



QUALITY CHANGES THE WORLD

Huzhou Sany Loader Co., Ltd

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Web:<http://www.sanyglobal.com>

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.
See your local dealer for available options please.



Reliable, High-productivity & Smart

Rated power: 210 kW @2200 rpm | Operating weight: 25500kg | Rated payload: 7,500 kg
Bucket capacity: 4.5 (4.5-7.0) m³

SW978K1 Pro

Wheel Loader



Highlights

Engineered for greater productivity & reliability, better fuel efficiency & more comfortable operating experience, the SW978K1Pro is built of stronger frame, leading hydraulic & braking technology.

More powerful

Automatic transmission

Constant power hydraulic system

Wet disc braking system

Pilot control, FNR function

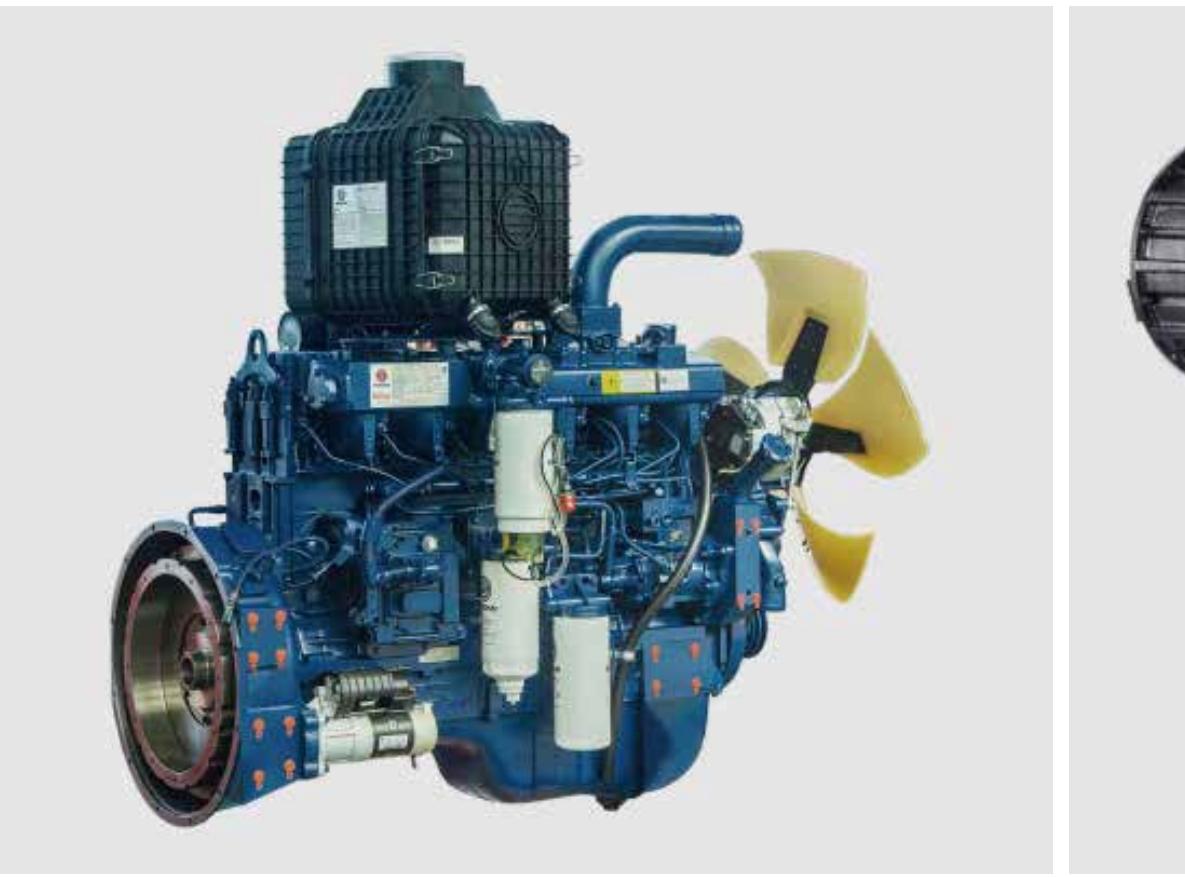
Intelligent Management

Rear camera

Digital weighting system(optional)



Engine and Transmission



■ The Weichai WP10 engine tailored for SANY has large displacement, power and driving force. The engine has a large market share, sufficient accessories, economical prices, and easy purchase.



■ Tailor-made and developed for SANY, a large-capacity 7.5-ton fully automatic gearbox matched with a high-power engine. The vehicle speed increased by 5%, the traction force increased to 205kN, and the overall operating efficiency increased by more than 10%.

Axles and Drive Shaft



Wet Brake Drive Axle

- Reinforced front axle with stronger bearing capacity
- Wet braking is safe and reliable
- Maintenance-free brake
- Box structure axle housing



Drive Shaft

- 8.5C heavy-duty flange
- High torsion strength

Frame and Tires



Mine type Heavy-duty Frame

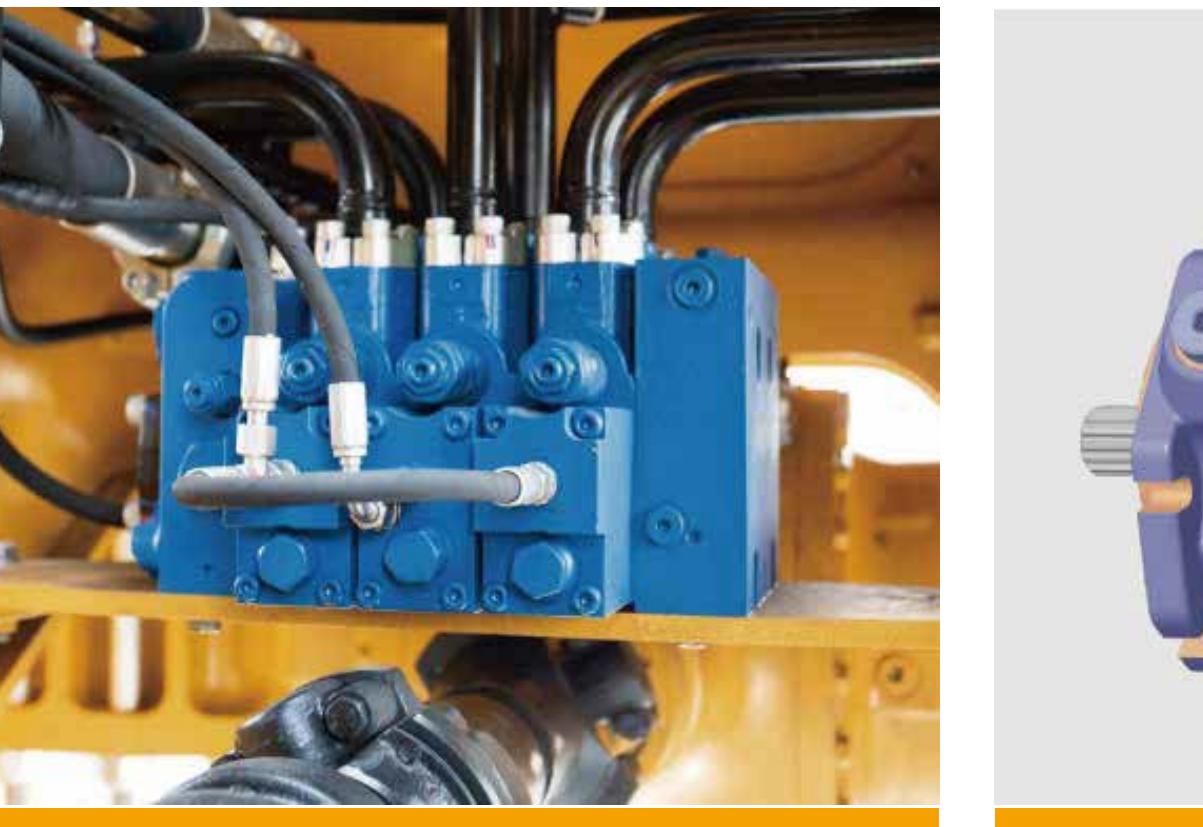
- Heavy-duty frame structure design, large-span articulation, double tapered roller bearings, thickened steel plate with stronger load-bearing capacity
- After professional finite element stress analysis and rigorous reliability testing, the safety factor of the front and rear frames is more than 2 times



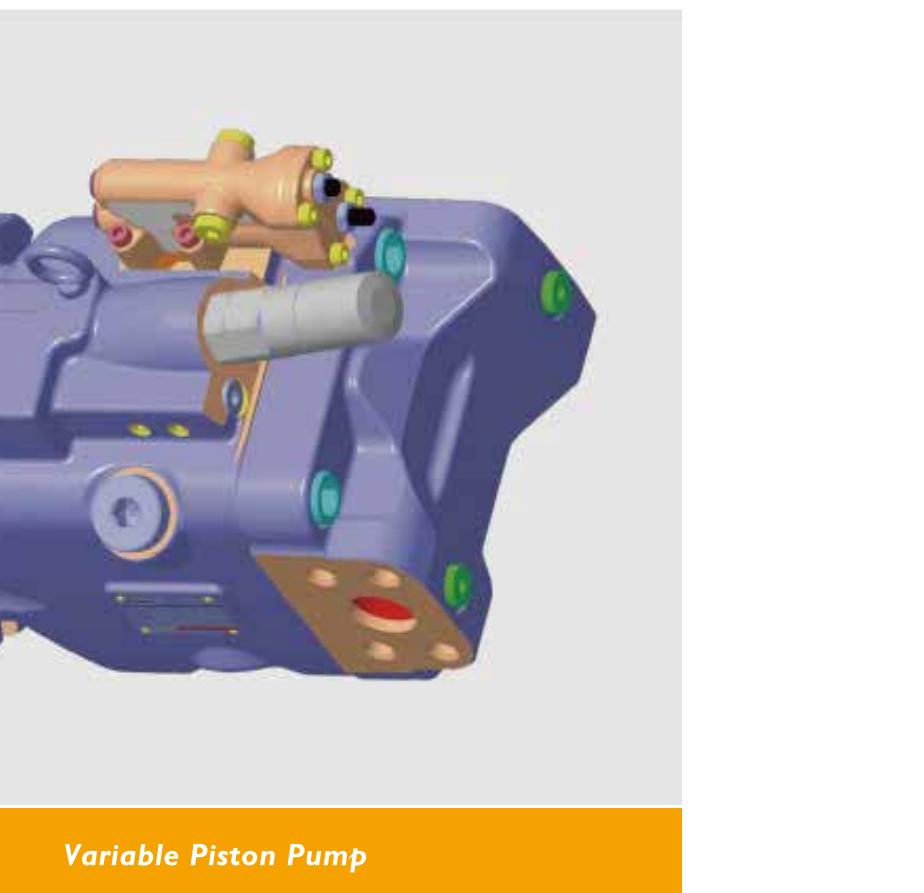
Wide Base Radial Tires

- Wide-base radial tires increase the ground contact area and adhesion, and the shoveling efficiency is high
- Wide tires, large tire spacing, stable driving speed and high operating efficiency
- Standard 26.5-25 tires

Constant Power Load Sensitive Variable Flow System



Large Flow Main Valve



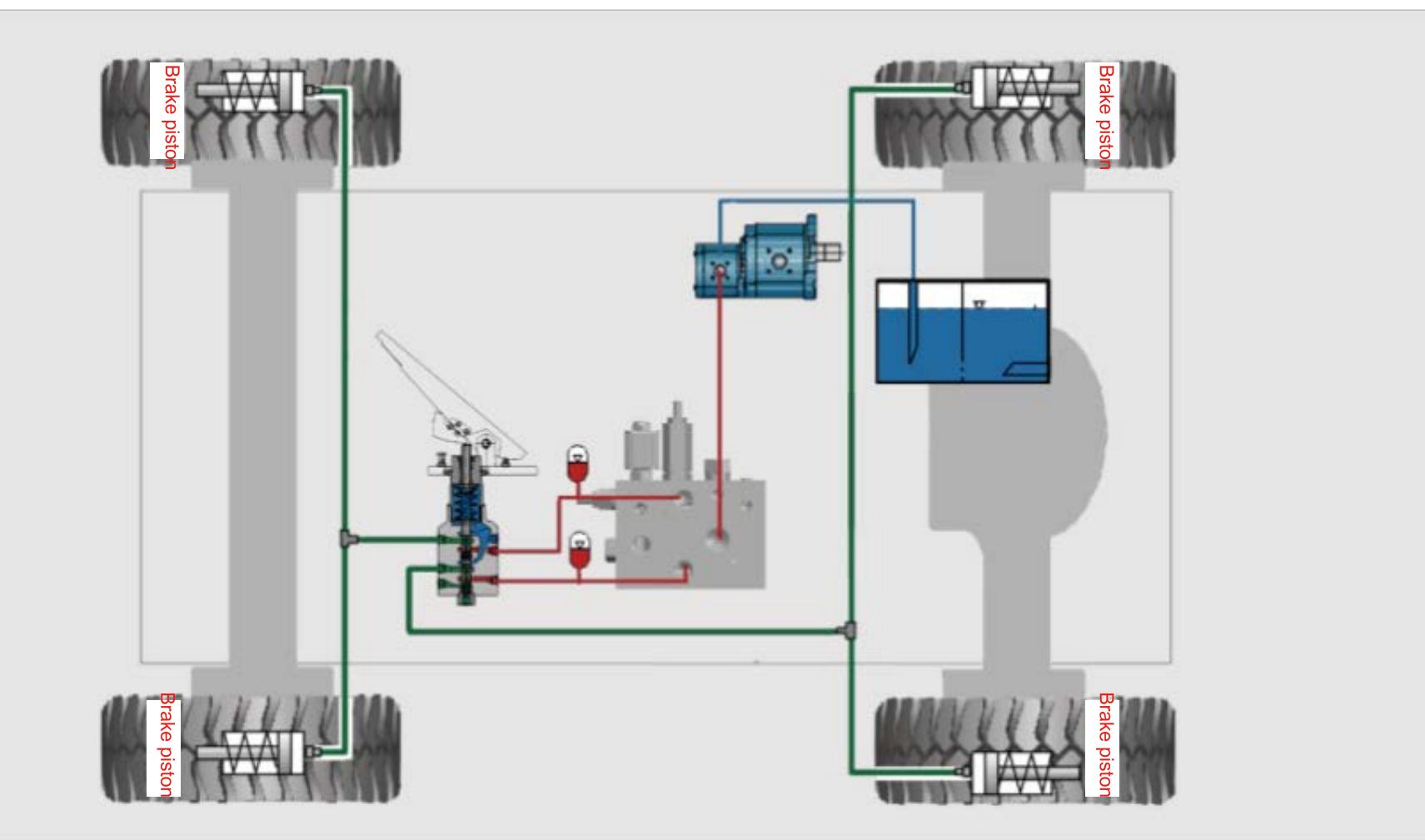
Variable Piston Pump

- Flow distribution on demand
- Using constant power control and pressure cut-off technology, which can withstand heavy loads

- The power of the hydraulic system is constant to maintain sufficient power
- Shoveling conditions, the hydraulic system has high pressure and small flow, reducing power loss by 95%, realizing high efficiency and energy saving

Full Hydraulic Wet Brake System

- Full hydraulic braking is more sensitive, safe and reliable, and the brake components have a long life
- Wet multi-disc brake, maintenance-free

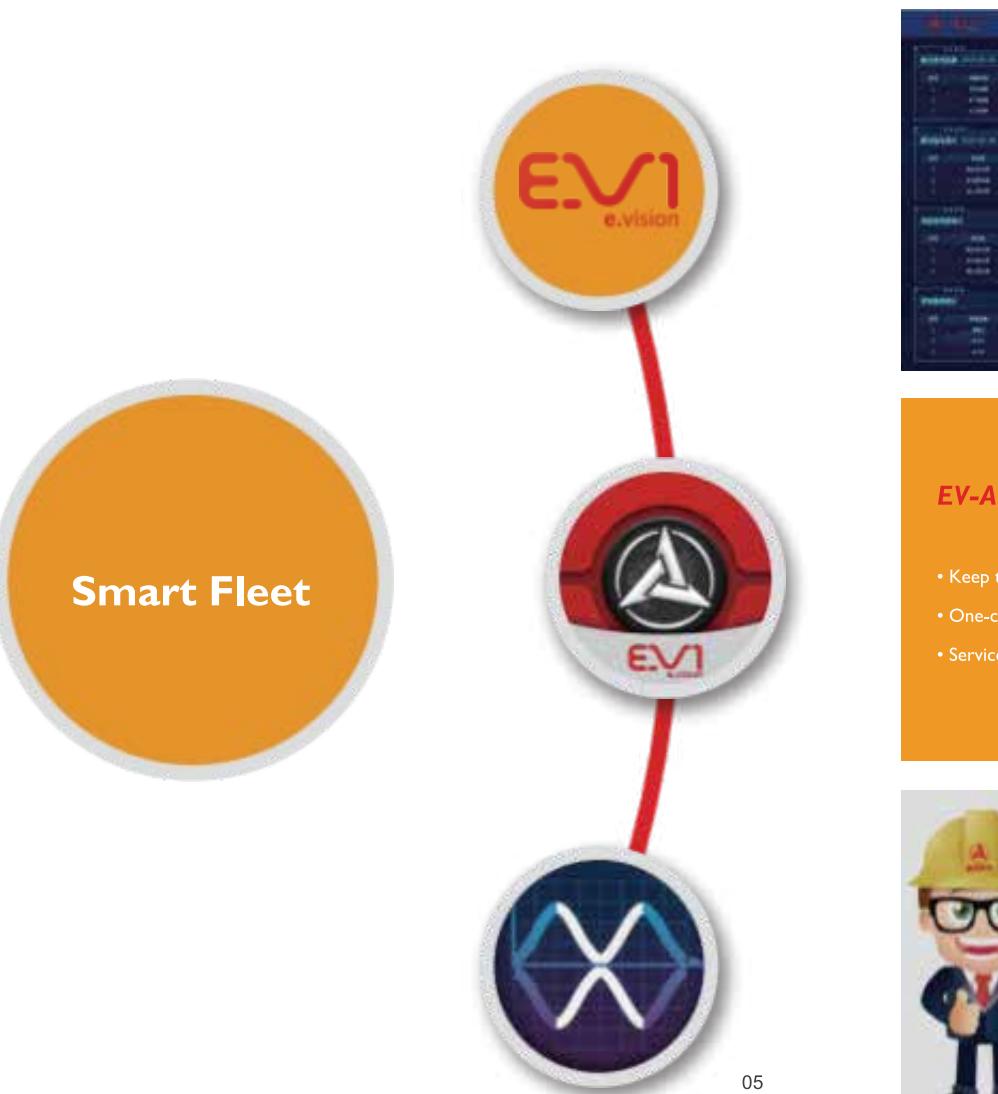




Electrical control Shift, Joystick, Dispaly & Rear Camera



Easy Service



Easy Operation





More options

Booms

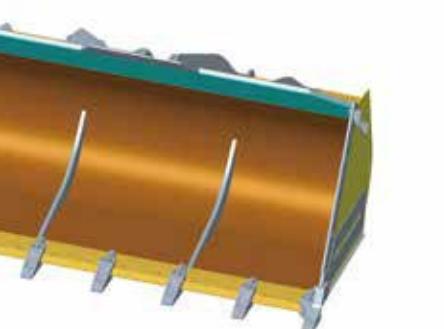
Dump clearance of 3.1m, 3.4m are optional.

| Specifications | Optional boom | | | Standard boom | | |
|------------------------|---------------|------|------|---------------|------|------|
| Bucket Capacity (m³) | 4.5 | 5.0 | 7.0 | 4.5 | 5.0 | 7.0 |
| Dump clearance (mm) | 3220 | 3155 | 3050 | 3490 | 3430 | 3320 |
| Operating weight (ton) | 24.6 | 24.7 | 25.4 | 24.7 | 24.8 | 25.5 |

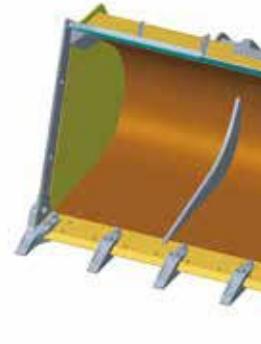
*Detailed configuration is subject to the product sold

Attachments

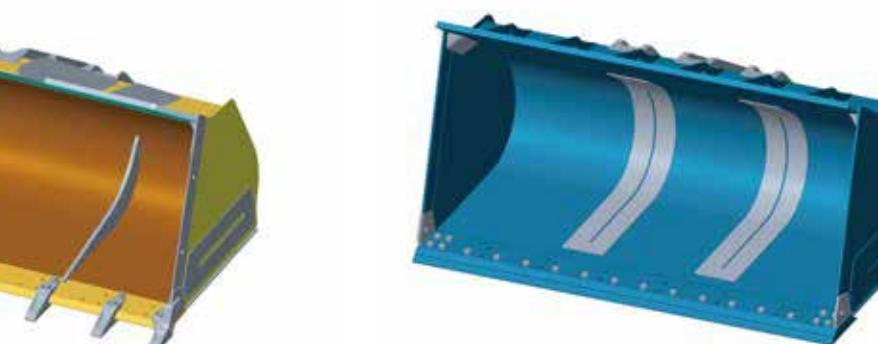
4.5m³ (Bucket bolt-on teeth)



5.0m³ (Bucket bolt-on teeth)



7.0m³ (Enlarged bucket)





Easy Maintenance



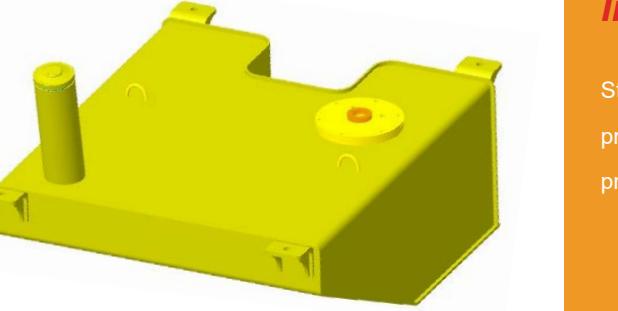
Centralized Filling Port

The centralized arrangement of grease filling ports improves convenience and makes maintenance more convenient



Side Opening Hood

Easy to check and replace the oil and filter element, fuel filter element, air filter element body and its supporting parts



Iron fuel tank

Strong impact resistance, high pressure resistance, easy to process and repair



Single Layer Radiator

The single-layer structure is convenient for daily cleaning and maintenance

Equipment

● Standard ○ Optional

| Power System | Cab | Cab | Alarm | Monitor |
|-------------------------------------------------------|----------------------------------------|-----------------------|-----------------------------------------------------|-------------------------------|
| Electrical, CN stage III engine | ● Soundproof steel structure cab | ● Seat belt | ● High water temperature | ● Electronic weighing display |
| Generator | ● Light-colored tempered glass windows | ● Fire extinguisher | ● High oil temperature | ● Rear view video display |
| 93#Desert air filter machinery alarm | ● Silicone rubber shock absorber | ● Drinking cup holder | ● Low oil pressure | ● Fuel level display |
| Centrifugal pre-filter | ● Sliding window | ● Dome light | ● Battery undervoltage | ● EVI mobile APP |
| Oil filter | ● Wiper | ● Cigarette lighter | ● Fuel oil shortage | ● Function setting |
| Fuel Filter | ● Arm support device | ● Escape hammer | ● High hydraulic oil temperature | ● Accident details |
| Electronic grille intake heating | ● Adjustable suspension seat | ● Storage box | ● High water content in oil/water separator | ● System settings |
| Fuel dewatering,heating and pumping integrated device | ● Radio | ● Grocery bag | ● Preheat fault | ● Maintenance information |
| Oil water cooler | ● Floor mat | ● Air conditioning | ● Low brake pressure | ● System message |
| Plate-fin radiator | ● Speaker | ● Sunshade | ● Fuse short circuit | ● Password setting |
| Electric Fuel sensor | ● rearview mirror | ● | Electronic component short circuit and open circuit | ● |
| Oil-bath air pre-filter | ○ | | | |

| Transmission System | Hydraulic System | Structure | Others |
|--------------------------------------------|-----------------------------------------------|----------------------------------------------------------|--------------------------------------------|
| Automatic power shift | ● Variable system | ● Large-articulation centrally arranged reinforced frame | ● Battery (2*12V*120Ah) |
| 7-ton wet reinforced drive axle | ● Full hydraulic brake | ● Tapered roller supporting hinged structure | ● Lockable back-turning hood |
| Reinforced drive shaft | ● Constant power and pressure cut-off control | ● Implement device (3.4m dumping clearance) | ● Portable fuel oil filling cover |
| Automatic and manual dual mode KD function | ● Joystick | ● 5m ³ reinforced bucket for gravels | ● Anti-slip pedals, handrails and walkways |
| FNR | ● Flow amplification steering system | ● Deflector on the top of the bucket | ● Tool kit |
| Four-wheel wet multi-disc service brake | ● High-position closed hydraulic oil tank | ● Bolt-on teeth | ● |
| Swing structure rear drive axle | ● High pressure resistant cylinder | ● Curved side cutting edges of bucket | ● |
| 26.5-25 bias tires | ● | | |

Specifications &

Configuration

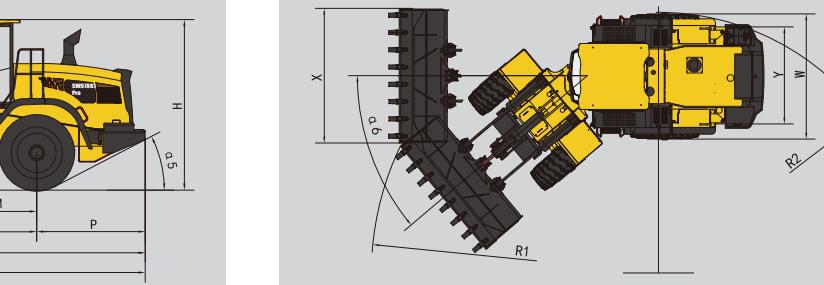
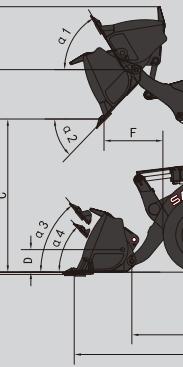
Specifications & Dimensions

| Engine | | Transmission | |
|-----------------------------------------|---------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| Manufacturer | Weichai | Torque Converter & Transmission | Fully Automatic Electric Control Fixed Shafts Transmission |
| Model | WP10G286E30I | Speed | I (Front / Rear) >6.5 km/h |
| Type | 6-Cylinder Inline, Air-to-Air Cold, 4-Stroke, EFI | | II (Front / Rear) ≥13.5 km/h |
| Rated power / Speed | 210 kW / 2200 RPM | | III (Front / Rear) ≥27km/h |
| Cylinder Number * Bore * Stroke | 6*126mm*130mm | | IV (Front) ≥40 km/h |
| Max. Torque | 1185 Nm | | |
| Hydraulic System | | Steering System | |
| Variable System, Double Pump Confluence | | Articulated, Load-sensitive, Flow-amplified Steering System | |
| Main Pump | Variable Piston Pump | Steering Pump | Variable Piston Pump |
| Hydraulic Cycle Time | ≤9.2s | Articulation Angle | ±38° |
| Axles and Tires | | Brake System | |
| Style | Wet Heavy-duty Swing Axle | Service Brake | Four-wheel wet multi-disc brake System |
| Specification | 26.5 R25 | Parking Brake | Electric Controlled Full Hydraulic Caliper Disc Brake System |
| Air Pressure | Front / Rear : 0.63 MPa / 0.53 MPa | | |
| Accessories | | | |
| Fuel Tank | 330L | Hydraulic Oil | 220L |
| Cooling System | 45L | Oil in The Front Axle | 48L |
| Gear Oil | 38L | Oil in The Rear Axle | 48L |

| SW978K1Pro Standard Boom | | |
|--------------------------|------|-------|
| Forward Speed | km/h | 0~40 |
| Backward Speed | km/h | 0~27 |
| Total cycling time | s | ≤9.2 |
| Breakout Force | kN | 210 |
| Max. traction force | kN | 205 |
| E. Digging depth | mm | 130 |
| Bucket Capacity | m³ | 4.5 |
| Operation Weight | kg | 25500 |
| Rated Load | kg | 7500 |

| SW978K1Pro Standard Boom | | |
|-----------------------------------------------------|--|------|
| A.Overall height with bucket at Maximum lift mm | | 6100 |
| B.Hinge pin height (fully raised) mm | | 4800 |
| C.Dump clearance (at 45°-fully raised) mm | | 3440 |
| D.Hinge pin height (at carry position) mm | | 570 |
| E.Dump reach (at 45°-fully raised) mm | | 1280 |
| H.Overall height mm | | 3490 |
| K.Ground clearance mm | | 385 |
| L.Overall length (bucket on ground) mm | | 9560 |
| M.Length from centerline to rear axle mm | | 1775 |
| N.Wheel base mm | | 3550 |
| P.Center line rear axle to edge of counterweight mm | | 2383 |

| SW978K1Pro Standard Boom | | |
|---------------------------------------------------------------|----|------|
| Q Length from bucket hinge shaft to edge of counter weight mm | mm | 7983 |
| a1 Roll back angle (boom fully raised) ° | | 60 |
| a2 Max.dump angle(fully raised) ° | | 45 |
| a3 Roll back angle (at carry position) ° | | 51 |
| a4 Roll back angle (at ground level) ° | | 45 |
| a5 Departure angle ° | | 25 |
| a6 Articulation angle ° | | ±40 |
| W Width over tires mm | mm | 3000 |
| X Bucket width mm | mm | 3420 |
| Y Tread mm | mm | 2300 |
| R1 Turning radius to outside of bucket mm | mm | 7335 |
| R2 Turning radius to outside of tires mm | mm | 6525 |





Service Outlets/Spare Parts Warehouse

Service Network in China

Service Hotline 4008 28 2318

Complaints Hotline 4008 87 9318

Spare Parts Warehouse

535 spare parts warehouses

Over 10,000 kinds of spare parts

500 Million- RMB

Spare parts stock amounting to 500 Million- RMB

Service Outlets

600

Service outlets

2000

2,000 service engineers overseas

