



SY365H

Engine power

231kW/2100rpm

Bucket capacity

1.9 m³

Operating weight

39000kg

 Optimised efficient

 Stable foundation

 Security configuration



SANY HEAVY MACHINERY LTD

<http://www.sanyglobal.com>

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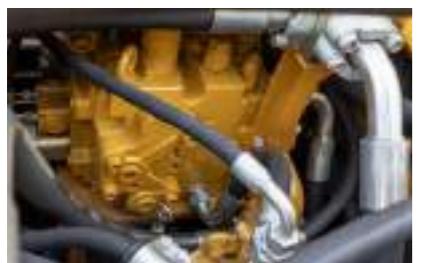


Strong power

▶ Engine

The engine is a Cummins QSL9, providing robust power and reliability.

Customized universal characteristics curve with large economical fuel consumption zone to achieve low fuel consumption.



▶ Main valve

Imported Cummins QSL9 engine, rated power 231kW, meets the requirements of medium to high-load operations.



▶ Main pump

Highly reliable high-displacement main pump with higher flow and speed. The pump operates within the engine's optimal fuel consumption range and the main pump's high volumetric efficiency zone, achieving high efficiency and low consumption.



▶ Filtration system

Standard oil bath air filtration system and two-stage fuel filtration system, equipped with a high-power radiator for enhanced adaptability to high temperature, heavy dust, and fuel quality.

Larger radiator with 10% increased water cooling capacity and 5% enhanced fuel cooling capability, easily handling high-temperature environment.

Air filtration system with a filtering efficiency of 99.9%. Equipped with an air filter block alarm, adaptable to heavy dust.

High-precision filtration of two-stage fuel filtration system, effectively filtering biodiesel and mineral diesel, and exhibiting strong adaptability to various fuel types.



High adaptability to high altitudes, power reduction not exceeding 30% at an altitude of 3,500 meters.

The main pump compartment is 30% larger, increasing the operational space for filter replacement by 20%.

The external air pre-filter replacement space is 30% larger than that of standard excavators, allowing for tool-free replacement.

Strengthened structure

The boom adopts a newly designed structure, having undergone multibody dynamics simulation and stress test, significantly improving strength and durability.

The front and rear support of the arm are made of forging, with the addition of wear-resistant ring and steel bushing, enhancing wear resistance and effectively extending the overall lifespan.



Safe and durable

More reliable mining tracks with a large cross-section high-strength frame offer long lifespan and optimal stability, along with flexible options for track rollers and tracks. The tracks are made using high-strength special steel with rolled three-tooth plates, providing better ground contact, higher stability, and greater durability.



Mine-type drain filter

As an industry first, the mine-type drain filter is designed to withstand harsh mining conditions, enhancing the cleanliness of hydraulic oil and significantly reducing hydraulic system failures.





Comfort and intelligence

Intelligent cab-The new SANY cab features Huaxing's brand-new intelligent central control system.ICC3.0. Incorporate automotive electronics technology, leading the industry in digital technological sense and operational convenience.

10-Inch touchscreen, Start/Stop engine button and multifunctional digital knob, bluetooth/WIFI/GPS, Equipment-Phone-Cloud, data interconnection, Intelligent service and big data platform system, Centralized power management, Fault detection and alarm, Intelligent debugging and diagnostics, Data logging.

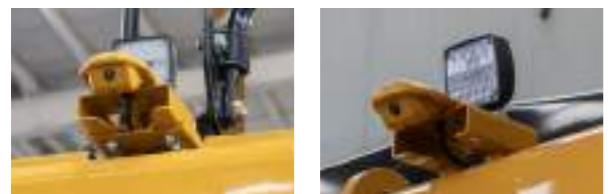


Safety protection



Cab safety net

The comprehensive safety package is completed by protective grilles on the roof and in the full section of the cab window.



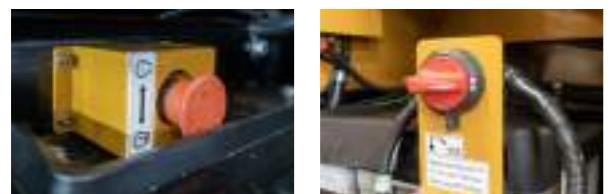
Two cameras

A rear camera and a side camera are installed as standard.



Lightning and horn

In poor lighting conditions, seven work spotlights provide excellent illumination.



Emergency stop switch and main power switch



Safety devices

Armrests, pedals, and non-slip relay coordination ensure both ease of use and safety.



left and right rearview mirror

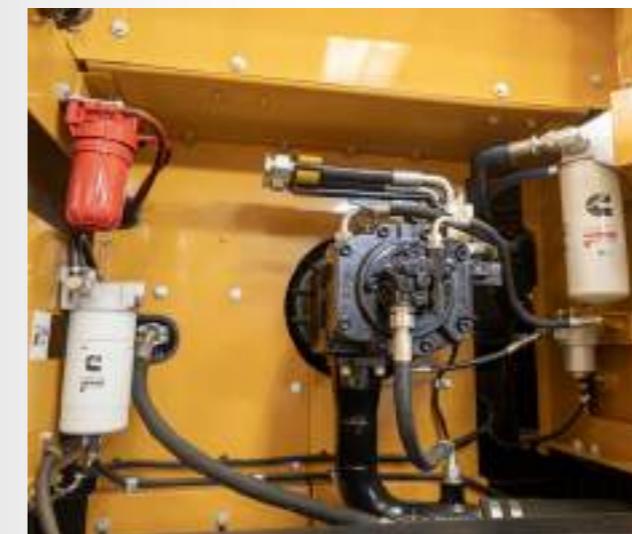
The ideally angled rearview mirror combined with the high clarity camera ensures zero blind spots.

Simplicity is key in maintenance

Centrally located filters for easier inspection and maintenance.

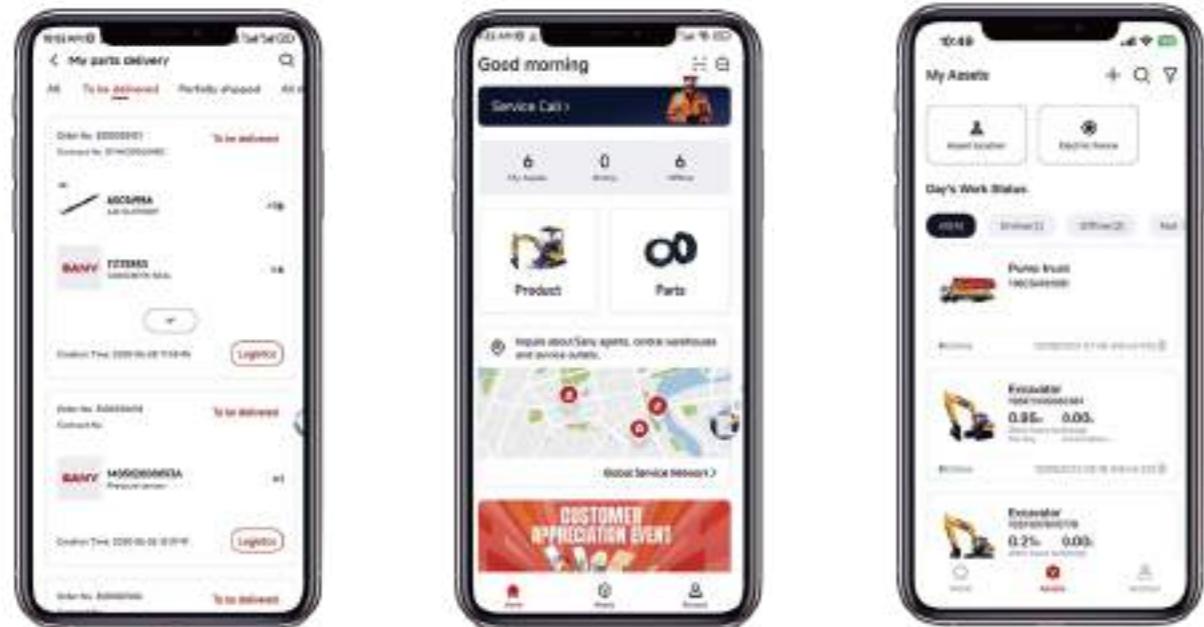
Intelligent maintenance reminder with real-time display of engine operation, maintenance, and alarm information on the screen.

Platform-based and modular design for key engine component, allowing for quick replacement of service parts.



MySANY APP

Easy use, quick response



Quick Parts Access

- View parts manuals
- View parts availability
- Check equipment & parts order status

Fleet Management

- Check equipment working condition
- Monitor equipment energy consumption
- Set up e-fence

Streamlined Service

- One-click to initiate service request
- Check global service network
- View local service team's phone number & email

Scan to download!



Complete research development and test system

It has established complete machine endurance test center with full functions. Each model of excavator must be subjected to over 2,000h field excavating test.

Key components like working device, cab and hydraulic components etc. must be subject to fatigue test over 800,000 times.



Advanced manufacturing technology

SANY has RGV assembling line and fullautomatic welding robots, and possesses high precision machining equipment and precise machining center.

SANY' s manufacturing and assembling lines won five-star national site in 2013 and national quality award in 2014.In 2023, SANY Mini Excavator Factory was awarded as the intelligent factory.



Technical specifications

Specification		Main performance	
Operating weight	39000 kg	Traveling speed (high/low)	5.5/3.5 (km/h)
Bucket capacity	1.9 m ³	Swing speed	8.8 rpm
Engine	Stage V	Gradeability	70% (35°)
Model	QSL9	Ground pressure	68 kPa
Type	Water-cooled, 4 cylinder, with commonrail and Adblue	Bucket digging force	235 kN
Engine power	231kW/2100rpm	Arm digging force	210 kN
Maximum torque	1526Nm/1400rpm		
Displacement	8.9 L		

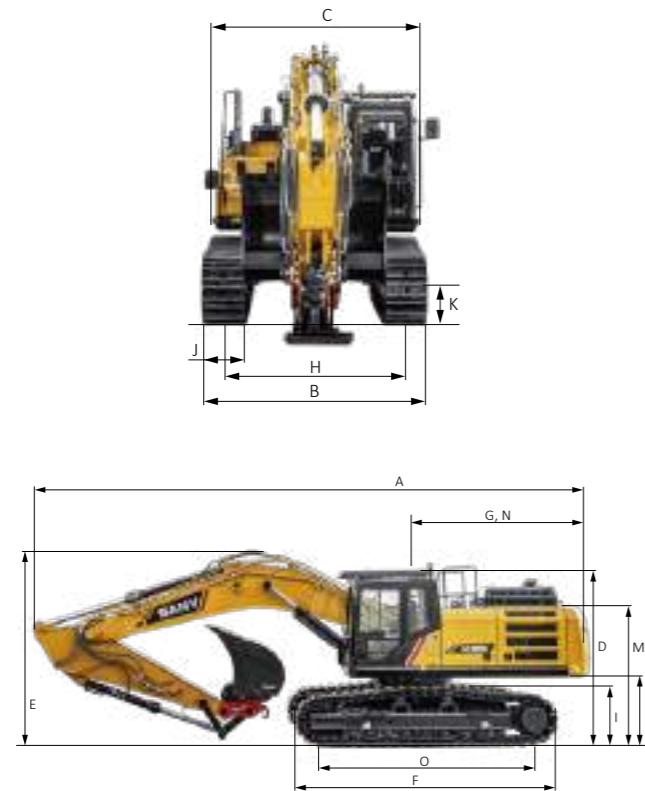
Oil type and coolant capacity		Traveling part	
Fuel tank	600 L	Number of track plates	49
Engine oil	36 L	Each carrier roller side	2
Radiator	31.5 L	Each thrust wheel side	9
Final drive	2x6.3 L	Standard track	600mm

Lifting capacity table

Table of lifting capacity										
		Boom -- 6500mm			Arm -- 3200mm					
Load point height	3.0m	4.5m		6.0m		7.5m		9.0m		The farthest distance
		7.5 m	kg	6.0 m	kg	7.5m	kg	9.0m	kg	
7.5 m	kg									*8533 *8533 *8541 *8541 7630
6.0 m	kg									*8682 *8682 *8443 6915 8555
4.5 m	kg									*13474 *13474 *10704 *10704 *9274 *9274 *8501 6200 *8485 6144 9050
3.0 m	kg									*16649 *16649 *12200 *12200 *10036 7887 *8803 6055 *8616 5746 9415
1.5 m	kg									*18708 15225 *13435 10250 *10719 7583 *9094 5904 *8807 5611 9340
Ground line	kg									*19126 14836 *14048 9911 *11097 7370 *9156 5802 *9026 5710 9120
-1.5 m	kg									*14875 *14875 *18412 14796 *13906 9788 *10965 7283 *9262 6118 8615
-3.0 m	kg									*22165 *22165 *16719 *16719 *12885 9854 *9986 7354 *9438 7024 7785
-4.5 m	kg									*17552 *17552 *13667 *13667 *10459 *10459 *9325 *9325 6525

Table of lifting capacity									
		Boom -- 6500mm			Arm -- 2600mm				
Load point height	3.0m	4.5m		6.0m		7.5m			
		7.5 m	kg	6.0 m	kg	7.5m	kg	11297	*11297
7.5 m	kg								
6.0 m	kg								
4.5 m	kg								
3.0 m	kg								
1.5 m	kg								
Ground line	kg								
-1.5 m	kg								
-3.0 m	kg								
-4.5 m	kg								

Machine dimensions



Overall dimensions (mm)	SY365H
A. Overall length (in transportation state)	11432
B. Overall width	3190/2990
C. Overall height (in transportation state)	3746
D. Upper width	2986
E. Overall height (cab top)	3440
F. Width of standard track plate	600/700/800
G. Track gauge	2590/2390
H. Minimum ground clearance	550
I. Slewing radius of tail	3461
J. Grounding length of track	4140
K. Track length	5065

Operation range (mm)	SY365H
A. Max. digging height	9906
B. Max. dumping height	7125
C. Max. digging depth	7448
D. Max. vertical digging depth	5125
E. Max. digging reach	10174
F. Min. swing radius	4540
G. Max. digging reach at ground level	8949

Standard configuration

Operations Comfort / Cabin	Working Equipment	Safety
Automatic air conditioning C/H*	• Integrated cooling box	• Boom and arm load holding valves with overload indicator
Radio and speaker	• 10-inch color display	• Double acting circuit for hydraulic quick coupler with piping
Armrests (adjustable)	• ROPS/FOPS cabin with front protection	• Breaker&Shear line proportional on Joystick with piping
12v outlets	• Rubber floor	• Rotation line on Joystick with piping
USB port (music)	•	• Rotation line proportional on Joystick with piping
Air-suspension	•	• Flow adjustment for attachments
Heated seat	•	• Pressure adjustment for attachments
Skylight openable	•	• Ram protection on both sides of the upper structure

Working Lights	Engine Compartment	Hydraulic system	CAB
Lights – front (LED)	• Auto idle	• Swing brake	• GPS (standard configuration) •
Lights – boom (LED)	• Fuel pump	• Two-speed	•
Lights – platform (LED)	• DPF	• Piping for additional hydraulic function AUX 1	•
Lights – back (LED)	• DOC	• Piping for additional hydraulic function AUX 2	•

• stands for standard configurations ○ stands for optional configurations