SANY®

QUALITY CHANGES THE WORLD

Engine power
129 kW/2200 rpm

Bucket capacity
2.3-2.7 m³

Operating weight
14600 kg

SW940L

Sany Loader

TECHNICAL SPECIFICATION

KEY SPECS	VALUE
Operating Weight	14600 kg
Manufacturer and Model	Cummins B6.7
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V
Cylinders	6
Displacement	6.7
Rated Engine Power	129 kW(173 hp)
Max Gross Torque	1120 Nm(826 lbs. ft.)

OPERATING CAPACITY（JRB）	VALUE
Bucket Capacity (Heaped)	2.3 m^3 (3.2 yd^3)
Breakout Force	107 kN (23589 lbf)
Tipping Load Straight	10145 kg (22366 lb)
Tipping Load @ Full Turn	8571 kg (18900 lb)
Hinge Pin Height (max lift)	3905 mm (12' 9.7")
Clearance (max lift 45° dump)	2765 mm (9' 8.9")
Reach (max lift 45° dump)	1158 mm (3' 9.6")

AXLES/BRAKES & TIRES	VALUE
Manufacturer (Front / Rear)	ZF / ZF
Front Axle	Fixed
Front Axle (Differential)	Auto/Manual Locking Differential
Rear Axle	Oscillating
Rear Axle (Differential)	Open Differential
Service Brakes	Wet Disc
Parking Brake	Disk Brake
Tires	20.5R25 L3 Radial

SERVICE CAPACITIES	VALUE
Fuel Tank	236 L (62.35gal)
Cooling System	31L (8.2 gal)
Engine Crankcase	15L (3.96gal)
Transmission	48L (12.7 gal)
Front Axle	35L (9.2 gal)
Rear Axle	35L (9.2 gal)
Hydraulic Tank	110L (29 gal)
DEF Tank	22L (5.8 gal)

TRANSMISSION	VALUE
Manufacturer and Model	ZF 4WG190
Type	Countershaft, Power shift
Shift Modes	Automatic, Manual, Kick Down
Forward Gear 1–4	4–25 mph
Reverse Gear 1–3	4–17 mph

HYDRAULIC CYCLE TIMES	VALUE
Raise	5.4 sec
Dump	1.6 sec
Float Down	3.2 sec
Total Cycle Time	10.2 sec

HYDRAULIC SYSTEM	VALUE
Manufacturer	Hengli (SANY Optimized)
Max Flow	220 L/m (58 gpm)
Max Pressure	25MPa (3626psi)
Loader Controls	Joystick Electric-over-hydraulic
Auxiliary Hydraulics	3rd Function Standard
Steering Type	Hydraulic articulated
Articulation Angle	+/- 40 deg

ELECTRICAL	VALUE
Electrical system	24 volt
Battery (Model)	6-QW-120
Battery (Voltage)	12 Volt
Battery (Quantity)	2
Battery (Capacity)	120 Ah
Battery (Cold Cranking Amps)	680 Amp

Reminder:
Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice.
The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.
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SW940L
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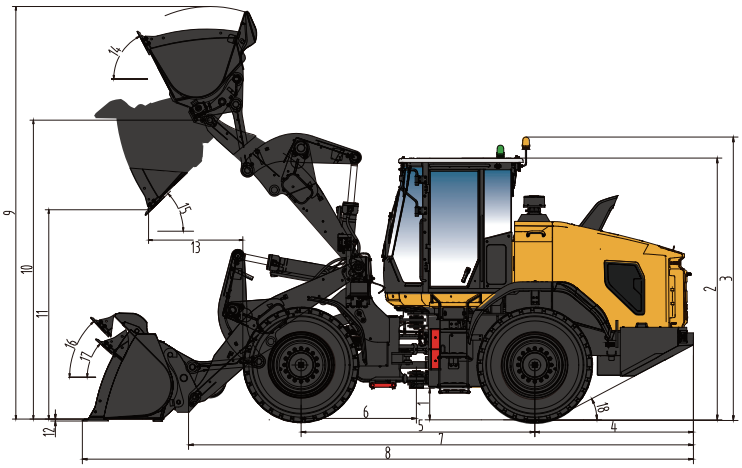
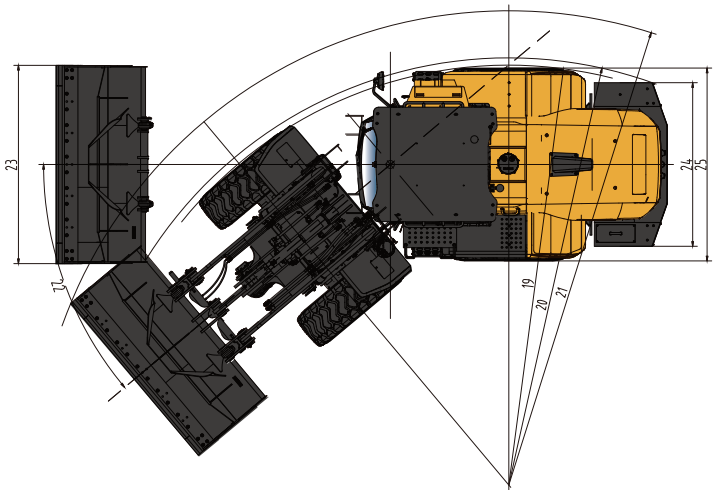
MACHINE DIMENSIONS

ITEM	UNIT	VALUE
1 Ground clearance	mm	407
2 Height to top of cab	mm	3360
3 Ground to beacon	mm	3639
4 Center line of rear axle to edge of counterweight	mm	2036
5 Wheelbase	mm	3000
6 Center line of front axle to center pivot	mm	1480
7 Shipping length without attachment	mm	6480
8 Shipping length with bucket	mm	7843
9 Max. dump height	mm	5296
10 Hinge pin height at max. Lift	mm	3837
11 Dump clearance at max. Lift	mm	2688
12 Dig depth, level bucket	mm	122
13 Reach at max. lift and 45° discharge	mm	1210
14 Roll back at max. Lift	°	62
15 Dump angle at max. lift and dump	°	44
16 Roll back at carry height	°	46
17 Roll back at ground	°	42
18 Tail angle to the rear wheel	°	28
19 Clearance circle to outside of tires	mm	5389
20 Clearance circle to counterweight	mm	5483
21 Max. circle	mm	6087
22 Max. steering angle	°	40
23 Width of the bucket	mm	2545
24 Counterweight width	mm	2100
25 Overall tire width	mm	2476





STANDARD EQUIPMENT

CONFIGURATION LIST
ROPS/FOPS Certified Cabin
Roof-Mounted Warning Light beacon
Rear Window Electric Heating (Defrosting)
Heated Seat
Automatic lubrication System
3rd function Auxiliary hydraulics
Anti-Burst Hydraulic Valve
Underbody Protection (Guarding)
Soft Stop
Bucket Float Function
One-button Material Discharge
Parallel Lift
Boom Shock Absorption (Ride Control)
Auto/Manual Locking Differential（Front）
Reversible Machine Cooling Fan
ICCO Intelligent Clutch Cutoff
Auto-Loading (DIG)
360 Cameras
Over-The-Air (OTA) automatic System updates

OPTIONAL EQUIPMENT

CONFIGURATION LIST
Seat Belt Status Monitoring Indicator
Electrically Adjustable Heated Mirrors
Tire Pressure Monitoring (TPM)
Ventilated Seat
Rear Object Monitoring
Reverse Automatic Electric Braking (AEB)
Rear Anti-Collision Beam (Machine Guarding)
Front Windscreen mesh guarding (Window mesh)
Emergency Steering System
Intelligent On-Board Payload Scale
Handle Steering