



QUALITY CHANGES THE WORLD

Huzhou Sany Loader Co., Ltd

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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

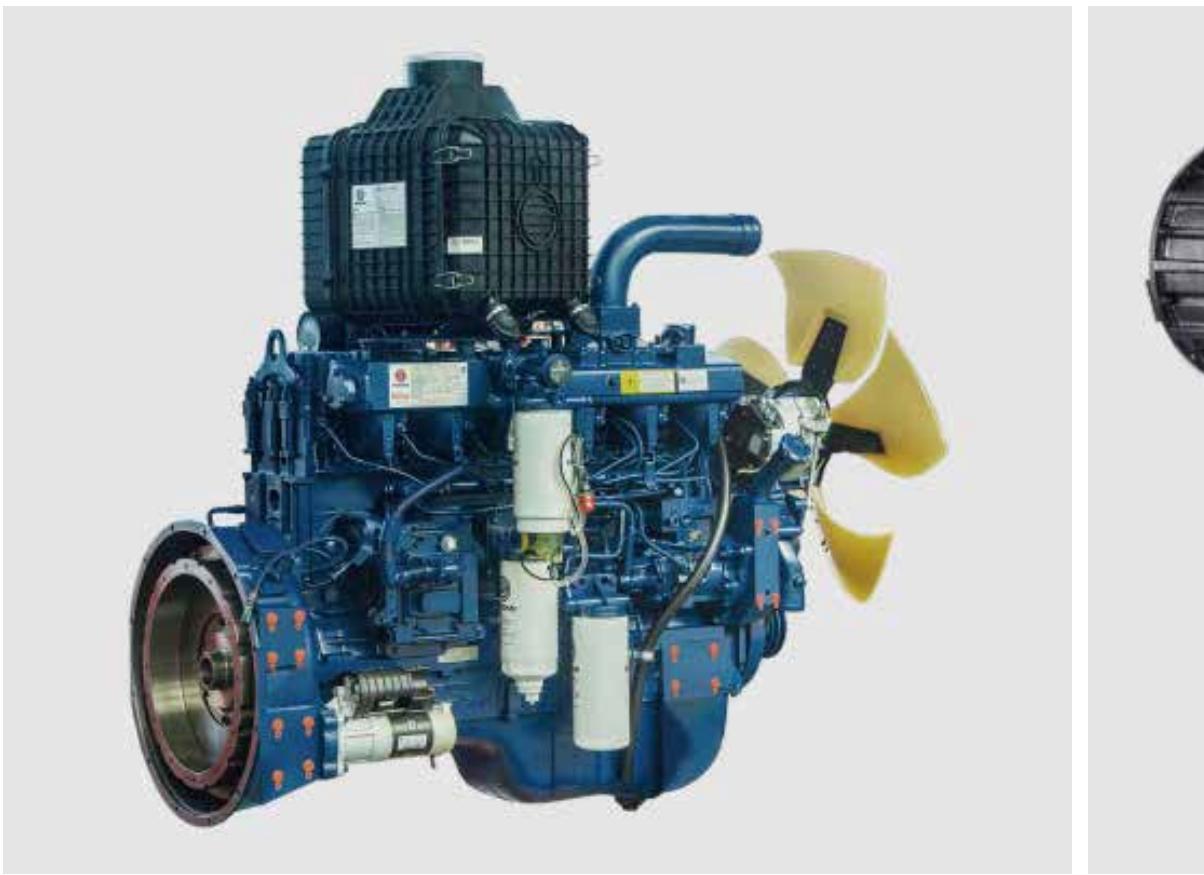
Intelligent Management

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.



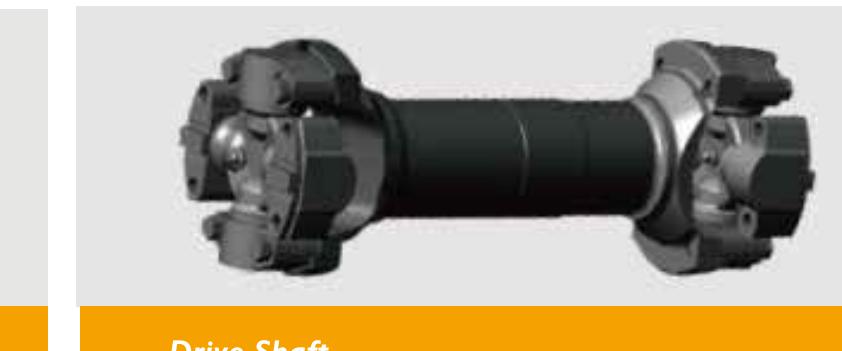
■ Tailor-made and developed for SANY, a large-capacity 7.5-ton fully automatic gearbox matched with a high-power engine. The vehicle speed increased by 5%, the traction force increased to 205kN, and the overall operating efficiency increased by more than 10%.

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 large
- 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

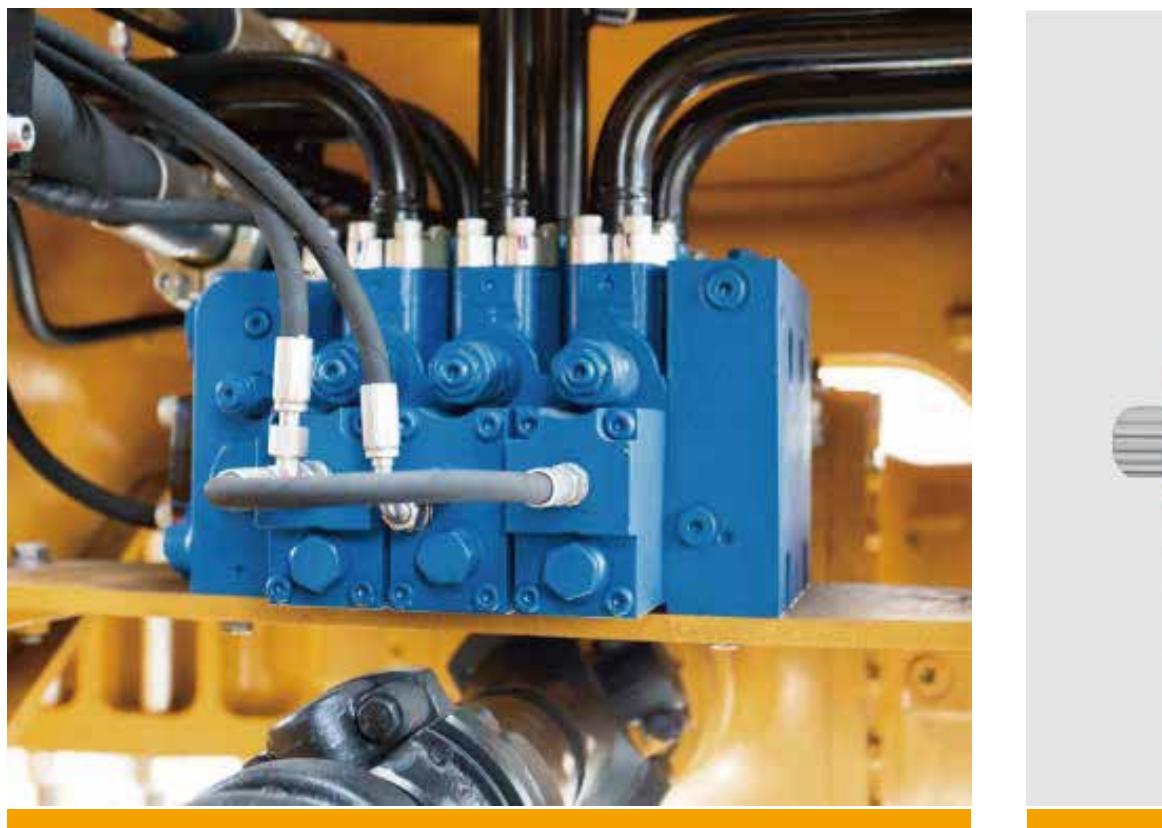


Wide Base Radial Tires

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

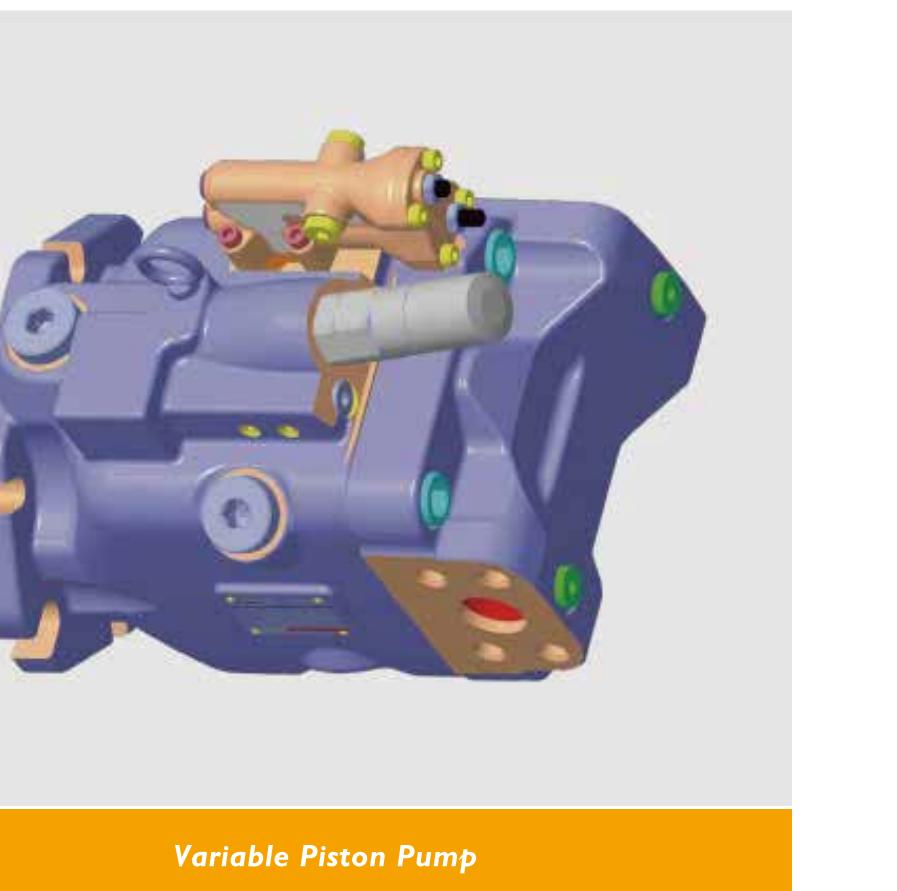
Standard 2.65-25 tires

Constant Power Load Sensitive Variable Flow System



Large Flow Main Valve

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

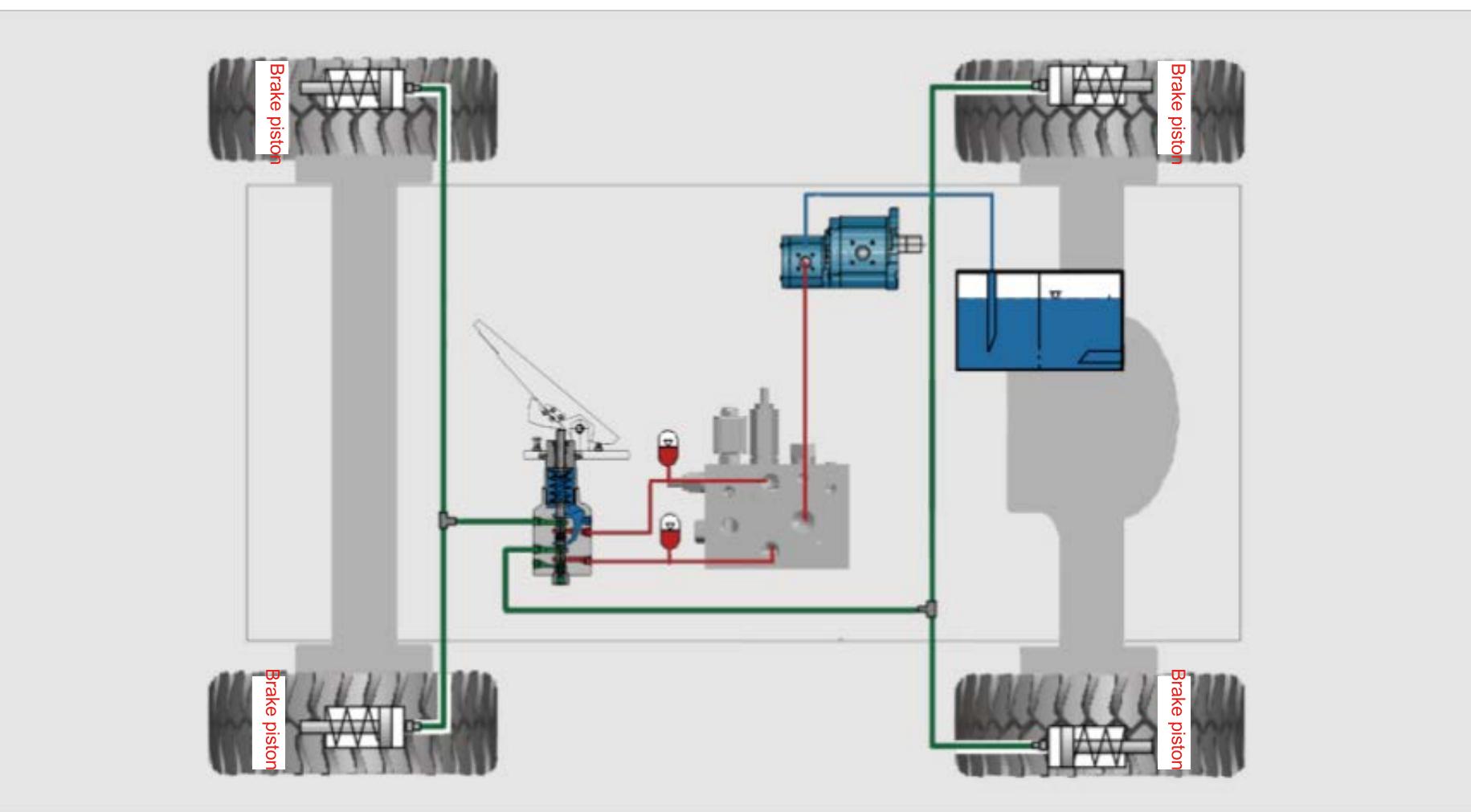


Variable Piston Pump

- 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



Newly upgraded cab

- Large space: comfortable driving environment, enhance the driver's driving experience
- Ultra-low noise: the noise value is not higher than 75dB (A), which effectively protects the driver's physical strength and reduces fatigue
- Large field of view: the panoramic front window and the reversing monitor can improve the efficiency of the driver's work and avoid the occurrence of safety accidents
- Humanized design: The seat and each control mechanism are designed according to ergonomics, so that they are in the best operating position



Electrical control Shift, Joystick, Dispaly & Rear Camera



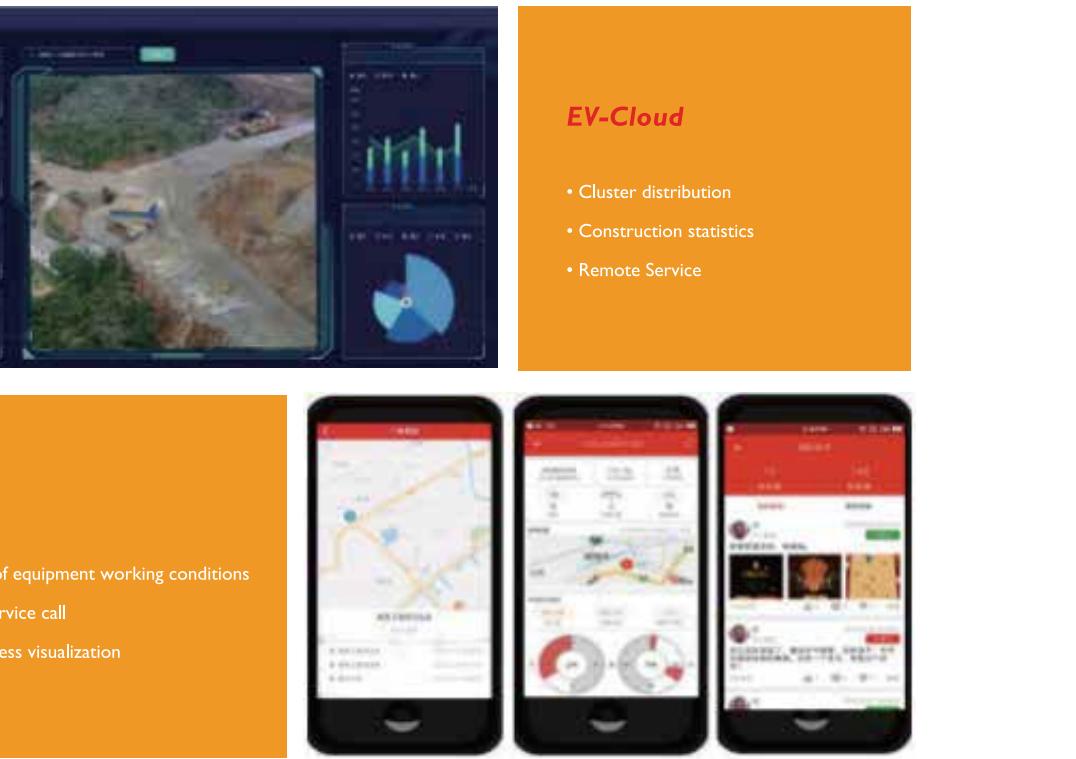
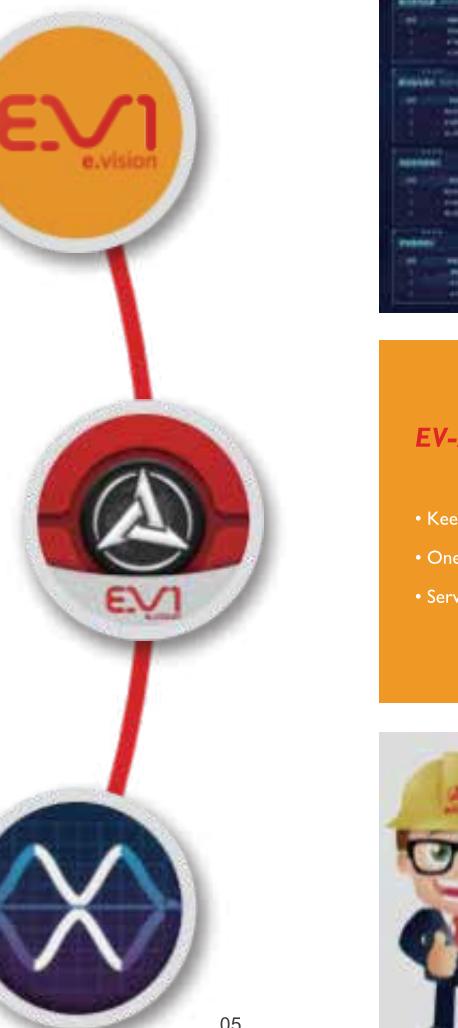
- Electronically controlled shift, much more smoother and no impact
- Pilot single handle, integrated FNR function for more convenient operation



- Display and control integrated screen, which can display various data on time, so that the driver can monitor the status of the machine
- Reversing video monitor, easy to check the rear situation to ensure safety

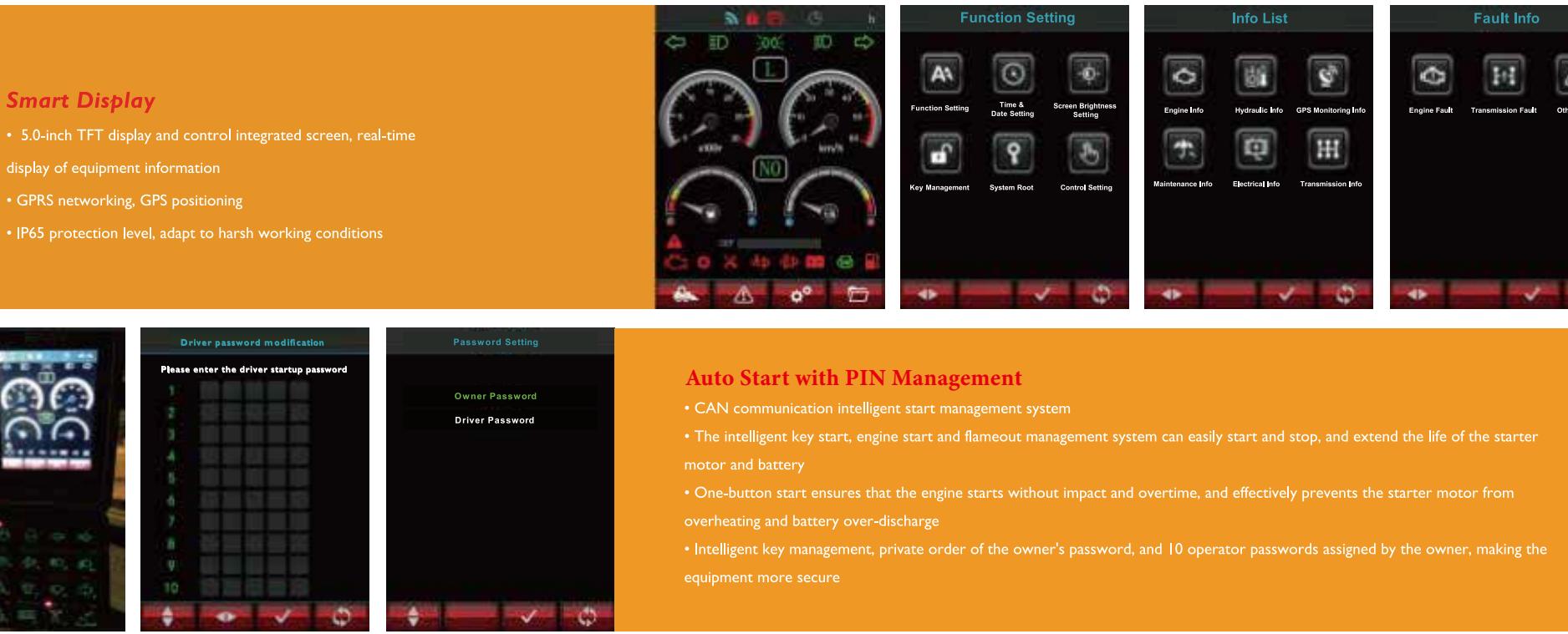
Easy Service

Smart Fleet



Easy Operation

Intelligent power management





More options

Booms

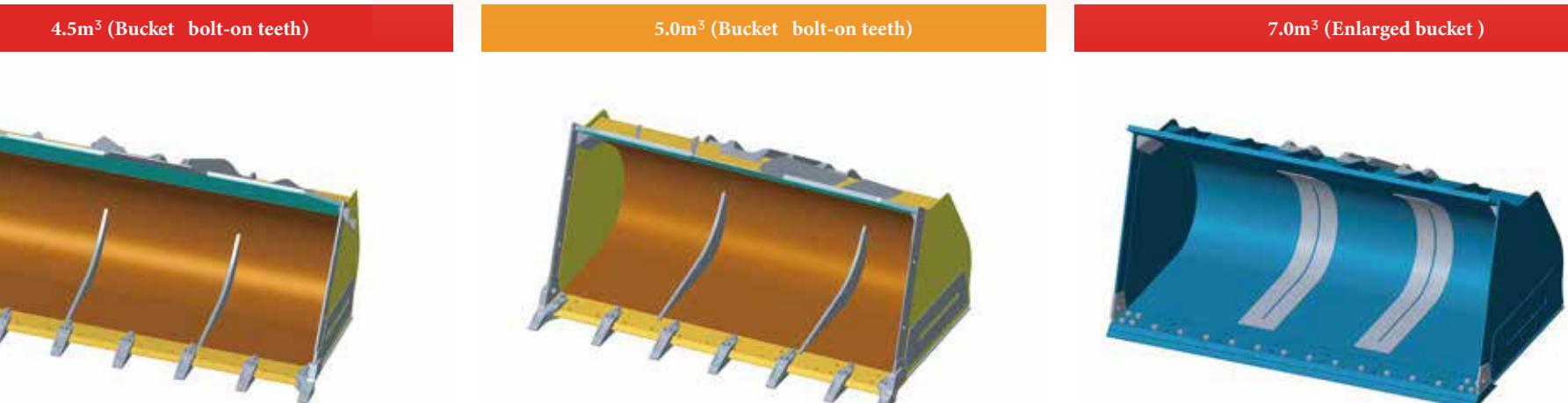
Dump clearance of 3.1m, 3.4m are optional.

Specifications	Optional boom			Standard boom		
Bucket Capacity (m ³)	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 (Large bucket)



Easy Maintenance



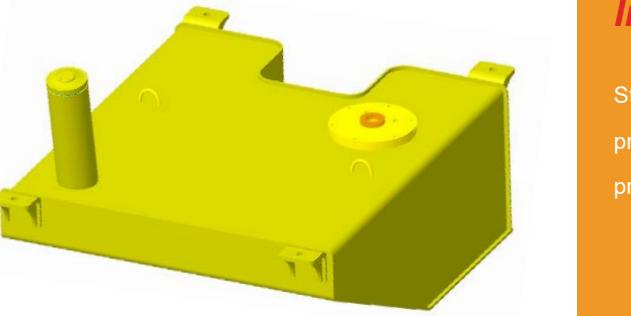
Centralized Filling Port

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	● Electronic AWP
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*10.0Ah)
7-ton wet reinforced drive axle	● Full hydraulic brake	● Tapered roller supporting hinged structure	● Lockable back-tilting 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, insulation 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

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			SW978K1Pro Standard Boom			SW978K1Pro Standard Boom		
Forward Speed	km/h	0~40	A.Overall height with bucket at Maximum lift mm	6100		Q.Length from bucket hinge shaft to edge of counterweight mm	9783	
Backward Speed	km/h	0~27	B.Hinge pin height (fully raised) mm	4800		a1Rolloback angle (boom fully raised) °	6	
Total cycling time	s	≤9.2	C.Dump clearance (at 45°-fully raised) mm	3440		a2M.axle dump angle (fully raised) °	5	
Breakout Force	kN	210	D.Hinge pin height (at carry position) mm	570		a3Rolloback angle (at carry position) °	1	
Max. traction force	kN	205	E.Digging depth mm	130		a4Rolloback angle (at ground level) °	5	
Bucket Capacity	m ³	4.5	F.Dump reach (at 45°-fully raised) mm	1280		a5Departure angle °	5	
Operation Weight	kg	25500	G.Overall height mm	3490		a6Articulation angle °	40	
Rated Load	kg	7500	H.Ground clearance mm	385		W.Wideth over tires mm	300	
			I.Overall length (bucket on ground) mm	9560		X.Bucket width mm	4320	
			M.Length from centerline to rear axle mm	1775		Y.Tread mm	3200	
			N.Wheel base mm	3550		R1.Turning radius to outside of bucket mm	3735	
			P.Center line rear axle to edge of counterweight mm	2383		R2.Turning radius to outside of tires mm	5625	

Technical diagram illustrating the dimensions and angles for the SW978K1Pro Standard Boom. The diagram shows the boom at an angle α₁ relative to the horizontal. The counterweight is shown at an angle α₂. The boom length is labeled L, and the counterweight height is labeled H. The centerline of the rear axle is at point O. The distance from the rear axle centerline to the edge of the counterweight is labeled P. The distance from the rear axle centerline to the center of the rear wheel is labeled M. The distance from the rear axle centerline to the center of the front wheel is labeled N. The total width of the machine is labeled W. The height of the machine is labeled G. The digging force is labeled F.

Technical diagram illustrating the dimensions and angles for the rear axle and tires of the SW978K1Pro Standard Boom. The diagram shows the rear axle at an angle α₃ relative to the horizontal. The distance from the rear axle centerline to the edge of the counterweight is labeled P. The distance from the rear axle centerline to the center of the rear wheel is labeled M. The distance from the rear axle centerline to the center of the front wheel is labeled N. The total width of the machine is labeled W. The height of the machine is labeled G. The digging force is labeled F. The turning radius to the outside of the rear wheel is labeled R1, and the turning radius to the outside of the front wheel is labeled R2.



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Spare Parts Warehouse

535
535 spare parts warehouses

10,000
Over 10,000 kinds of spare parts

500 Million- RMB
Spare parts stock amounting to 500 Million- RMB

Service Outlets

600
600 Service outlets

2000
2,000 service engineers overseas

