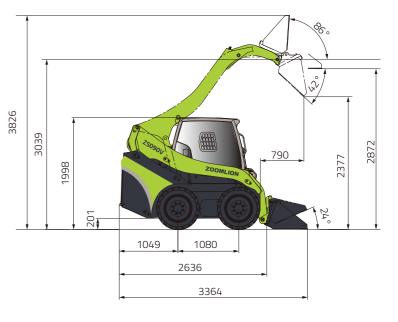
### MAIN PARAMETERS

Item	ZS090V	
Model		
Rated Operating Capacity	901 kg	
Tipping Load	1802 kg	
Operating Weight	2998 kg	
Standard Bucket Capacity	0.44 m³	
Performance Parameters		
Boom Breakout Force(ISO)	16.5 kN	
Bucket Breakout Force(ISO)	18.5 kN	
Max. Travel speed	11.5 km/h	
Max Gradeability	25° (46 %)	
Max. Drawbar Pull	23 kN	
Engine Parameters		
Emission certification	EUV	
Gross power (SAE J1995 Gross)	48.6/2700 kW/rpm	
Net power (SAE J1349 Net)	47.9/2700 kW/rpm	
Diesel Tank	72 L	
Displacement	2434 ml	
Coolant (Standard Level)	11 L	
Hydraulic System Parameters		
Hydraulic Tank Volume (Standard Level)	35 L	
Hydraulic System (Standard Level)	70 L	
Work System (Standard Flow)	70 L/min	
Work System (Max. Flow)	110 L/min	
Traveling System Pressure	28 MPa	
Work Equipment System Pressure	21 MPa	

Item	ZS090V
Overall Dimensions	
Overall Length (with bucket)	3364 mm
Overall Width (with bucket)	1725 mm
Overall Height (To Cab Top)	1998 mm
Bucket Hinge Pin Height	3039 mm
Tail Length	1049 mm
Ground Clearance	201 mm
Departure Angle	25 °
Tire Edge Width	1630 mm
Front Turning Radius (Without Bucket)	1233 mm
Front Turning Radius (With Bucket)	1968 mm
Rear Turning Radius	1689 mm
Work Range	
Max. Operating Height	3826 mm
Max. Dump Height	2377 mm
Dump Angle at Maximum Height	42 °
Bucket Tilting Angle at Maximum Height	86 °
Max. Bucket Retracting Angle at Flat Ground	24 °
Dump Reach	790 mm
Undercarriage Parameters	
Wheel Base	1080 mm
Tread Width	1356 mm
Tire Size	10-16.5 mm

### **Dimensions and** work range diagram





10 75090V ZS090V