

SANY

QUALITY CHANGES THE WORLD

AGILE FUEL EFFICIENT AND VALUE ADDING

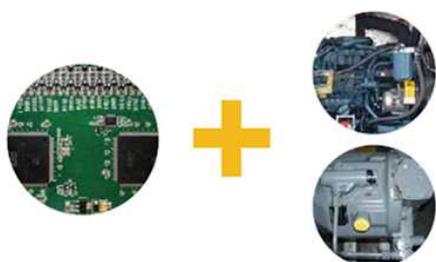
SANY SY65W Wheel Excavator

- ▶ Superb Performance
- ▶ Std. & Opt. Equipment
- ▶ Specification



Superb Performance

High Efficiency



Dynamic Optimization Matching Control System (DOMCS):

The latest 800MHz intelligent dual-core controller can monitor the operation of 100 machines in real time. When the controller captures the operator's work intention, it sends the signal to the engine and main pump within 1/100s, realizing the perfect match between power and hydraulic system, and improving the fuel efficiency.

Unique SLSS-Load Sensitive Hydraulic System: Perfect synergism between the engine and the main pump, improving work efficiency and reducing fuel consumption.



Min. Distance between Bucket and Blade: The optimized design minimizes the distance between the bucket and blade, realizing the perfect match in operation, and dramatically enhancing the working efficiency.

Powerful Digging Force: The bucket and arm digging force and bucket capacity outperform the competitors.

Wide Adaptability

Travel System: It adopts customized Italian drive axle and gearbox with 8 ton bearing capacity and 30km/h traveling speed.



All Wheel Drive: Suitable for all road conditions; the 34kN driving force prevents the machine from getting stuck in the mud; 290mm ground clearance, 37° approach angle and 28° departure angle ensure the exceptional off-road performance.

Optimum Reliability



Reinforced Structure:

The bracing behind the boom adopts high strength forging steel, improving the durability. The key parts are reinforced with steel plate, suitable for tough working conditions.

The boom adopts box type welding structure, with the section factors in bending up by 14% and mean stress down by 10%, significantly increasing its durability in tough job sites.

The optimized arc design of the bucket decreases the resistance and wear to the bucket during the digging. The customized wear-resisting steel plate on the bucket bottom makes it more robust.

High Safety

Low Pressure Alarm System: Fully monitor the braking system's pressure with controller. When the pressure is low, the alarm system alerts the operator in time to avoid braking failure and ensure driving safety.

Anti-dropping Design of Blade: The two-way hydraulic lock of blade cylinder is equipped with the self-locking function, making sure that the blade will not drop under any circumstances and safe driving during traveling.

Superb Braking Capability: The foreign-brand braking device shortens the braking distance by over 30%, guaranteeing the driving safety.

Operator Comfort

The TOPS/FOPS certified SY65W ensures the safety for operators.

The latest TFT LCD doubles the panel's resolution to 500*360 and is sunlight readable.



Extra-long Handle: The extra-long ergonomic handle is equipped to comply with the operator's working habit for easy operation and reduced fatigue.

Complete Facilities: The cabin is equipped with floor mat, rear view mirror, loudspeaker, fire extinguisher, seat belt and ashtray.

Easy Maintenance



One-cover Maintenance: Open one cover and reach all parts, reducing maintenance difficulty.

Maintenance-free Swing Motor: With the latest Japanese hydraulic technology, the hydraulic oil meets the lubrication need of the swing device, without requiring to purchase expensive gear oil. Therefore, the swing motor is free of maintenance for the whole lifetime, reducing the cost and saving the maintenance time.



Centralized Grease Filling: The grease fillers of the swing device and undercarriage are placed together, which delivers the grease to the parts hard to access, easy to maintain.

Tool box: The 100L large tool box creates enough space to store the tools.

Equipment

Standard Equipment

Power System

- 12V/2.5kW Starter Motor
- 50A Alternator
- Air Prefilter
- Dryflow Air Dual-stage Filter
- Drum-type Oil Filter
- Drum-type Fuel Filter
- Radiator with a Net
- Expansion Tank
- Wind Scooper
- Automatic Idle Speed System

Undercarriage

- Gearbox Shift Protection System
- Blade Cylinder Backplate (with Two-way Hydraulic Lock)
- 2 Tool Boxes
- 1 Anti-slip Block
- 1 Swing Stop Pin

Hydraulic System

- Control Valve with Main Relief Valve
- Backup Oil Port of Control Valve
- Inlet Filter
- Outlet Filter
- Pilot Filter

Front End Working Device

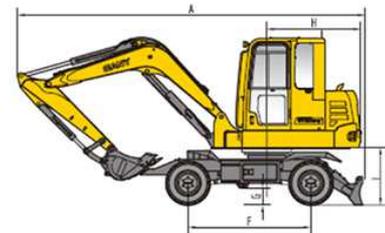
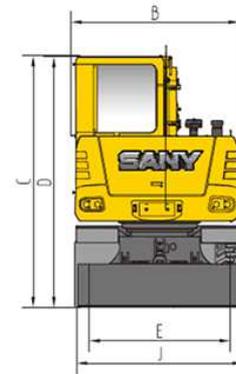
- Flange Pin
- Welded Rod
- Dust Seal for All Bucket Pins
- Connection to Install Reserved Hammer Pipeline

Cabin

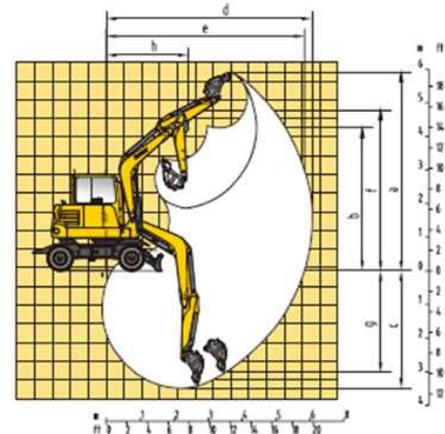
- Soundproof Cabin of Steel Structure
- Silicone Oil Rubber Damping Bearing
- Seat with Adjustable Armrest and Inclination Angle
- Air Conditioner & Heater
- Braking Low Pressure Alarm System
- Parking Low Pressure Alarm System
- Manual Grease Gun
- Work Light

Specification

Basic	Operating Weight	kg	5920
	Bucket Capacity (Std.)	m ³	0.21
	Max.Torque	N · m/rpm	225.8/1400-1800
Engine	Model	\	Kubota V2607 -DI-TE3B-CBH-2
	Rated Power	kW/rpm	43.0/2000
	Emission Standard	\	Tier 3
	Displacement	L	2.615
Dimensions	A Transport Length	mm	5928
	B Transport Width	mm	1978
	C Transport Height	mm	2884
	E Track Ground Length	mm	1600
	F Wheelbase	mm	2100
	I Minimum Ground Clearance	mm	290
	J Blade width	mm	1894
	H Tail Swing Radius	mm	1658
Working Range	a Max. Digging Height	mm	5908
	b Max. Dumping Height	mm	4255
	c Max. Digging Depth	mm	3490
	d Max. Digging Reach	mm	6055
	e Max. Digging Reach (on ground)	mm	5831
	f Height at Min. Swing Radius	mm	4780
	g Max. Vertical Digging Depth	mm	3025
	h Min. Swing Radius	mm	2555
Performance	Travel Speed	km/h	30/10
	Swing Speed	rpm	9.6
	Gradeability	%	58%/30°
	Ground Pressure	kPa	296
	Max.Digging Force	Bucket	kN
Arm		kN	33
Service Refill Capacities	Fuel Tank	L	130
	Hyd Tank	L	85
	Engine Oil	L	10
	Engine Coolant	L	5.6
	Final Transmission	L	1.7



Dimensions



Working Range

Lifting capacities

Lifting Point Height(m)	Lifting Point Radius						
	3.0m		4.0m		5.0m		
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	
3m	kg	/	2063	1391	1383	981	956
2m	kg	1982	2063	1316	1345	905	883
1m	kg	1871	/	1245	1231	872	864
0m	kg	1666	1740	1249	1192	944	930

1. Standard equipment: 3m boom, 1.55m arm, 0.21m³ bucket