ELSEWEDY ELECTRIC | BUILDING SOLUTIONS

SANY

SANY LOADERS

More Capacity. More Control. Faster Cycles



ENGINEERED AS ONE.

ELSEWEDY ELECTRIC | BUILDING SOLUTIONS

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LOADER RANGE





SYL956H5
WHEEL LOADER

Highlights | Reliability & Durability | Operating Environment | Maintenance | Specifications & Dimensions



SW978K1
WHEEL LOADER

Highlights | Reliability & Durability | Intelligent Management | Maintenance | Specifications & Configuration



SW936K1
WHEEL LOADER

Highlights | Reliability & Durability | Operating Environment | Maintenance | Specifications & Dimensions



Reliable, Fule-efficient & Comfortable

Rated power: 164 kW @2200 rpm | Operating weight: 17,100 kg | Rated payload: 5,000 kg

Bucket capacity: 2.7-4.0 m³

SYL956H5
Wheel Loader


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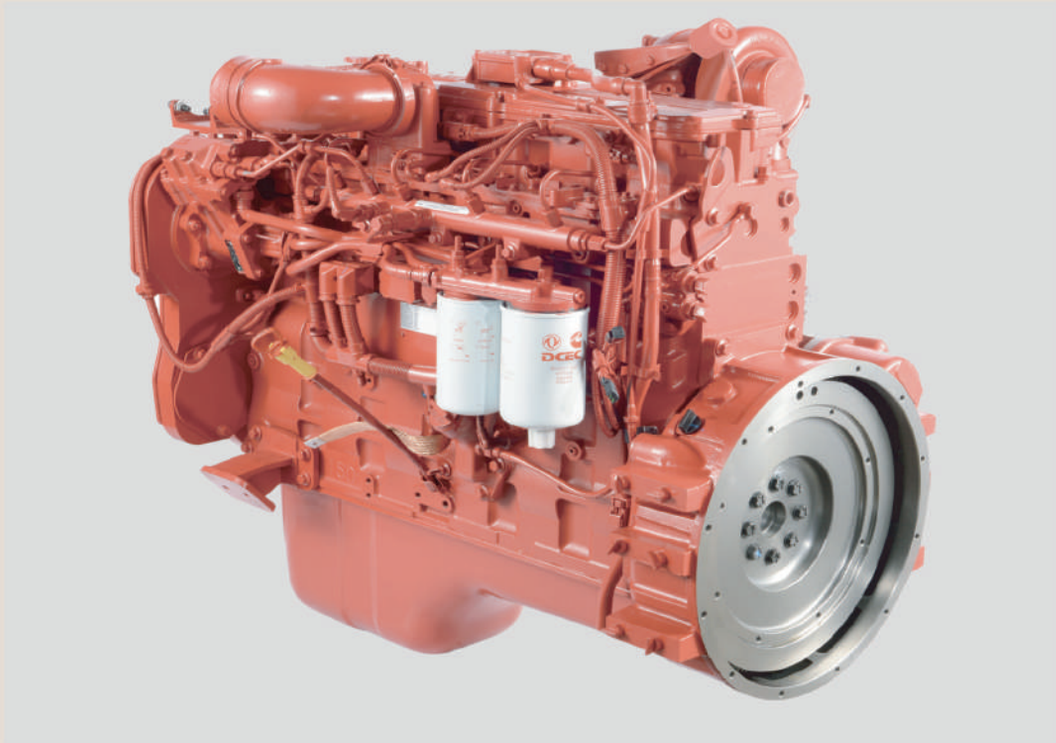
Highlights

Engineered for greater reliability, better fuel efficiency & more comfortable operating experience, the SYL956H5 is built of 6-ton class frame, leading hydraulic & braking technology.

- More powerful engine
- Semi-auto electronically controlled transmission
- Variable displacement hydraulic system
- Full-hydraulic braking system
- Pilot control, finger-tip level
- ROPS & FOPS (Optional)
- Wet brake & Radial tires (Optional)
- Shorter turning radius

Reliability & Durability

Engine and Transmission

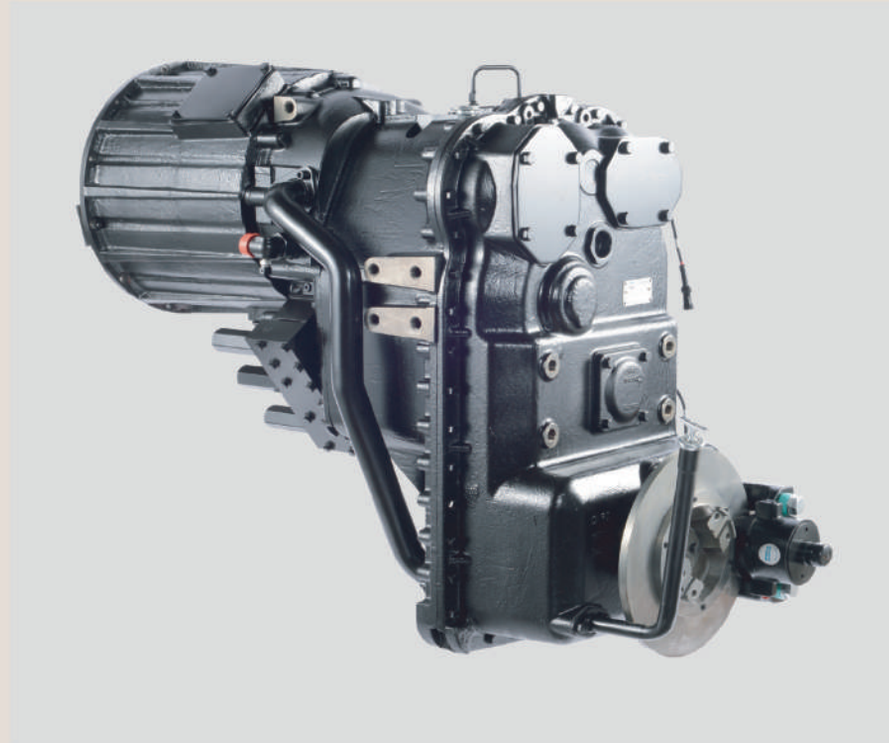


Cummins engine: ***Customized, high-horsepower and high-efficiency engine for SANY with 8.9L displacement***

Multi-point spraying, to ensure fast response of accelerator, efficient power output, better fuel economy and lower noise at different revolving speed.

With exhaust gas bypass type turbocharger, turbocharging would be smoother at low engine speed and power output would be more stable at high engine speed.

Meet China Nonroad stage III emission standards.



DANA SEMI-AUTO electronically-controlled transmission: ***Customized, classical and fixed-axle transmission for SANY Loader***

With excellent controllability, and self-adaptive regulation function, the operating efficiency is improved greatly.

F/R key operation and fingertip operation, free switching of the left/right hand.

With solenoid valve+ logic control, the gear shifting is smoother and the response speed is faster.

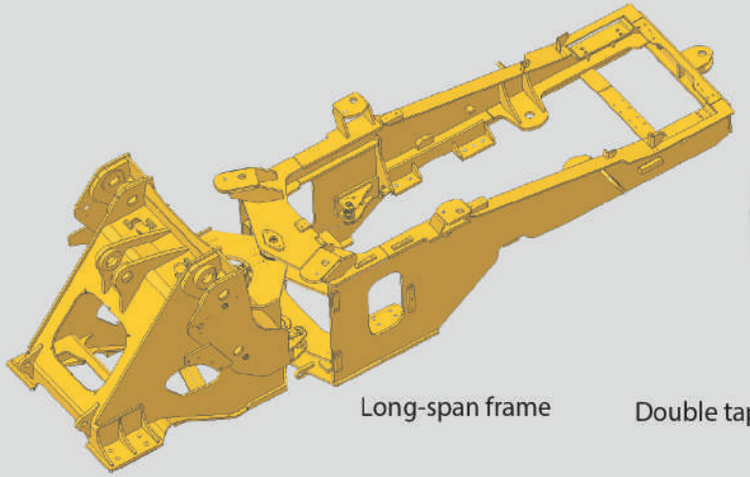
Axles

Heavy-load oscillating axle

Heavy-load oscillating axle load is adopted, with advanced reliability in industry. Overall swing axle structure has better adaption to heavy load condition, and avoids the faults such as crack of subframe and hinge pin of non-oscillating axle.



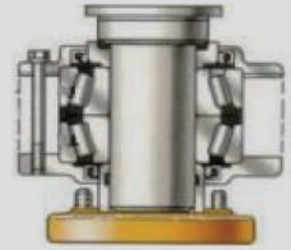
Frame



Long-span frame



Double tapered roller bearing



Heavy-duty hinge

6t platform frame

6t platform frame, both of upper and lower hinges are provided with double tapered roller bearing to ensure high bearing capability.

Long -span hinge structure, ensuring high torsional strength.

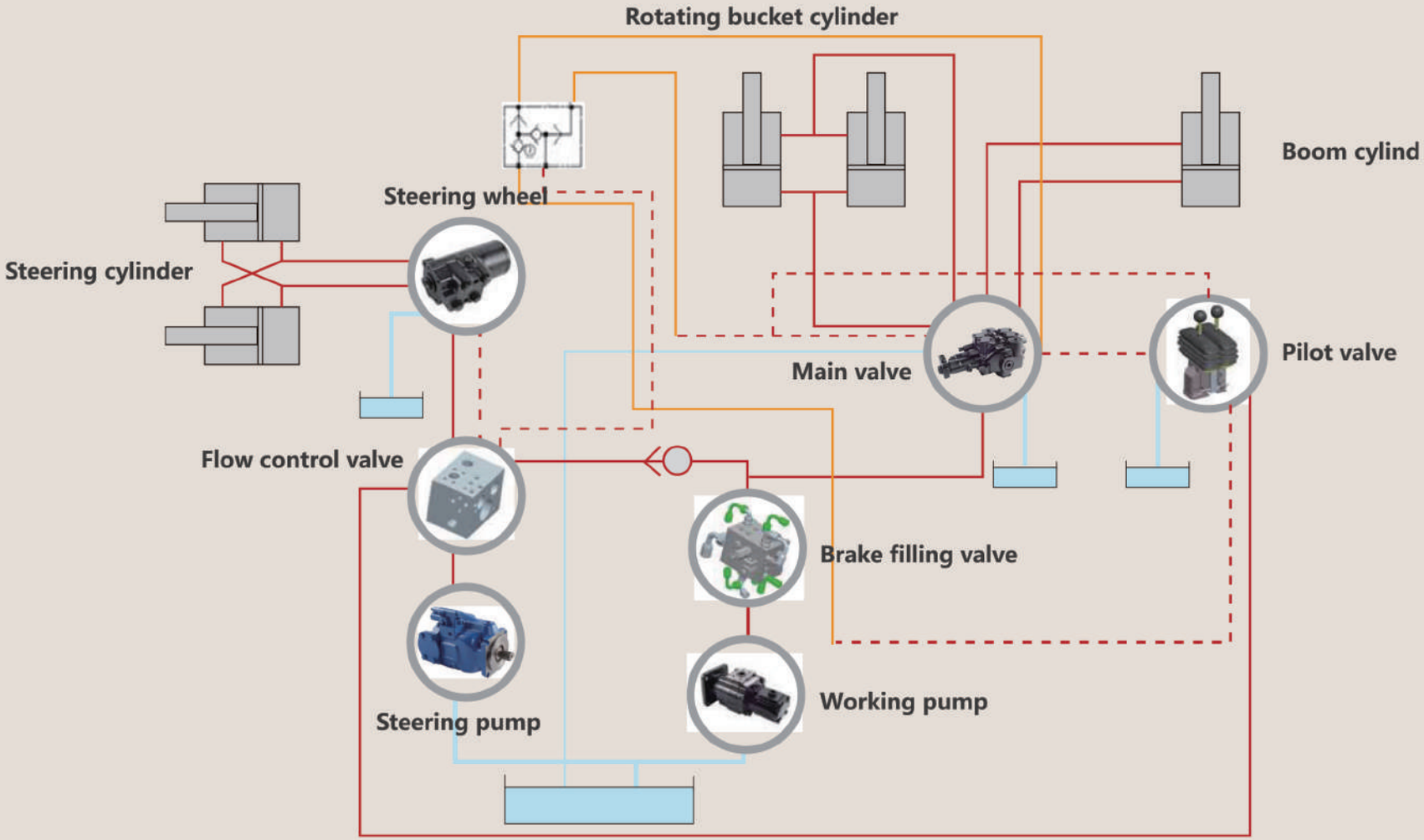
Centered arrangement of hinge.

Reliability and Durability

Hydraulic System

Fixed and variable hydraulic system

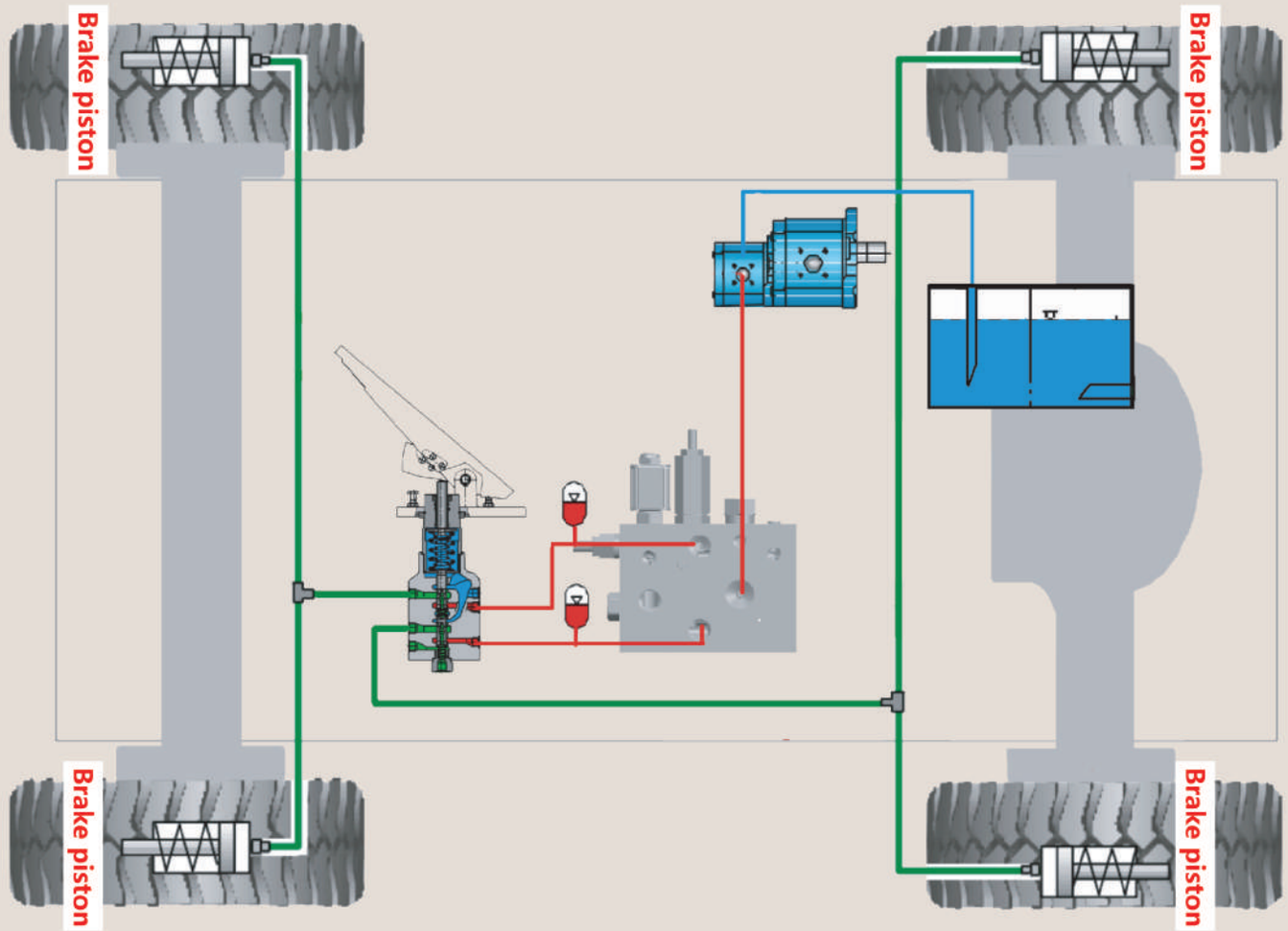
Advanced high-pressure load-sensitive fixed and variable hydraulic system, distribute flow as required, bring the optimal matching between speed and power, improve the operation efficiency , have faster speed and save energy for over 10%.



Braking System

Full hydraulic brake

Flexible and reliable braking, circulating cooling of hydraulic oil, reduce braking failure due to thermal attenuation, and prolong the service life of hydraulic components.





Comfortable environment of cab

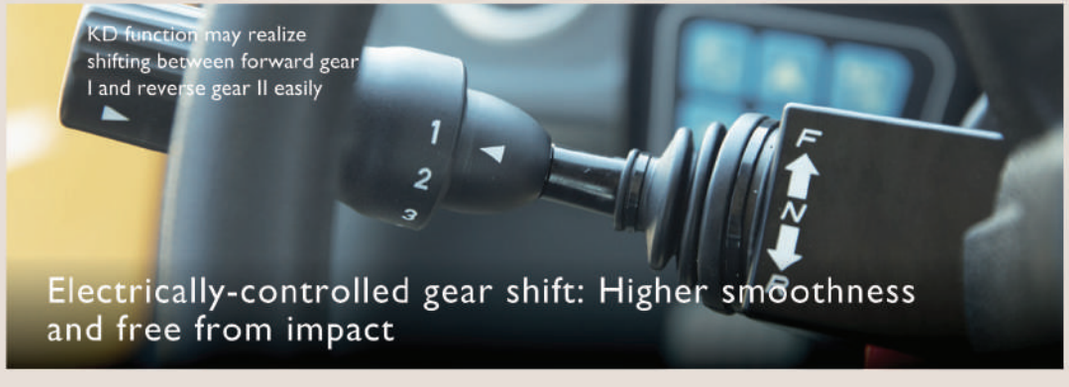
- Ultra-large space
- Ultralow noise: Superior sealing, noise is as lows as 78dB(A)
- Super-large view field: Panorama glass, ensure broader view field
- Comfortable driving experience

Cabin



Model of comfortable driving in industry, comfortable driving environment and operability, better conformity to ergonomics design, reduce fatigue, remove the owner's worries of difficult recruitment of driver, and improve the operation efficiency of driver.








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Easy Maintenance



Brakes

Centralized grease points

The grease fittings are highly concentrated to improve the convenience of maintenance.



Easy Operation



Cleaning and maintenance of radiator

The rear window can be opened for daily cleaning and maintenance of radiator.

Backflip hood

Facilitate the inspection and replacement of engine oil and filter element, fuel filter element, air filter element and matched parts.



Attachments

More options

Booms

SANY SYL956H5 Loader can be fitted with 3 booms with dump clearance of 3.1m, 3.4m and 3.6m.



									Super long boom		
Bucket Capicity (m³)	2.7	3.0	3.2	3.5	3.0	3.2	3.5	4.0			
Dump clearance (mm)	3297	3126	3126	3001	3423	3423	3423	3321	3624	3624	3522
Operating weight (ton)	18.1	17.9	17.9	18.1	18.1	18.1	18.1	17.9	18.1	18.1	18.1

*Detailed configuration is subject to the product sold

Attachments

3.0m³ (bucket, bolt-on teeth)



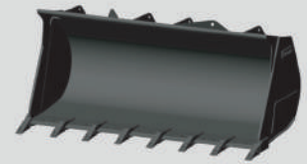
3.0m³ (bucket, weld-on teeth)



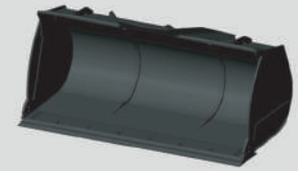
3.2m³ (bucket , cutting edge)



3.5m³ (bucket , weld-on teeth)



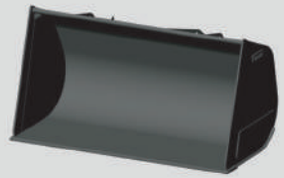
3.5m³ (bucket , cutting edge)



2.7m³ (Rock bucket)



4.0m³(Enlarged bucket)



Side dumping bucket



Pallet Fork



Grapple



Equipment

● Standard Equipment ○ Optional Equipment

Engine

Starting motor	●
Alternator	●
Air filter	●
Dual-core air filter	●
Cylinder engine oil filter	●
Cylinder fuel oil filter	●
Engine oil cooler	●
Radiator with protective screening	●
Auxiliary water tank of radiator	●
Fan deflector	●
Fuel oil level floater	●

Cab

Rops/Fops cab	○
Reinforced light-colored glass window	●
Four silicone oil rubber damper supports	●
Openable right-side window	●
Emergency exit on right door	●
Wiper with washer	●
Adjustable reclining seat with adjustable handrail	●
AM-FM radio with digital clock	●
Mechanical suspension Seat	●
Loudspeaker and rearview mirror	●
Seatbelt and fire extinguisher	●
Cup holder and compartment lamp	●
Ashtray and emergency hammer	●
Storage box and sundries bag	●
Dual-purpose air conditioner	●
Sun shade	●
Warning beacon	○

Hydraulic system

Piolt Control	●
Control valve with main overflow valve	●
Control valve with spare oil port	●
Oil suction filter	●

Return oil filter	●
Piolt filter	●
Hydraulic oil lever floater	●

Implement system

Flange pin	●
Welded connecting rod	●
Lubrication system	●
All bucket pins equipped with dustproof seal ring	●
Reinforced plate-type boom	●
Reinforced plate-type rocker boom	●
Standard bucket 3.0m³ with teeth	●

Drivetrain

Intermediate support of heavy-duty drive shaft	●
K/Dshifting lever	●
Fixed-axis transmission	●
Full-hydraulic service brake	●
Rear axle of oscillating structure	●
Electro-hydraulic shifting solenoid valve	●
Wet brake axles & L3 tubeless tire	○
L5 tire	○

Alarm display

Low engine oil pressure and overheating of motor cooling fluid	●
Battery undervoltage	●
Fuel oil shortage	●
High oil temperature of gearbox	●

Instrument of monitoring system

Fuel tank oil level gauge	●
Engine coolant temperature gauge	●
Intelligent instrument of CAN-bus function	●

Others

Standard battery(2x12V,2x120Ah)	●
Lockable engine hood	●
Portable fuel oil filling cover	●
Anti-slip pedal, handrail and sidewalk	●
Tool kit	●
Root cloud	○

Specifications & Dimensions

Technical Specification

Engine

Engine	Cummins
Model	QSL8.9-C220
Type	inline 6-cylinder, in-line, air-air-inter-cooling, 4-stroke, electronic injection diesel engine, meet China Stage III emission requirments.
Rated power/rotating speed	164kW@2200r/min
Number of cylinders × cylinder bore × stroke	6×114mm×144.5mm
Maximum torque	1000Nm

Transmission system

Torque converter & transmission		Dana fixed-shaft electric control cabinet:	
Traveling speed (km/h)		Gear	Speed
		I (forward/reverse)	7.1
		II (forward/reverse)	13
		III (forward/reverse)	25
		IV (forward)	40

Work hydraulic system

Fixed and variable hydraulic system with double-pump interflow and high-pressure unloading
Internal-pressure oil tank, prevent external pollution completely.

Working pump	Gear pump
Flow/ rotation speed	176L/min @ 2200r/min
Total cycling time (s)	≤10.5

Steering hydraulic system

Hinged frame, load sensitive, coaxial flow amplification and steering priority

Steering pump	Variable plunger pump
Flow/ rotation speed	187L/min @ 2200r/min
Articulation angle	±40°

Driving axle and tire

Type	Four-wheel driving
Tire specification	23.5-25 16 PR
Tire pressure	Front/rear wheel: 0.32/0.3Mpa

Braking system

Service brake	Full-hydraulic caliper disc brake
Parking brake	Electrically-controlled fully-hydraulic caliper disc brake

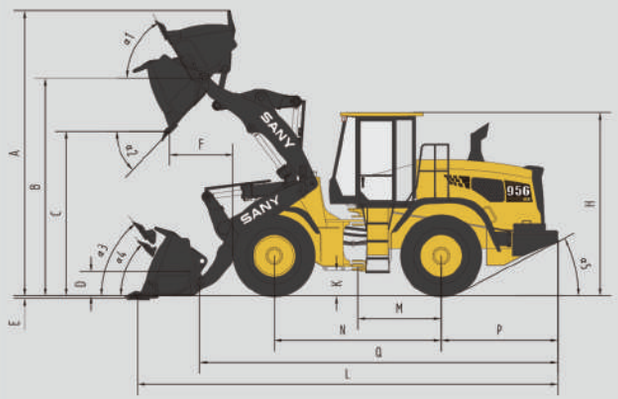
Service Refill Capacities

Fuel tank	300L	Hydraulic oil tank	220L
Cooling system	45L	Front Axle oil	26.2L
Torque converter & transmission system	65L	Rear Axle oil	26.2L

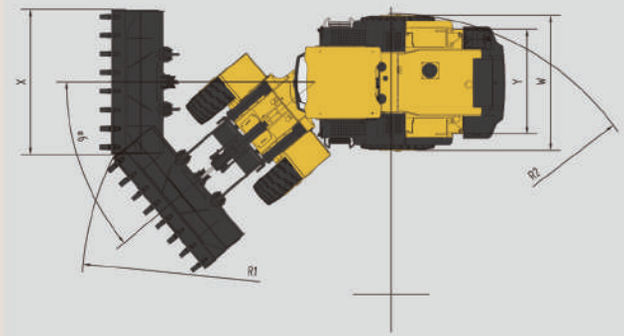
Specifications & Dimensions

Specifications	SYL956H5
Forward speed at gear I (Km/h)	7.1
Max. forward speed (Km/h)	40
Total cycling time (s)	10.5
Breakout Force (kN)	175
Max. traction force (kN)	167
Articulation angle (°)	40
Dump clearance (at 45°-fully raised) (mm)	3118
Dump reach (at 45°-fully raised) (mm)	1140
Min. turning radius (mm)	5850
Static tipping load (40° Full turn) (kg)	10700
Static tipping load (Straight) (kg)	12600

Dimensions (mm)	SYL956H5
A. Overall height with bucket at Maximum lift	5410±50
B. Hinge pin height (fully raised)	4132±50
C. Dump clearance (at 45°-fully raised)	3118±50
D. Hinge pin height (at carry position)	460
E. Digging depth	30
F. Dump reach (at 45°-fully raised)	1140±50
H. Overall height (Rops cab)	3501±50
K. Ground clearance	432±10
L. Overall length, Bucket on Ground	8016±50
M. Length from Centerline to Rear Axle	1600
N. Wheel base	3200
P. Center Line Rear Axle to Edge of Counterweight	2229±50



Dimensions (mm)		SYL956H5
Q	Length from bucket hinge shaft to Edge of counter weight (mm)	6807±50
α1	Roll back angle, Boom fully raised	56°
α2	Max. dump angle, fully raised	45°
α3	Roll back angle at carry position	50°
α4	Roll back angle at ground level	45°
α5	Departure angle	28°
α6	Articulation angle	±40°
W	Width over tires (mm)	2825±50
X	Bucket width (mm)	3000
Y	Tread (mm)	2200
R1	Turning radius to outerside of bucket (mm)	6450±50
R2	Min. turning radius to outside of tires (mm)	5850±50



Note: Due to constant update of technique, the material and technical specification are subject to a change without a prior notice. The machine in picture may include the attached devices.


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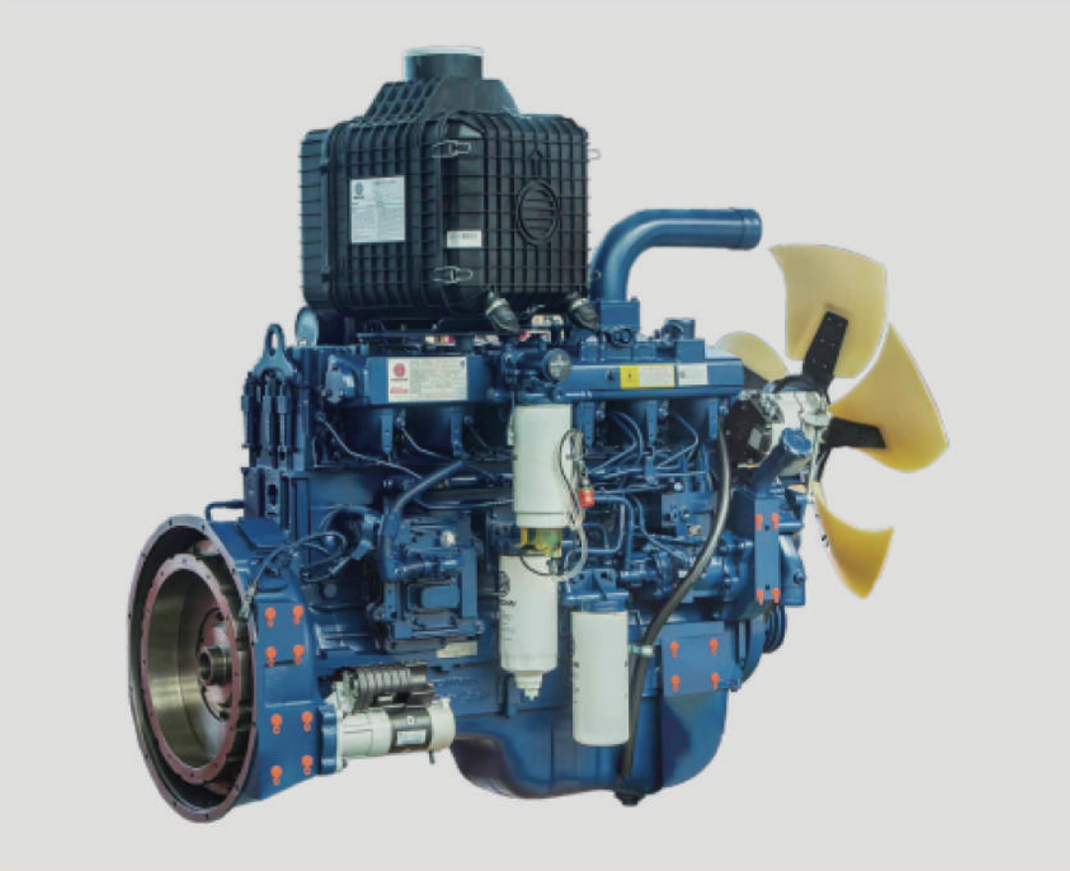
Highlights

Engineered for greater productivity & reliability, better fuel efficiency & more comfortable operating experience, the SW978K is built of stronger frame, leading hydraulic & braking technology.

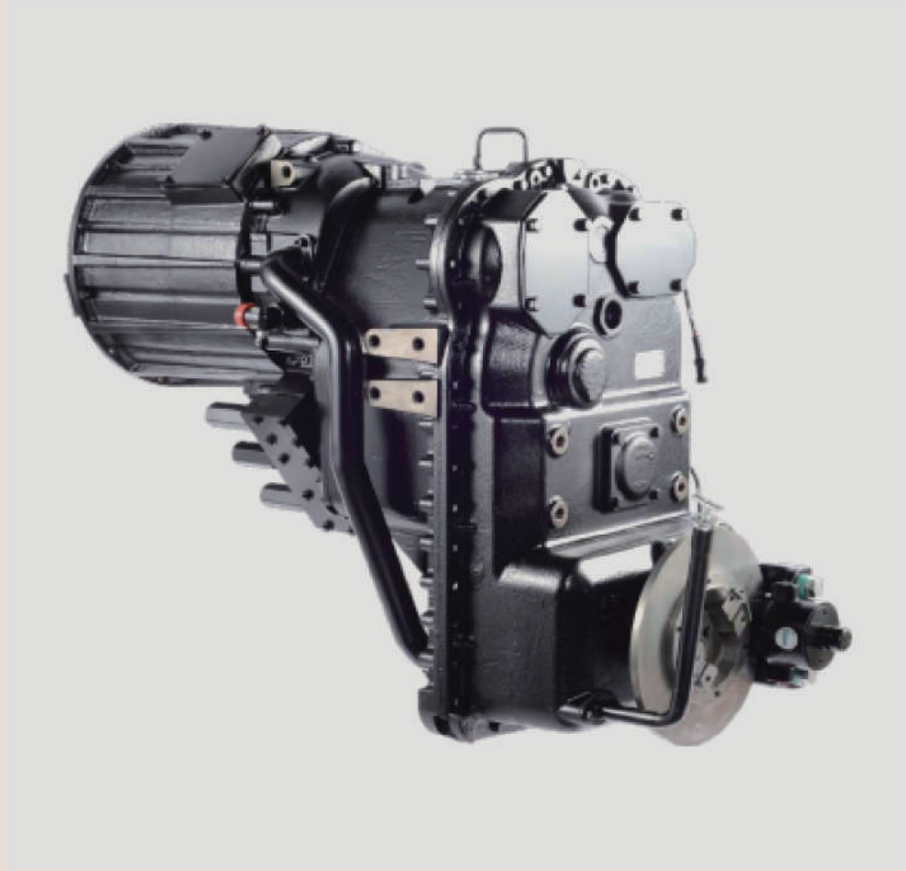
- More powerful
- Automatic transmission
- Constant power hydraulic system
- Wet disc braking system
- Pilot control, FNR function
- Intelligent Management
- Rear camera
- Digital weighting system(optional)

Reliability & Durability

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-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

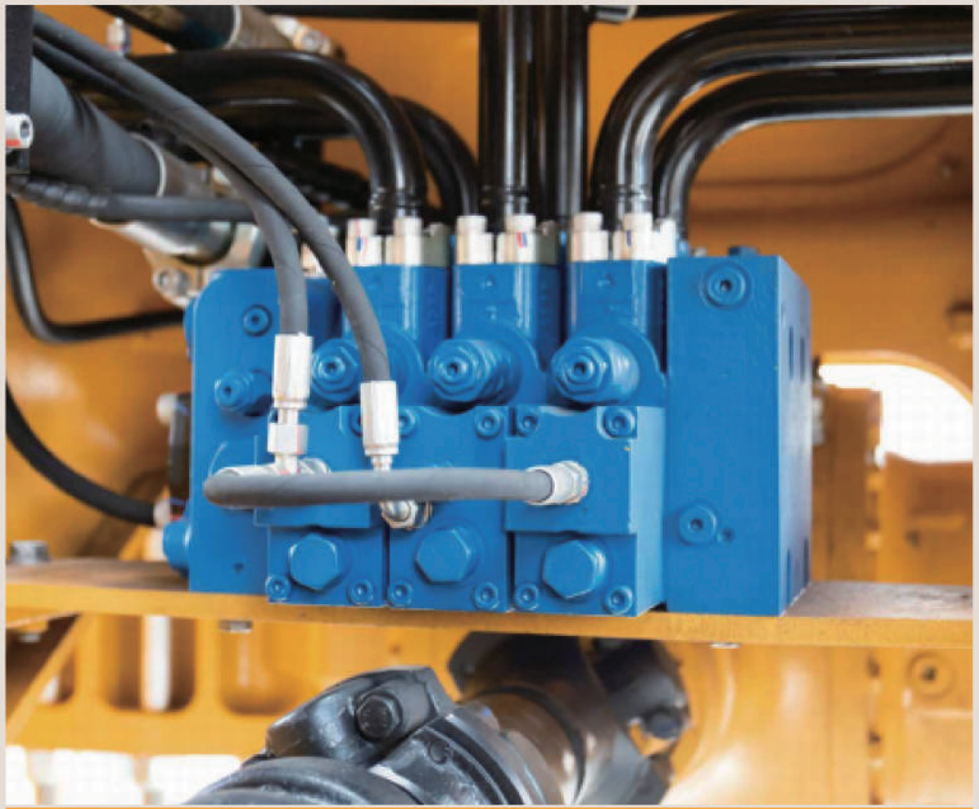


Wide Base Radial Tires

- 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
- Optional 26.5-25 tires

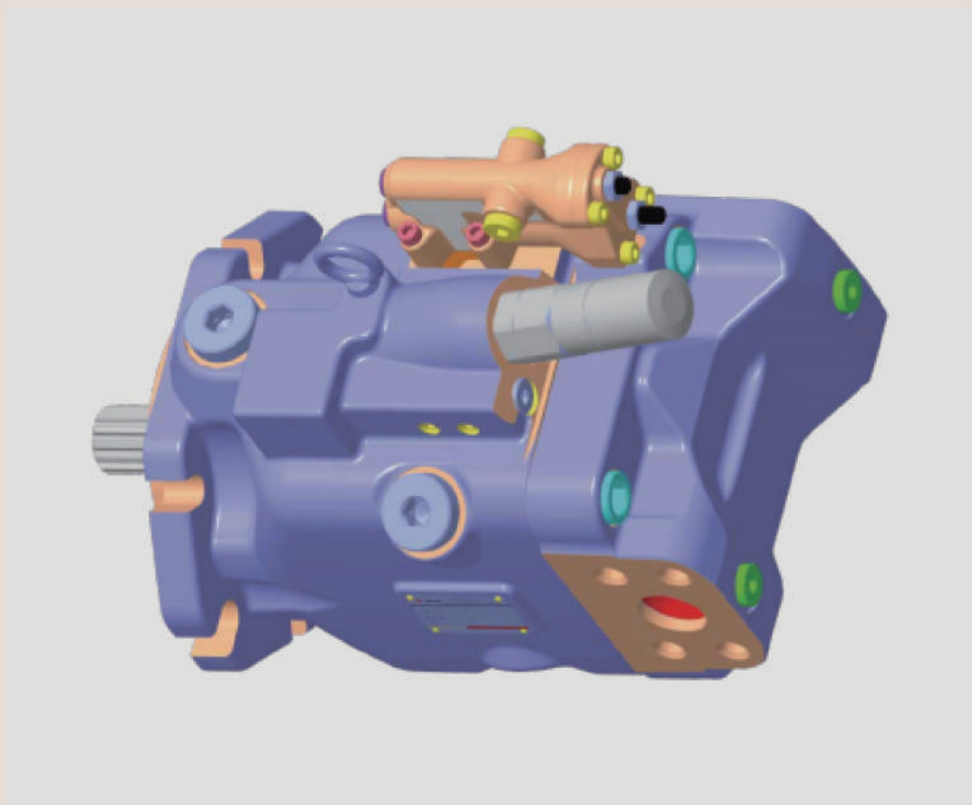
Reliability & Durability

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

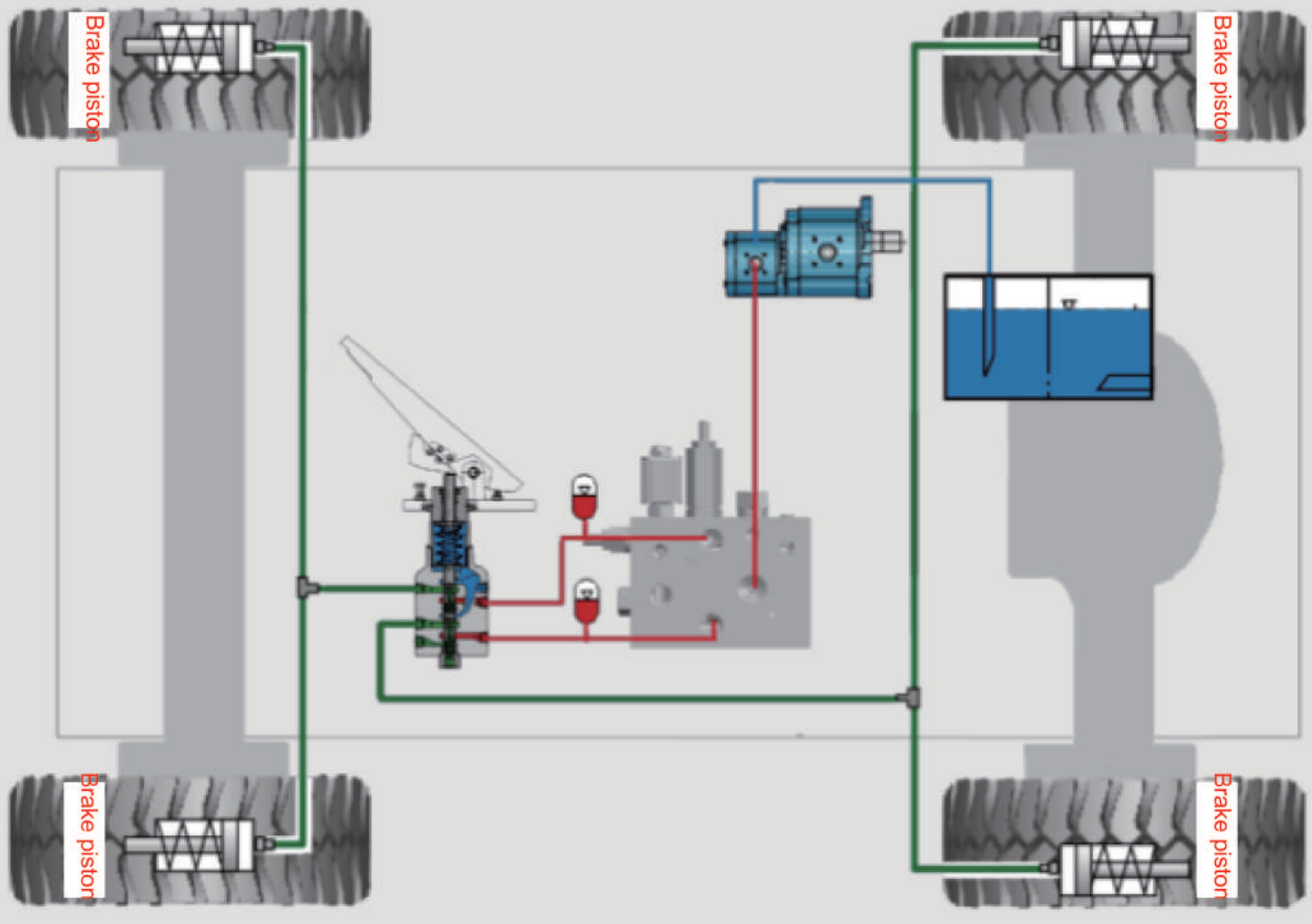


Variable Piston Pump

- 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

Intelligent Management

Easy Service

Smart Fleet



EV-Cloud

- Cluster distribution
- Construction statistics
- Remote Service

EV-APP

- Keep track of equipment working conditions
- One-click service call
- Service process visualization





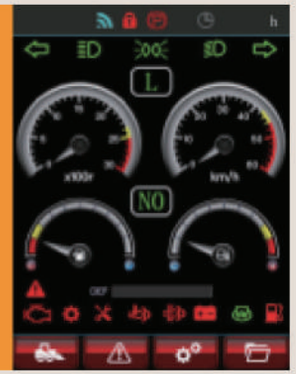
EV-APP

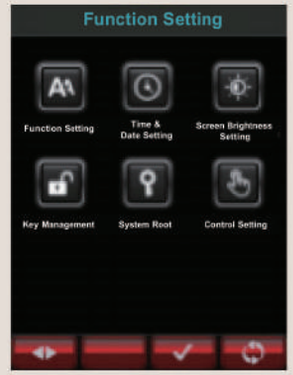
- Loader field service diagnosis system

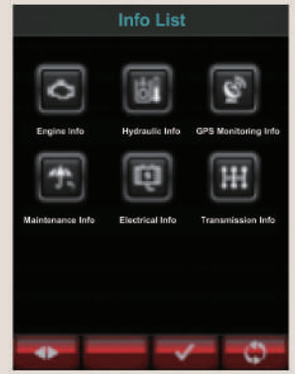
Easy Operation

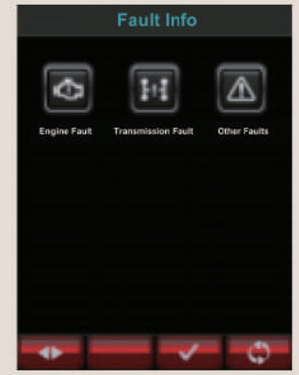
Smart Display

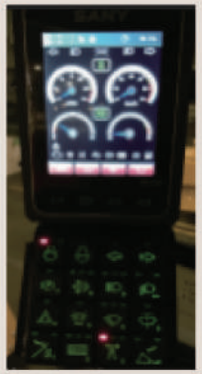
- 5.0-inch TFT display and control integrated screen, real-time display of equipment information
- GPRS networking, GPS positioning
- IP65 protection level, adapt to harsh working conditions















Auto Start with PIN Management

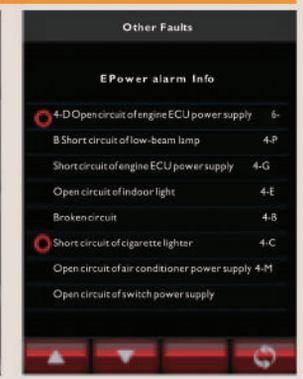
- CAN communication intelligent start management system
- The intelligent key start, engine start and flameout management system can easily start and stop, and extend the life of the starter motor and battery
- One-button start ensures that the engine starts without impact and overtime, and effectively prevents the starter motor from overheating and battery over-discharge
- Intelligent key management, private order of the owner's password, and 10 operator passwords assigned by the owner, making the equipment more secure

Intelligent power management

- CAN communication intelligent power management and fault diagnosis system
- The bus communication controls the power management system to realize overload protection and multi-mode automatic fault identification and alarm
- Intelligent power management module, using non-contact relay, with overload and short-circuit protection, life span increased by 100 times
- Graphic + text fault diagnosis, fault information prompt is more intuitive and accurate, and troubleshooting is convenient and quick
- Intelligent non-contact multi-function button panel, one button for multiple purposes, more comfortable operation, extremely simple wiring, and more reliable to use
- The life of the panel button can reach 300,000 times, far exceeding the life of the rocker switch 40,000 times.








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More options

Booms

Dump clearance of **3.1m, 3.4m** are optional.

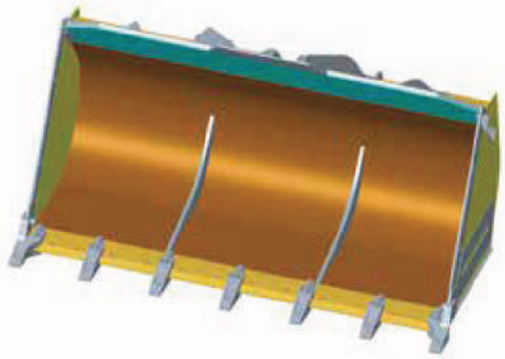


Specifications	Optional boom			Standard boom		
Bucket Capacity (m^3)	4.5	5.0	7.0	4.5	5.0	7.0
Dump clearance (mm)	3220	3155	3050	3490	3430	3320
Operating weight (ton)	24.6	24.7	25.4	24.7	24.8	25.5

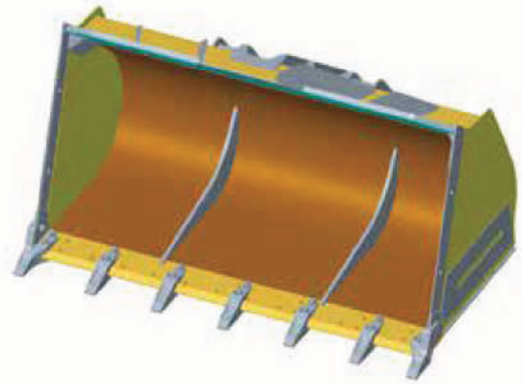
*Detailed configuration is subject to the product sold

Attachments

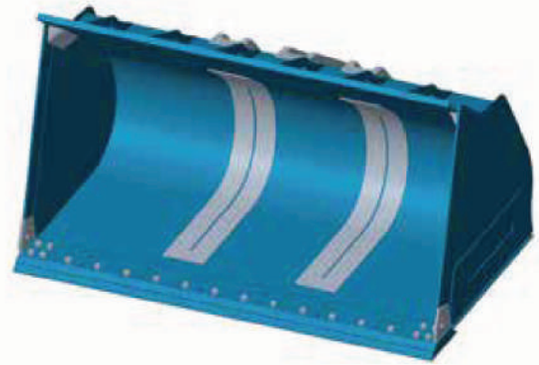
4.5m^3 (Bucket bolt-on teeth)



5.0m^3 (Bucket bolt-on teeth)

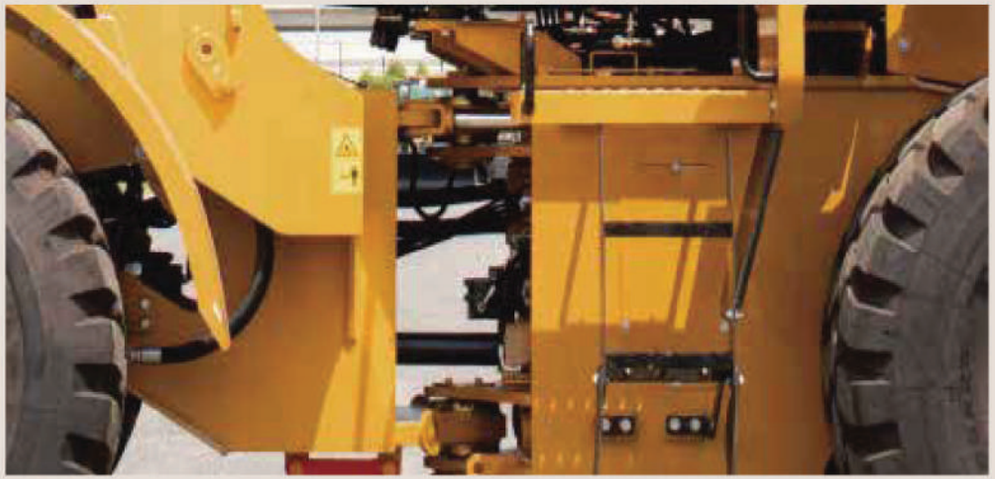


7.0m^3 (Enlarged bucket)



Maintenance

Easy Maintenance



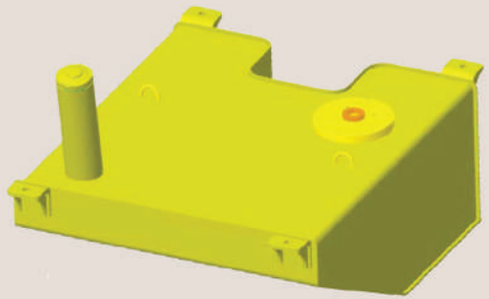


Centralized Filling Port

The centralized arrangement of greasefilling 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 clerance)	●	Portable fuel oil filling cover	●
Automatic and manual dual mode KD function	●	Joystick	●	5m³ 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

Engine

Manufacture	Weichai
Model	WP10G286E301
Type	6-Cylinder Inline, Air-to-Air Cold, 4-Stroke, EFI
Rated power / Speed	210 kW / 2200 RPM
Cylinder Number * Bore * Stroke	6*126mm*130mm
Max. Torque	1185 Nm

Transmission

Torque Converter & Transmission	Fully Automatic Electric Control Fixed Shafts Transmission	
Speed	Ⅰ（Front / Rear）	＞6.5 km/h
	Ⅱ（Front / Rear）	≥13.5 km/h
	Ⅲ（Front / Rear）	≥27km/h
	Ⅳ（Front ）	≥40 km/h

Hydraulic System

Variable System, Double Pump Confluence	
Main Pump	Variable Piston Pump
Hydraulic Cycle Time	≤9.2s

Steering System

Articulated, Load-sensitive, Flow-amplified Steering System	
Steering Pump	Variable Piston Pump
Articulation Angle	±38°

Axles and Tires

Style	Wet Heavy-duty Swing Axle
Specification	750/65 R25
Air Pressure	Front / Rear : 0.63 MPa / 0.53 MPa

Brake System

Service Brake	Four-wheel wet multi-disc brake System
Parking Brake	Electric Controlled Full Hydraulic Capliper Disc Brake System

Accessories

Fuel Tank	330L	Hydraulic Oil	220L
Cooling System	45L	Oil in The Front Axle	48L
Gear Oil	38L	Oil in The Rear Axle	40L

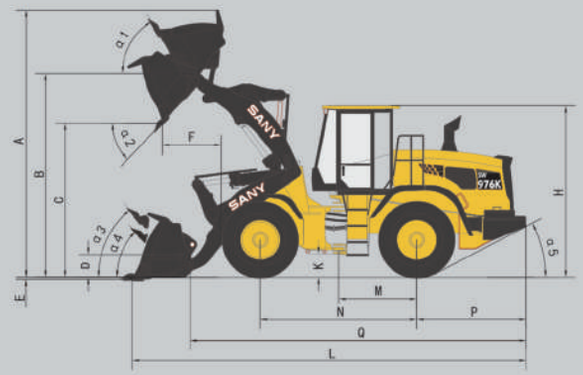
Specifications & Dimensions

SW978K 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
Bucket Capacity	m^3	5
Operation Weight	kg	24300
Rated Load	kg	7000

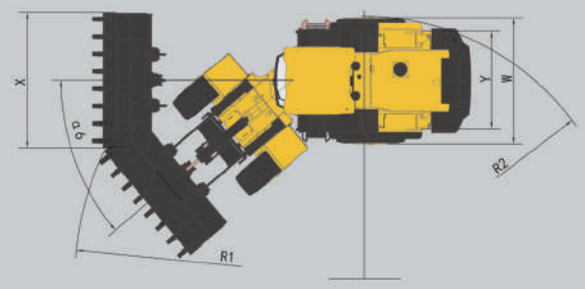
SW978K Standard Boom

A. Overall height with bucket at Maximum lift	mm	6100
B. Hinge pin height (fully rasied)	mm	4800
C. Dump clearance (at 45°-fully raised)	mm	3440
D. Hinge pin height (at carry position)	mm	570
E. Digging depth	mm	130
F. 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



SW978K Standard Boom

Q	Length from bucket hinge shaft to edge of counter weight	mm	7983
α1	Roll back angle (boom fully raised)	°	60
α2	Max. dump angle(fully raised)	°	45
α3	Roll back angle (at carry position)	°	51
α4	Roll back angle (at ground level)	°	45
α5	Departure angle	°	25
α6	Articulation angle	°	±40
W	Width over tires	mm	3110
X	Bucket width	mm	3420
Y	Tread	mm	2300
R1	Turning radius to outside of bucket	mm	7335
R2	Turning radius to outside of tires	mm	6525




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SW936K1



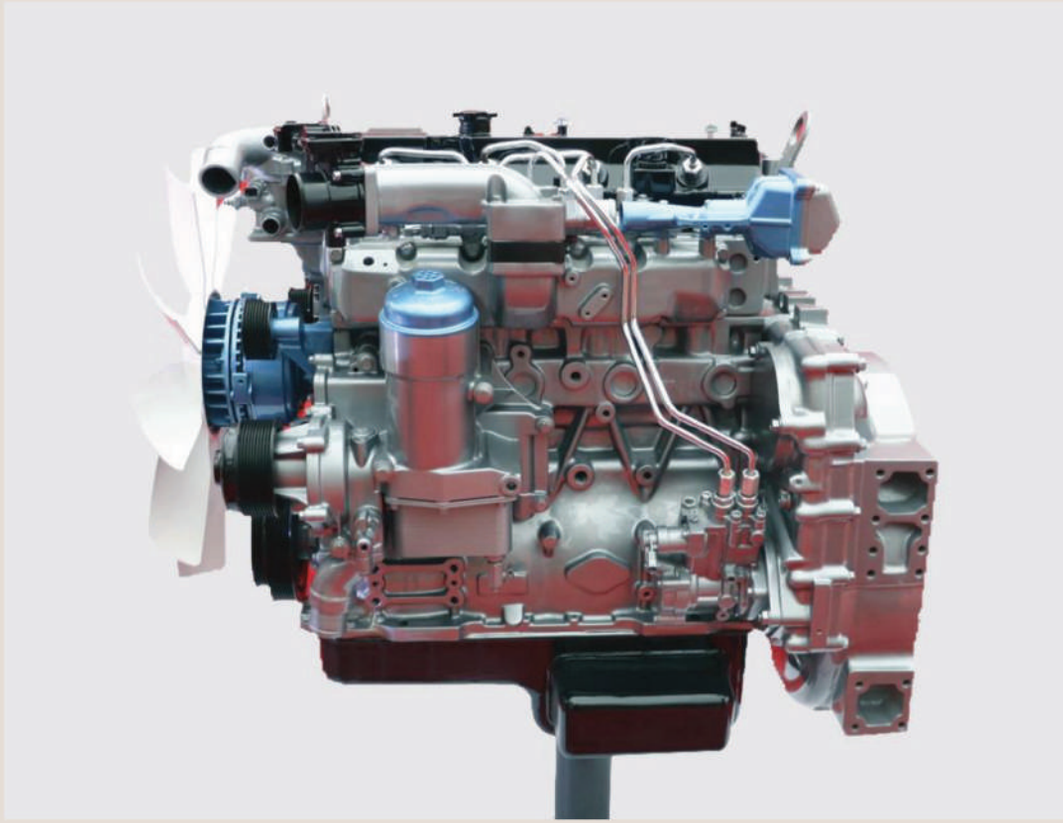
Highlights

Engineered for greater reliability & productivity, the SW936K1s built of 4-ton class frame, leading hydraulic & braking technology.

- 4-ton class Frame
- Full-hydraulic Braking system
- Intelligent Management
- Comfortable Cabin

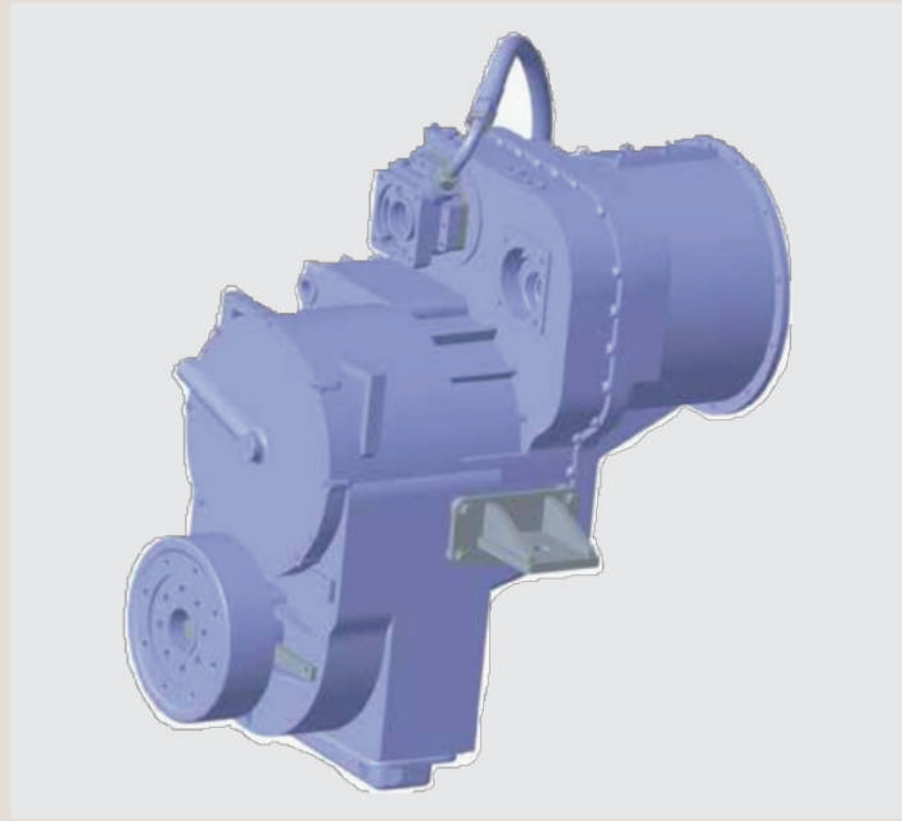
Reliablity&Durability

Engine and Transmission



WEICH *AI* Engine

The WEICH AI engine is powerful, reliable, saving energy and easy to maintain



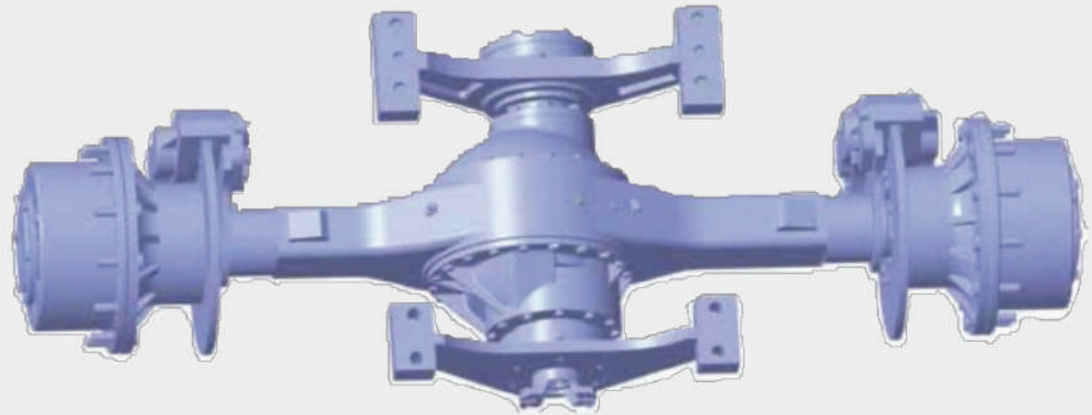
Planetary transmission

This customized transmission is equipped with large capacity torque converter and it can improve the travelling speed by 3% and the traction force meet 107KN with high efficiency.

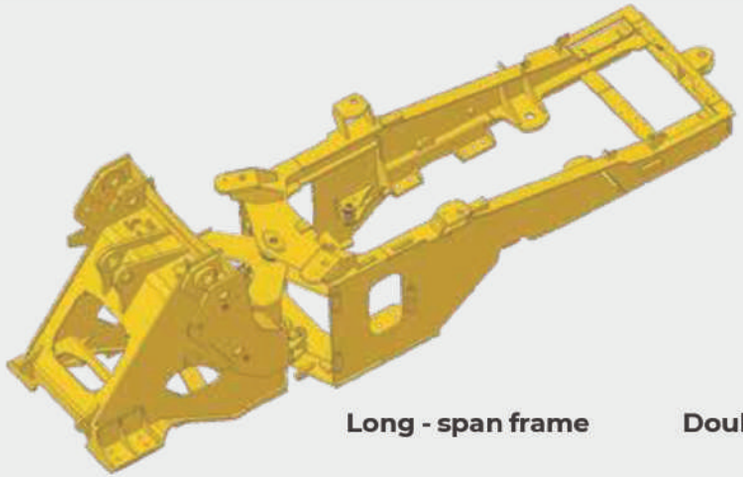
Axles

Heavy-load oscillating axle

Intergrated oscillating axle structure has better adaptionto heavy load condition, and avoids the faults such as crack of subframe and hinge pinof non - swinging bridge.



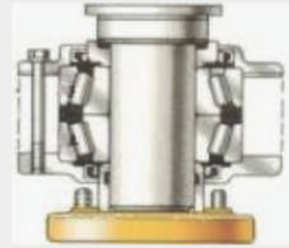
Frame



Long - span frame



Double tapered roller bearing



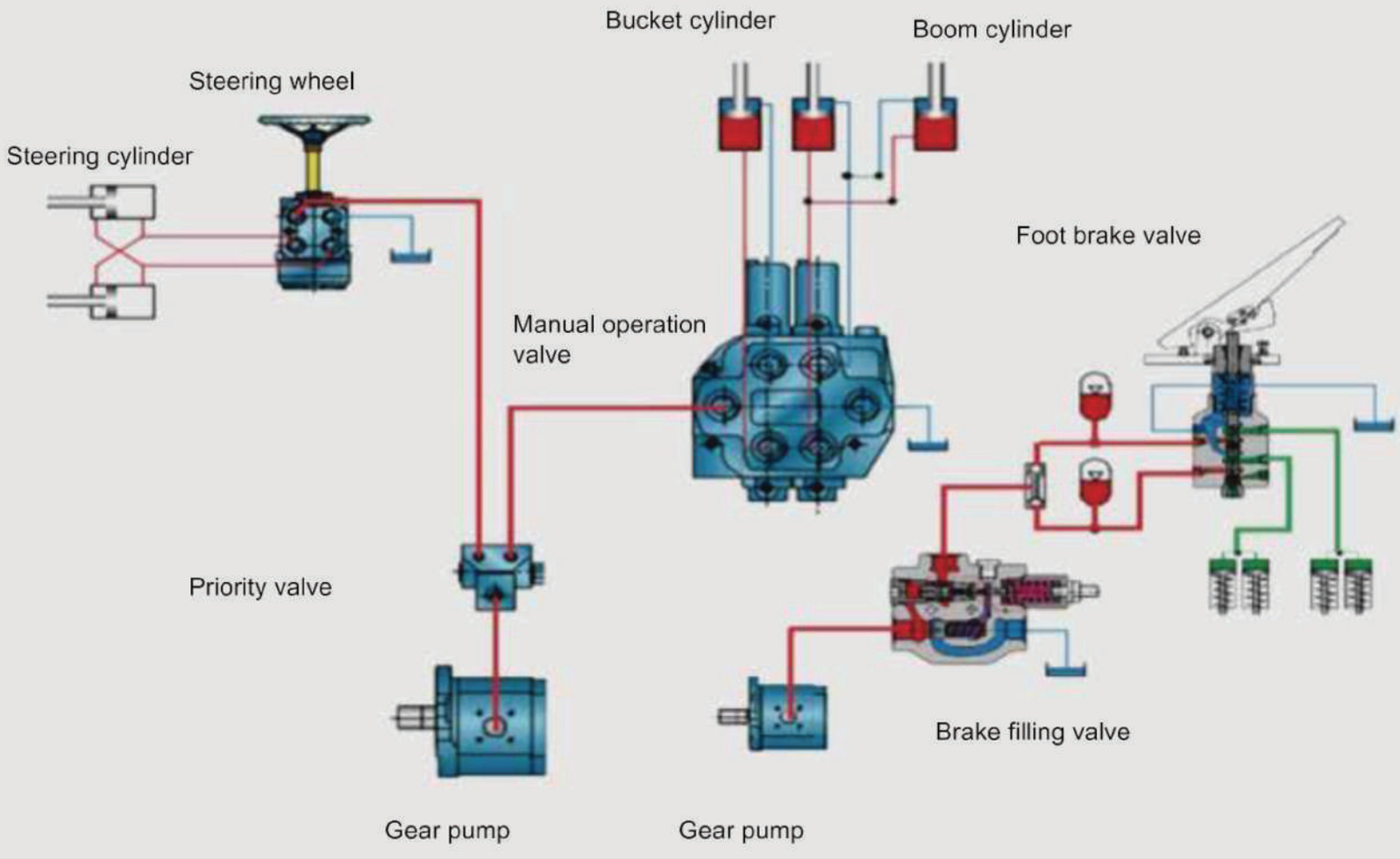
Heavy - duty hinge

Long - span Frame

- Long-span hinge structure, ensuring high torsional strength. and 3.5T loading capacity.
- Both of upper and lower hinges are provided with double tapered roller bearing to ensure high bearing capability with low failure rate.

Reliablity&Durability

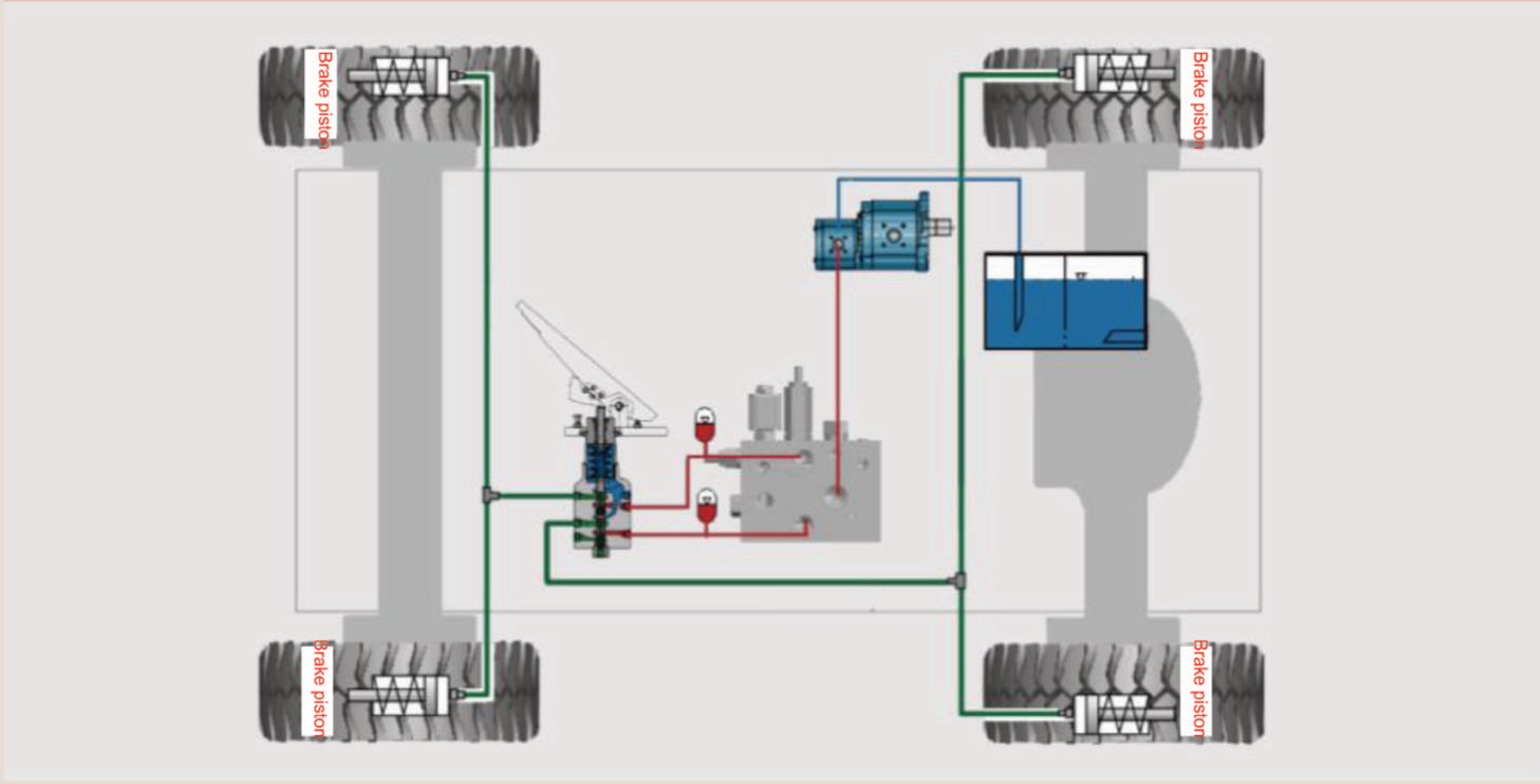
Large displacement and efficient system



Braking System

Double pipeline fully - hydraulic brake

Flexible and reliable braking, circulating cooling of hydraulic oil, reduce braking failure due to thermal attenuation, and prolong the service life of hydraulic elements.



Cabin



- 9-dimensions adjustable suspension seat
- Ulter - large front/rear adjustment space
- Large angle adjustment of backrest



2 air outlets on both side





6 air outlets on the front decoration panel

Intelligent Management

Easy Service

- Onekey service call
- Intelligent diagnosis
- Promt troubleshooting
- Networking of computer group and easy management.

Intelligent machine group



EVI-Cloud:

Cloud machine group management system of Loader

- Distribution of machine group
- Construction statistics
- Remote service

EVI-APP:

Client device management system of Loader

- Real - time monitoring of device condition
- One key service call
- Visible servicing process
- Community forum
- Thermodynamic chart of construction





"EasyN"APP:

Cloud machine group management system of Loader

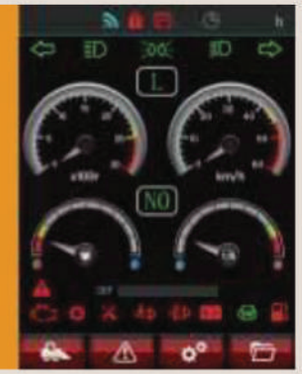
- Field service diagnosis system of Loader
- Fault diagnosis
- Wireless debugging and programming

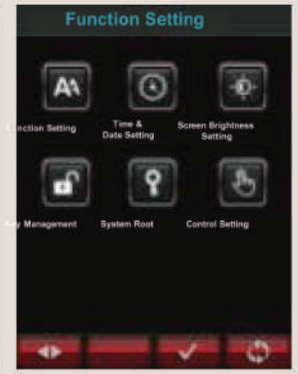
Easy Operation

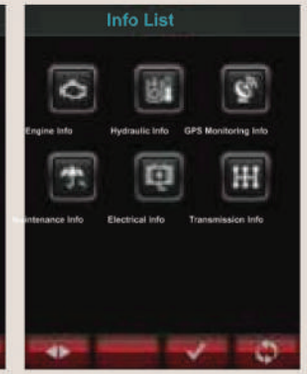
Intelligent display

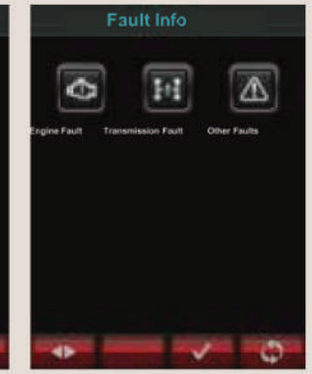
- 7.0" TFT display - control integrated
- Real - time operating system, control speed<1 ms
- IP65 protection grade, be adapted to severe work condition
- Real - time display of device information

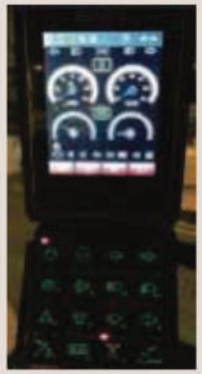




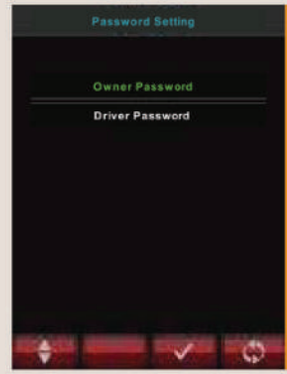












One-key start, key management

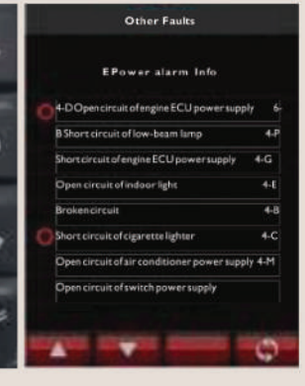
- Intelligent startup management system of CAN communication
- Pioneering intelligent key startup, engine startup and quenching management system at home, to realize easy startup and shutdown, prolong the service life of starting motor and battery.
- One - key startup, avoid impact or timeout during engine startup, avoid overheating of starting motor and battery over - discharge effectively.
- Intelligent key management, private customization of owner password, distribution of 10 passwords by owner, to bring higher safety to device.

Intelligent power management

- Intelligent power management and fault diagnosis system of CAN communication, Pioneering CAN bus communication control and power management system of Loader at home, to realize overload protection, multi - mode auto fault recognition and alarm.
- Intelligent power management module, contact - free relay, with overload and short circuit protection, improving the service life by 100 times.
- Graph + text fault diagnosis, provide direct and accurate display of fault information, ensure convenient and fast troubleshooting.
- Intelligent, contact - free and multi - function key panel, integrate multiple functions in one keys, enjoy more comfortable operation, simple wiring and reliable use ; service life of panel key can reach 300,000 times, fer beyond the service life of 40,000 times of rocker switch.

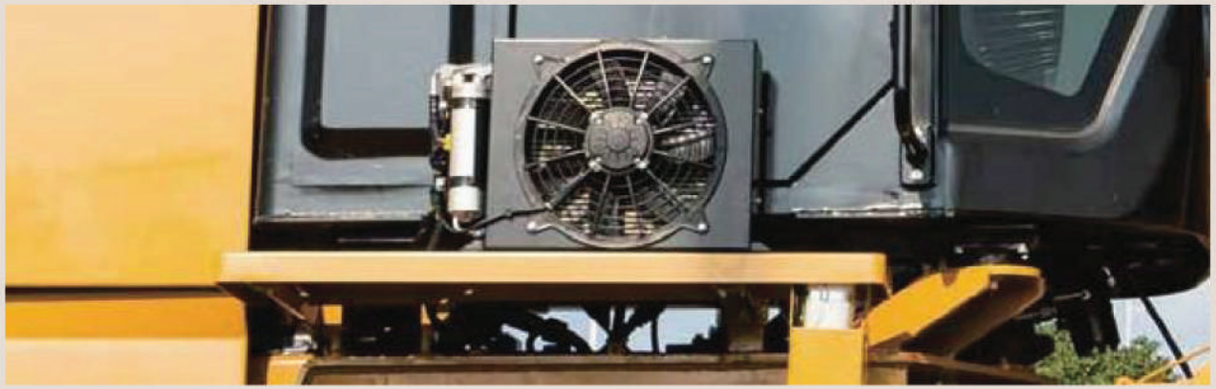






Maintenance

Easy Maintenance



Independent cooling of air conditioner

It is convenient to disassemble and replace the condenser.



Centralized grease points

The grease fittings are highly concentrated to improve the convenience of maintenance.





Single layer radiator

Be provided with - single layer radiator for promoting daily cleaning and maintenance.



Side opening hood

Convenient for the replacement of engine oil and filter element, fuel filter element, air filter element and matched parts.

Technical specifications

Engine

Engine	WEICHAI
Model	WP6G140E22
Type	Inline 6-cylinder, water cooling,Direct injection engine, turbo-charged and inter-cooled meet China Stage Ⅱemission requirments.
Rated power/rated rpm	105kW@2200r/min
Number of cylinders x cylinder bore x stroke	6 x 105mm x 130mm
Maximum torque	560Nm

Transmission system

Torque converter & transmission	Planetary and mechanical transmission	
	Gear	Speed
Traveling speed (km/h)	Forward1	13
	ForwardII	40
	Reverse1	17

Work hydraulic system

3-pump interflow, quantitative hydraulic system	
Working pump	Gearpump
Flow/rotation speed	209L/min@2 200r/min
Total cycling time(s)	≤10

Steering hydraulic system

Loading sense and steering priority	
Steering pump	Gear pump
Flow/rotation speed	/
Articulation angle	±40°

Front drive axle and tires

Drive axle type	4WD
Tire specification	17.5-25
Tire pressure	Front/rear wheel:0.35/0.3Mpa

Braking system

Service brake	Full hydraulic caliper disc brake
Parking brake	Mechanical flexible shaft drum brake

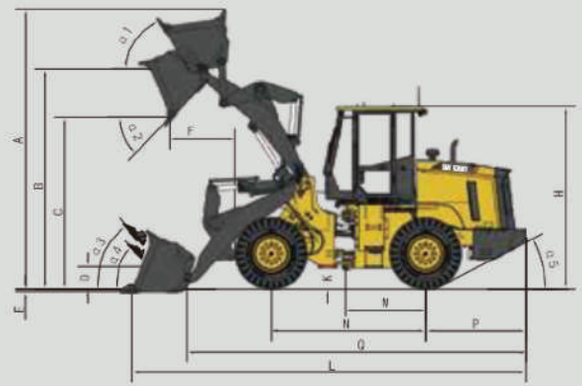
Service Refill Capacities

Fuel tank	170L	Hydraulic oil tank	149L
Cooling system	25L	Front Axle oil	15.4L
Torque converter & transmission system	35L	Rear Axle oil	15.4L

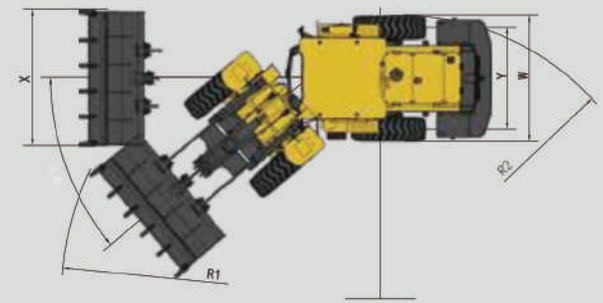
Specifications & Dimensions

Specifications	SW936K1
Forward speed (Km/h)	0~40
Reverse speed (km/h)	0~17
Total cycling time (s)	≤10
Max.breakout Force (kN)	≥103
Max.traction force(kN)	≥107
Bucket capacity (m^3)	2.0
Operating weight (kg)	11000
Rated loading (kg)	3500
Engine	WEICHAI WP6G140E22
Rated power (kW/rpm)	105/2200
Max.torque (Nm/rpm)	560

Item (mm)	SW936K1
A. Overall height with bucket at Maximum lift	5160±50
B. Hinge pin height (fully raised)	4028±50
C. Dump clearance (at 45°- fully raised)	3130±50
D. Hinge pin height (at carry position)	465
E. Digging depth	120± 30
F. Dump reach (at 45°-fully raised)	1210±50
H. Overall height (Rops cab)	3350±50
K. Ground clearance	345± 20
L. Overall length, Bucket on Ground	7480 ±100
M. Length from Centerline to Rear Axle	1425 ±30
N. Wheel base	2850±30
P. Center Line Rear Axle to Edge of Counterweight	1950± 30



Item (mm)	SW936K1
Q Length from bucket hinge shaft to edge of counter weight (mm)	6180±100
a1 Roll back angle, Boom fully raised	61±5°
a2 Max.dump angle, fully raised	45°
a3 Roll back angle at carry position	54°
a4 Roll back angle at ground level	45°
a5 Departure angle	28°
a6 Articulation angle	±40°
W Width over tires (mm)	2300±50
X Bucket width (mm)	2460
Y Tread (mm)	1850
R1 Turning radius to outside of bucket (mm)	5754 ±150
R2 Turning radius to outside of tires(mm)	5140±150






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