



# L975H Wheel Loader

Reliability in Action

Operating weight: 26690 kg  
Bucket capacity: 4.5 m<sup>3</sup>  
Engine: Weichai WP10G270E341  
Engine power: 199 kW  
Max Breakout force: 195 kN



**SDLG machines** are built to be like the people that own them: hardworking, genuine and reliable. Cost effective, robust machines with fuel efficient engines that are easy to operate and easy to maintain. And when you need parts or service, you can trust your dealership to deliver on the SDLG promise: **Reliability in Action.**



Congratulations SDLG for winning  
**EFQM Global Excellence Award**  
One of the top three quality awards in the world



**Shandong Lingong Construction Machinery Co., Ltd.**

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### Shandong Lingong Construction Machinery (SDLG)



Shandong Lingong Construction Machinery (SDLG), first established in 1972, is a leading international manufacturer of construction machinery, and the national-level high-tech company. SDLG produces more than 100 kinds of products in three categories, namely, loaders, excavators and pavement construction machinery. Its pillar products are rated as China Famous-brand Product and Famous Trademark of China. SDLG has received many honorary titles including China's Top 100 Enterprises in Machinery Industry, Leading Enterprise in the Industry, Credible and Reputed Enterprise, Single-item Champion Demo Company in Manufacturing Industry, National Labor Medal, Governor Quality Prize, National Quality Award in Machinery Industry, National Quality Prize, Asia Quality Excellence Prize, EFQM Global Excellence Award and National Quality Benchmark Company, etc.

SDLG, maintaining sound partnership with leading universities and research institutes in China, has established the open and efficient system for technological cooperation and innovation. It has established the national-level technical center and Post Ph.D. work station. It undertakes a few R&D tasks in China's 863 Program and those above the provincial level, obtaining more than 290 national patents.



**1972**

Established



**100+**

Kinds Of Products



**290+**

Patents



**130+**

Countries And Regions

### CORE CONCEPTS



#### SDLG Vision

To become a leading internationalized construction machinery enterprise



#### SDLG Mission

Creativity, builds a new world



#### Core Value

Efficiency first, leading technology

### SDLG Builds A Recommended Brand In The Construction Machinery



SDLG keeps pushing forward the strategy of international operations, and enhancing cooperation and exchanges in technology, management and brand operation. As a result, SDLG is becoming more international in product layout, supporting system, HR and marketing. Till today, it has setup multiple production facilities and dozens of marketing & service outlets in the world, whose business reaches over 130 countries and regions and whose export has been increased considerably.

SDLG has advanced technical apparatuses, testing equipment and management system, which ensure the product quality and performance. The customer satisfaction and market share of SDLG take the leading position in the industry. SDLG follows the core value of "efficiency first, leading technology", adhering to technological and management innovations, promoting the excellence performance management and LPS, and implementing the precision marketing and brand strategy. By constantly improving the operation efficiency, it has become a major tax payer for both provincial and municipal fiscal budgets.



"Take the route of top brand, build a centennial SDLG", SDLG is working hard to build the leading international manufacturer of construction machinery. By making the intensive and innovative development, it aims to become the most satisfying and recommendable brand in the construction machinery industry.

**L975H is a large-tonnage, long-wheelbase and high-configuration loader. It delivers outstanding longitudinal stability and a large tipping load, making it perfectly suitable for large-scale heavy-duty operations. It is widely applied in large ports, docks, coal mines, iron and steel enterprises and other industrial fields.**



#### ***High Power Output***

- The engine and transmission system are optimally matched, providing higher traction and breakout force than competing products in the same class.

#### ***Low Fuel Consumption***

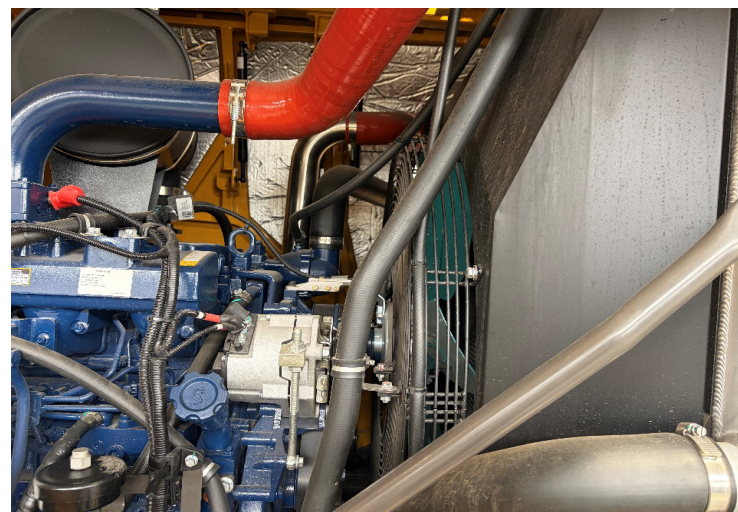
- Equipped with a constant-variable hydraulic system that supplies flow on demand, the machine reduces fuel consumption by approximately 10% compared with competitors.

#### ***High Operating Efficiency***

- The loader features fast overall response speed and short working cycles, with efficiency far exceeding that of competing brands.

#### ***Comfort and Convenience***

- It offers a spacious driving space, excellent visibility, low noise and vibration, as well as easy operation and convenient maintenance.



### Excellent Power Performance & Fuel Economy

Weichai engines deliver strong torque output at low speeds, making them particularly suitable for the frequent start-stop and heavy-duty operating conditions of loaders, which effectively improves work efficiency. Meanwhile, its fuel economy has been proven by the long-term market, offering distinct cost advantages under certain working conditions and helping users reduce long-term operating costs.

### Reliability & Environmental Adaptability

Weichai engines have undergone specialized optimization for complex working conditions such as high altitude, dust and extreme temperatures, featuring strong component durability and environmental adaptability. With mature technology, convenient maintenance and an extensive parts supply network, they can effectively reduce equipment downtime.

### Service & Cost Advantages

Weichai boasts a comprehensive domestic service system with fast response and widely popularized maintenance technologies. Compared with some imported brands, it enjoys more competitive maintenance costs and spare parts prices, resulting in a lower total life cycle cost.

High torque output at low engine speeds and excellent reliability; lower operating costs with no need for urea addition, simpler maintenance, lower servicing costs, and superior fuel adaptability (Euro V engines require ultra-low sulfur fuel, as sulfur will damage the catalysts in the after-treatment system).

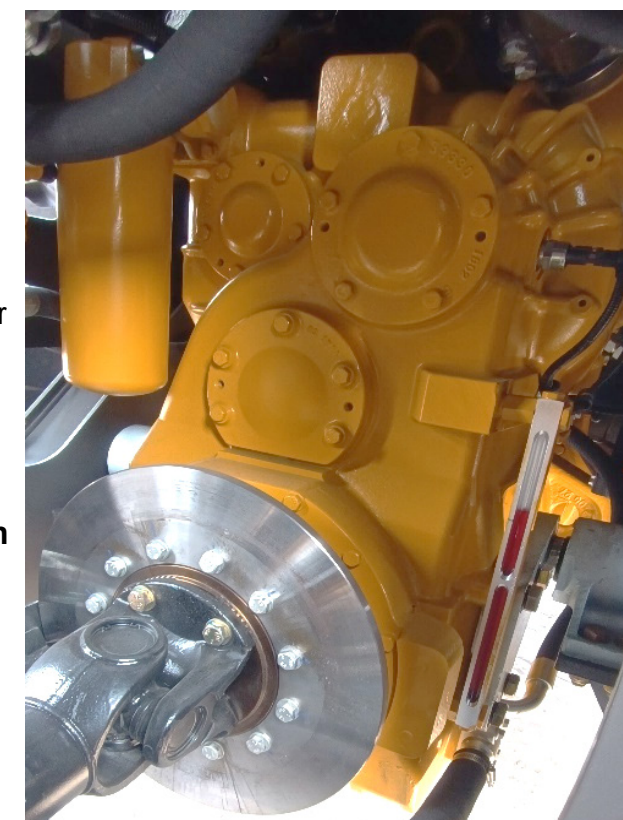
Equipped with a standard 9T-class transmission adopting VOLVO-derived technology, boasting a service life of over 12,000 hours, featuring long durability, high reliability and sturdiness.

#### 1. Improved Operational Efficiency & Smoothness, Precise Matching to Working Conditions.-

Different speeds are required for different stages in complex working cycles (e.g., loading, hauling, dumping). Closely spaced gear ratios allow the operator to select the most suitable gear for each operation, including loading, heavy-duty transport, empty return and precise positioning, reducing power waste or waiting time caused by insufficient speed, making the entire working cycle smoother and faster. The engine speed changes more smoothly during shifting, which effectively reduces shock and jerk, enhancing operator comfort.

#### 2. Optimized Fuel Economy, Engine Operating in High-Efficiency Range.

With closely spaced gears, the operator can maintain the engine speed near the peak torque output range and optimal fuel efficiency range under most working conditions. It avoids engine lugging at high gear with low RPM or unnecessary fuel consumption at low gear with high RPM, thus achieving remarkable fuel-saving effects.



Equipped with SDLG wet-type axle, it boasts outstanding load-bearing performance, Equipped with a full hydraulic braking system dual-enhancing safety and operational efficiency.

Adopting the same frame technology as VOLVO, it boasts reliable quality with a service life of over 10,000 hours. Equipped with a wide articulated box-type frame, the machine delivers superior overall operational stability.



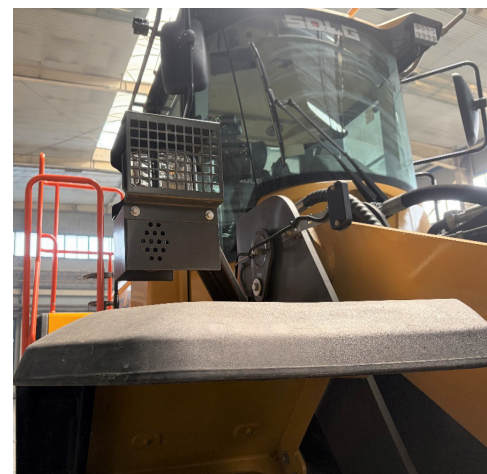
Single joystick integrating FNR and triple valve functions; quick coupler controlled by a rocker switch. The left control armrest is equipped with electric steering and FNR functions.

The operator can complete all operations including forward travel, reverse travel and gear shifting with just one hand on the right side of the steering wheel (specific gears are usually selected via a thumb wheel or buttons). There is no need to frequently move the right hand to operate a traditional gear lever, nor to step on the clutch or direction change pedal with the left foot. Ultra-fast direction switching: In the V-cycle operation with frequent forward and reverse movements, the travel direction can be instantly changed with a slight push or pull of the wrist, greatly shortening the cycle time and directly improving operational efficiency.

Reduced operator fatigue and enhanced comfort: The hand stays within the steering wheel area at all times, maintaining a stable body posture. This avoids frequent body leaning and coordinated hand-foot movements of conventional operation, significantly reducing fatigue during long-hour operations. The operation effort is light, completely eliminating the physical exertion of pressing the clutch pedal.

Enhanced safety and intuitive operation, preventing misoperation: The clear gear detents and tactile feedback (F-N-R) lower the risk of incorrect gear engagement. Some high-end models are also equipped with direction change protection logic, allowing forward/reverse switching only at extremely low speeds or when stationary to protect the drivetrain. More intuitive operation: The travel direction is consistent with the joystick movement (push forward for forward, pull back for reverse), which is intuitive and easy to learn.

Optimized cab layout and space, freed-up floor area: The elimination of the floor-mounted long gear lever and clutch pedal creates a flat and spacious cab floor, facilitating operator entry, exit and movement, while also making it easier to keep clean.



Certified FOPS&ROPS cab, safe and reliable; Maximum bearing weight up to 30000 kg, safe and protective. Stylish appearance, beautiful design, high strength, and eco-friendly materials. Curved front windshield with wide field of vision. Excellent cab shock absorption and high comfort.



Equipped with an HD LCD screen and button-based operation, it delivers a user-friendly and highly efficient human-machine interaction experience. It real-time displays key data such as current date and time, average fuel consumption, and total operating hours, guaranteeing clear and instant access to critical information.



A luxury driving cockpit equipped with an air suspension seat and safety belt, an adjustable headrest, ensuring superior comfort and peace of mind. Vertical layout of control buttons, all within easy reach.



The cab is equipped with a 270° camera as standard, featuring a three-screen display (left, right, and rear) for an all-round, obstruction-free view.



### Emergency Stop Switches

Equipped with 3 emergency stop switches (1 internal, 2 external), ensuring comprehensive safety and emergency shutdown capabilities.



### Battery Isolation Switch

Equipped with a battery isolation switch and a starter isolation switch, it ensures maximum safety during maintenance and repair operations.



### Wheel Chocks & Boom Support Device

Equipped with wheel chocks as standard, effectively locking the vehicle to prevent rolling, and providing solid safety protection during parking and maintenance. Featuring a boom support device, ensuring the safety of personnel during maintenance and repair work.



### Quick Coupler & Travel Stability Module

Equipped as standard with a quick coupler system and a triple valve bank (integrated with manual ball valves), it enables rapid attachment switching and precise control, significantly enhancing operational efficiency and safety. A travel stability module effectively suppresses driving bumps and pitching motions, ensuring exceptional smoothness and precise control during high-speed travel under load.



Intercom System & Intelligent Weighing System



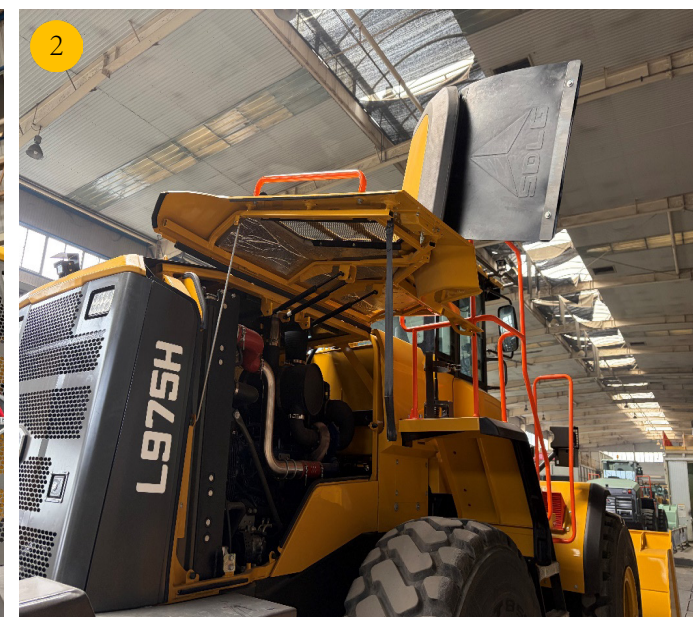
Buzzer & Foldable Rotating Beacon



Line Burst Valve



① Dual-side 90° Wide Opening: The hood opens to a wide angle for efficient maintenance access.



② Three Gas Springs per Side: Ensures stable support and safe anti-fall operation.



③ Equipped with an automatic lubrication system, it significantly reduces manual maintenance intensity for ultimate convenience; Features timed, fixed-point, and fixed-quantity lubrication, enabling intelligent maintenance management.



④ During maintenance, technicians can connect a computer via this device to quickly read fault codes and accurately locate problems in the engine, transmission and other systems.

## World-Class Research and Development System



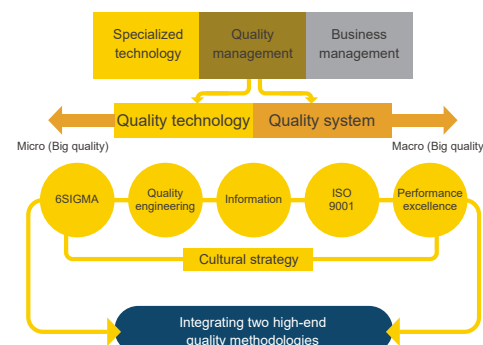
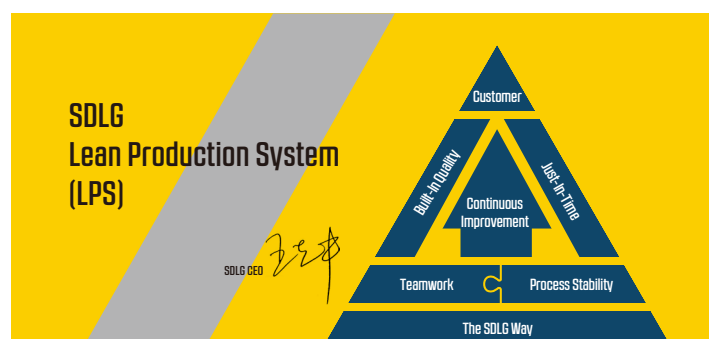
SDLG possesses a world-class technical center and testing laboratory. Its cutting-edge R&D center integrates a 3D design system, Computer Aided Engineering (CAE) analysis, and Product Lifecycle Management (PLM).

## Customer-Oriented Global Development Process

Guided by the principle that "R&D must be market-oriented and closely aligned with real-world operations," SDLG leverages customer insights to maximize value. This is achieved through our advanced GDP framework, cross-functional collaboration, in-depth core technology research, and lean R&D practices.

## Advanced Quality Management

SDLG operates under an ISO 9001 quality management system, the world's most widely recognized benchmark for consistent performance. This system provides the framework for SDLG to monitor and manage quality across all operations. Guided by ISO 9001, the company has established clear quality targets, including reducing warranty-period failures. Furthermore, the system has enabled the development of the proprietary Lingong Production System, which integrates lean manufacturing and Six-Sigma methodologies, and drives continuous improvement throughout the supply chain.



EXPERT



FAST

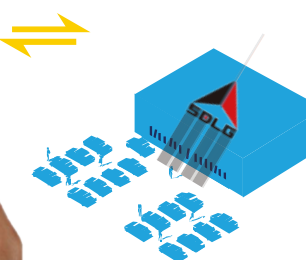
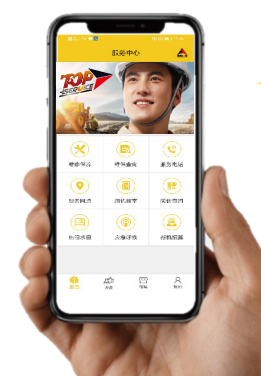


CARE

SDLG dedicated to provide excellent service experience

Customer Enquiry

Service Station



### SDLG System Support

L@M  
Parts Catalog & Shopping Cart  
Technical Files, TSBs, and PMI

OLDP  
Warranty Information, Feedback,  
and Spare Parts Sales

3D  
Training System, Structural and  
Working Principle Animations

Fast Service



Customer Call



Field service work order



Technician Arrived site



Calling for Feedback



Customer Verify



Field Service



Uncomplete order follow-up

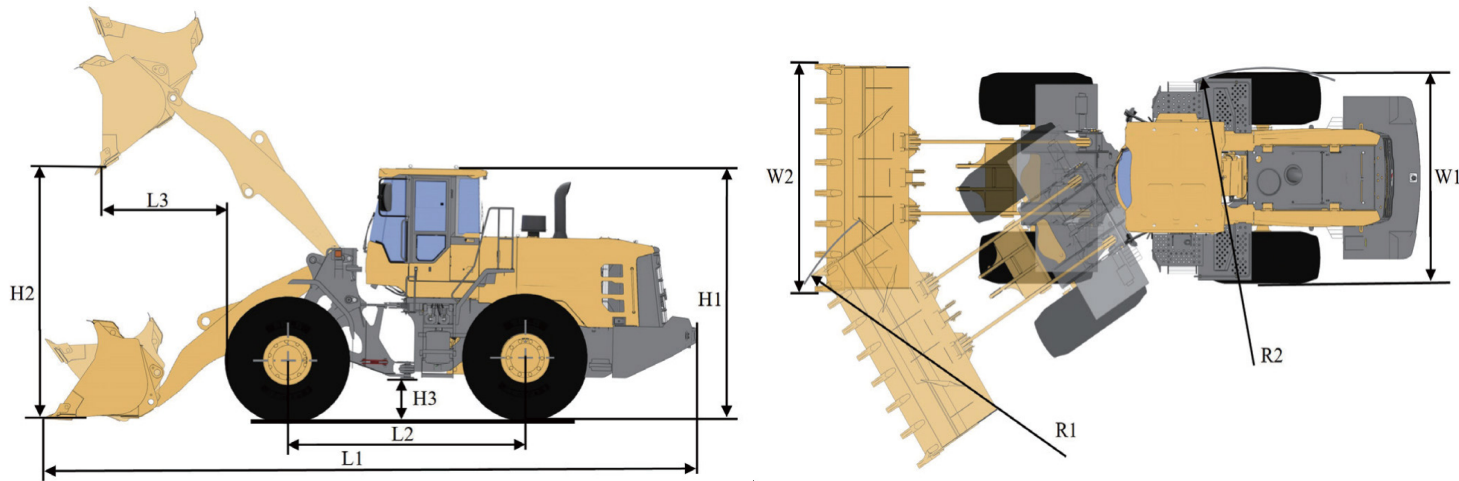


PMM



Complaint Management

Standardized Service Process



| Engine                                 |              |
|----------------------------------------|--------------|
| Emission Regulation                    | Stage III    |
| Manufacturer                           | Weichai      |
| Model                                  | WP10G270E341 |
| Rated Engine Power (kW)                | 199          |
| Rated Engine speed (r/min)             | 2200         |
| Peak Torque/Engine Speed (N.m)/(r/min) | 1300/1400    |
| Displacement (ml)                      | 9726         |
| Number of cylinders                    | 6            |

| Transmission                      |                             |
|-----------------------------------|-----------------------------|
| Transmission Type                 | Countershaft , powershift   |
| Torque Converter                  | Single-stage, Three-element |
| Maximum Travel Speed , fwd (km/h) | 40                          |
| Maximum Travel Speed , rev (km/h) | 40                          |
| Number of Speed ,fwd              | 4                           |
| Number of Speed ,rev              | 4                           |

| Axles        |               |
|--------------|---------------|
| Front / Rear | AL42W / AL45W |
| Type         | Wet axle      |

| Brakes                |                                     |
|-----------------------|-------------------------------------|
| Parking System        | Pressure-release Caliper Disc Brake |
| Service System        | Full-hydraulic Wet Brake            |
| System Pressure (MPa) | 6.9                                 |

| Hydraulic System              |             |
|-------------------------------|-------------|
| Main Pump Type                | Piston Pump |
| Working System Pressure (MPa) | 24          |
| Raise (s)                     | 5.2         |
| Dump Time (s)                 | 0.9         |
| Float Down Time (s)           | 4.0         |
| Fastest Total Cycle Time (s)  | 10.1        |

| Performance Specifications                                 |          |
|------------------------------------------------------------|----------|
| Operating Weight (kg)                                      | 26690    |
| Rated Load (kg)                                            | 7000     |
| Reference Bucket (m³)                                      | 3.5 -7.0 |
| Max Bucket Breakout Force (kN)                             | 195      |
| Maximum Unloading Height H2 (-45° unloading angle)         | 3200     |
| Corresponding Unloading Distance L3 (-45° unloading angle) | 1315     |

| Tires     |                 |
|-----------|-----------------|
| Tire Size | 26.5-25-28PR-L3 |

| Dimensions                                         |      |
|----------------------------------------------------|------|
| Overall Length L1                                  | 9250 |
| Overall Width (outside of the wheel) W1            | 3115 |
| Overall Height H1                                  | 3620 |
| Wheel Base L2                                      | 3550 |
| Bucket Width W2                                    | 3490 |
| Minimum Ground Clearance H3                        | 506  |
| Horizontal Clearance Radius R1 (outside of bucket) | 7480 |
| Minimum Turning Radius R2 (outside of rear wheel)  | 6375 |

| Service Capacity       |         |
|------------------------|---------|
| Fuel Tank (L)          | 380     |
| Engine Oil (L)         | 20      |
| Cooling System (L)     | 55      |
| Hydraulic System (L)   | 230     |
| Transmission (L)       | 55      |
| Axles (Front/Rear) (L) | 61 / 51 |

| Steering               |              |
|------------------------|--------------|
| Type                   | Load sensing |
| System Pressure (MPa)  | 21           |
| Articulation Angle (°) | 38           |

## Configuration

### Engine

- Weichai WP10G270E341
- 199kW, China Stage III
- Three-stage Fuel Filtration System
- Engine Direct-drive Cooling Fan
- Engine Belt Guard
- Cyclonic Pre-filter
- Back-blow Air Cleaner (OPT)
- Donaldson Air Cleaner (OPT)

### TRANSMISSION SYSTEM

- HTE220B Countershaft Automaticshift
- SDLG Wet Axle

### HYDRAULIC SYSTEM

- Electronically Controlled Variable Displacement Hydraulic System
- Load-sensing Steering System
- Single Lever with FNR
- 3-Spool Valve
- 3rd Auxiliary Hydraulic Pipeline
- Metric Quick-connect Coupling
- Boom Lift Limit
- Bucket Auto-leveling
- Standard Emergency Steering
- Standard Boom Burst Valve
- Standard Travel Stability Module
- Hydraulic Lines with 24° Cone Seal Connection

### BRAKE SYSTEM

- Fully Hydraulic Wet Brake (Service)
- Pressure-release Caliper Disc (Parking)

### Tire

- 26.5R25-2STTL-L-3 (Desert Tread Pattern)

### FRAME

- Box-type Front & Rear Frame

### WORKING DEVICE

- STD Boom
- Quick Couple
- 4.5m³ Q.C Bucket (wear plate)
- Boom Support Module
- Centralized Routing of Lubrication Points
- Centralized Lubrication System

### CAB & INTERIOR

- H-series ROPS CAB
- Air Suspension Seat (with 3-inch safety belt , heating function and seat cover)
- Heating and Cooling Air Conditioner
- Adjustable Arm Pillow
- Adjustable Steering Column
- Radio
- Cigarette Lighter
- Cab Interior LED Overhead Light
- LCD Display
- Three-point Contact Armrest
- Reverse Alarm (white noise)
- Standard 270° Camera (3-screen display)
- Engine OBD Diagnostic Port
- 12V Power Interface for Weighing System
- Intercom Interface with 12V Power Cable
- Sun Visor
- Noise Labels Provided in Both Engine Compartment and Cab
- Reserved Wiring Harness and Mounting Bracket for Intercom Antenna
- Fire Extinguisher Brackets (1kg inside cab, 2×9kg outside cab)

### COVER PARTS

- Wheel Chock
- Orange Handrails
- Nylon Steering Articulation Limit Block
- H-Series Smooth Counterweight
- Left, Right and Rear Entry Steps
- Full-enclosure Fenders ( Rear fenders equipped with mud flaps)

### ELECTRICAL SYSTEM

- Australia Regional Certified GPS
- Foldable Rotating Beacon
- Front Combination Lamps with Protective Grilles
- CAB Working LED Lights (Front 2 ,Rear 2)
- Engine Hood LED Light
- Emergency Stop Buttons
- External Isolator Switch

### OTHERS

- Large-area Radiator
- coolant Level Inspection Port for Radiator
- Automatic Fire Suppression System(OPT)
- 380L Fuel Tank (Fuel tank cap connect- ed to the filler neck with a chain)

\* SDLG reserves the right to change specifications and materials at any time without prior notification. Features of the machine in photos may include additional equipment.If you need more information and available options, please contact your local distributor or SDLG.