



# SY305CLC

**Rated power**  
209kW/2100rpm

**Bucket capacity**  
1.7 m<sup>3</sup>

**Total weight**  
32265kg

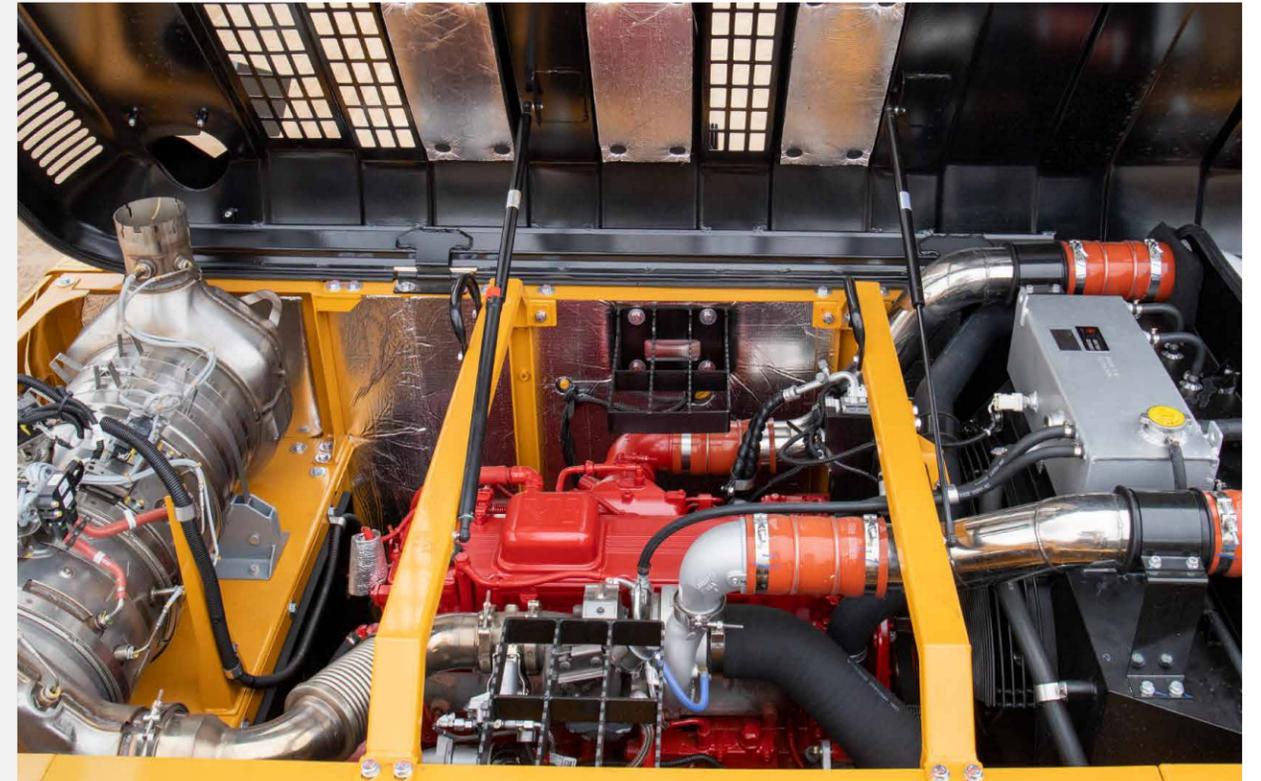


-  Strong power
-  Super long life
-  Low maintenance cost



SANY HEAVY MACHINERY LTD  
<http://www.sanyglobal.com>

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## Strong power

### ► Engine

Rely on the first-rate performance of the tried-and-tested 6-cylinder Cummins engine. Its power gives you the certainty of a high performance and also ensures minimal fuel consumption.

The drive unit made by Cummins not only embodies the highest degree of reliability, it also boasts innovative exhaust treatment.

In order to comply with Stage V emission standards, the unit operates with a combination of SCR and DPF technology.

The fact that the exhaust gas is not recirculated significantly increases efficiency, resulting in maximum productivity with minimal fuel consumption. Moreover, the unit has a more compact design because, among other things, additional cooling units are no longer required. This enables the package space to be kept clear for optimal visibility to the rear.



## Comfortable driving

The cab's insulation, which has been further optimised, provides the driver with increased protection from noise and dust.

This creates the conditions for more relaxed, fatigue free working thanks to the quieter and cleaner driver environment.

The new 10" touch screen integrated with Bluetooth, air conditioning and other functions combines technologies and intelligence. The control elements connected to the seat can be used to make any adjustment, further adding to the ergonomics and user experience.



# Top performance with maximum cost-effectiveness

## .01

### Components

The drive unit made by Cummins not only embodies the highest degree of reliability, it also boasts innovative exhaust treatment.

In order to comply with Stage V emission standards, the unit operates with a combination of SCR and DPF technology.



## .02

### Maintain and durable

All of the wear parts for the SANY SY305C have been designed to have a particularly long service life. The oil and fuel filters have long maintenance intervals and are positioned outside of the engine compartment. The dipstick, air filter and coolant level can be easily checked from the ground.



## .03

### Hydraulic system

The Kawasaki hydraulic system offers a high performance you can rely on.

It applies exactly the right hydraulic pressures required for your task.

The first and second proportional auxiliary lines are fitted ex-works as standard. Their pressure and power output per litre are individually adjustable. It is also very easy to save these values for each attachment device via the display menu and they can be quickly retrieved at any time.



## .04

### User experience

Everything under control the high resolution 10" touch display means that the operator has everything in reach.

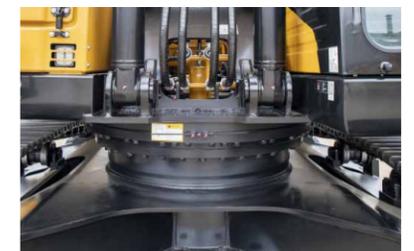
The display offers a clear overview and easy, intuitive menu navigation.



## .05

### Lasting quality

To ensure that SANY excavators can withstand these rigours in the long term, they are designed and produced with particular care. This includes incorporating clean piping and precisely positioned welded seams.



# Safety

## Good lighting for good visibility

If it starts to get dark, the machine has eight LED work spotlights which provide the best possible illumination.

The rear and side cameras transmit the images of the surrounding area to the high-resolution monitor as standard.

Another element for improved safety is the machine's maintenance platform. It has an anti-slip surface and non-slip handrail, which ensure a secure grip even in wet conditions.



LED lighting



Rearview camera



Warning Light



Side camera



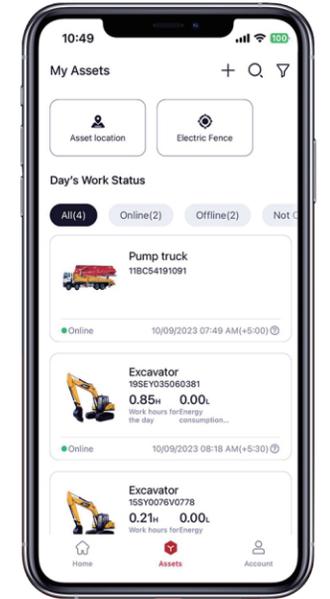
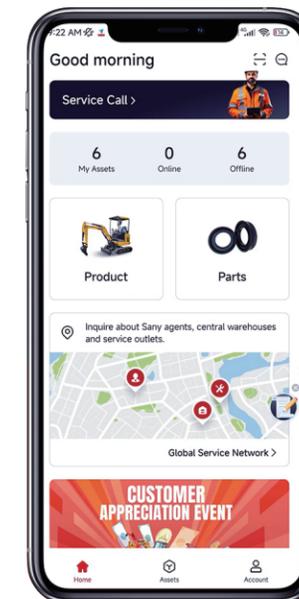
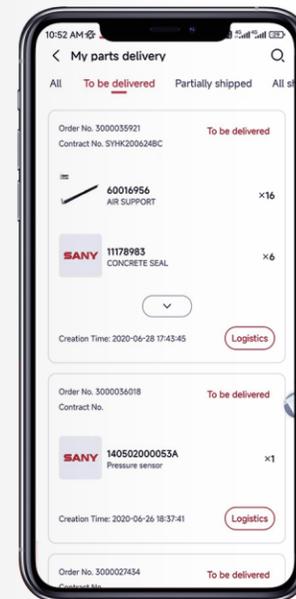
Armrest - platform



Anti-slip cover plate

# 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

SANY 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 full automatic 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.



# Convenient maintenance

## User experience

Easy to maintain and durable

All of the wear parts for the SANY SY305C have been designed to have a particularly long service life.

The oil and fuel filters have long maintenance intervals and are positioned outside of the engine compartment.

The dipstick, air filter and coolant level can be easily checked from the ground.



# Technical specifications

Specification		Performance	
Rated weight	32265 kg	Swingspeed	9 rpm
Model	CUMMINS QSL9-C280	Max. travel speed	High 5.2 km/h, slow 3.4 km/h
Type	Water-cooled, 6 cylinder, with commonrail and Adblue	Max. travel force	245 kN
Rated power	209 kW / 2100 rpm	Gradeability	35°
Maximum torque	1472 Nm / 1400 rpm	Bucket capacity	1.7 m³
Displacement	8900 ccm	Groundpressure	0.6 kg/cm²
Batteries	2x12 V	Bucket digging force ISO	204 kN
		Groundpressure	153 kN

Hydraulic system		Relief valve settings	
Mainpump	2 x variable piston pump with electronic positive control	Implement circuit	343 bar
Max. oilflow	2 x 280 L/min	Power boost	373 bar
Travelmotor	Variable displacement axial piston moto	Swing circuit	275 bar
Swingmotor	Axial-piston motor	Travle circuit	343 bar
Max. oilflow (AUX1)	500 l/min	Pilot pressure	39 bar

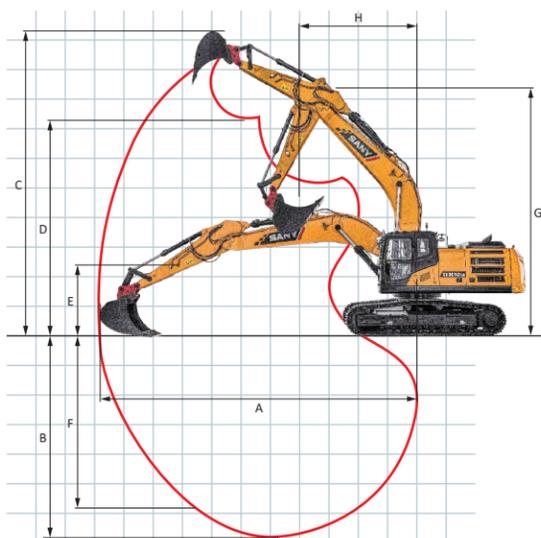
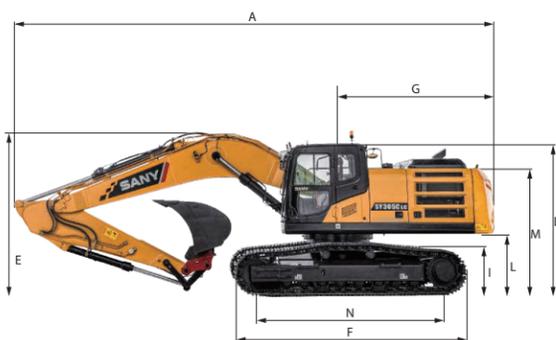
Service refill capacities		Under and upper structure	
Fuel tank	430 L	Boom length	6150 mm
Engine coolant	36 L	Arm length	3200 mm
Engine oil	21 L	Bottomrollers	9
Drive (per side)	105 L	Toprollers	2
Adblue	85 L	Rotation device	Planetary gear reducer driven by an axial piston motor, automatic hydraulic released slewing brake
Hydraulic oil tank	300 L		

# Table of lifting capacity

LIFTING CAPACITIES*												
Load point height		Radius								Max. digging reach		
		3.0m		4.5m		6.0m		7.5m		Capacity		
												mm
7.5m	kg									5796	5796	8954
6.0m	kg									5512	5308	7927
4.5m	kg					8777	8777	7440	5592	5478	4682	8525
3.0m	kg			13301	10813	10078	7211	7857	5460	5635	4368	8825
1.5m	kg			15494	10106	11268	6853	8500	5270	5736	4271	8860
0	kg			16368	9767	11989	6615	7696	5081	5894	4373	8631
-1.5m	kg	12939	12939	16113	9688	10261	6514	7544	4941	6396	4727	8118
-3.0m	kg	20377	20377	14864	9777	11298	6547	7479	4882	7514	5520	7257
-4.5m	kg	16297	16297	12257	10032	9079	6748	8597	4940	8765	7468	5892

\* at 600 mm track pads width

# Machine dimensions



Overall dimensions (mm)	SY305CLC
A. Transport length	10667
B. Transport width *	*2990 **3190
C. Upperstructure carriage	2986
D. Height over cabin/ROPS	3280
E. Height of Boom – transport	3470
F. Overall length of crawler	4840
G. Tail length	3315
H. Track gauge	*2390 **2590
I. Track height	1025
J. Track pads width	600 700 800
K. Min. ground clearance	470
L. Counterweigh clearance	1045
M. Engine cover height	2640
N. Tail swing radius	3916

\* at 600 mm track pads width

\*\* Wide undercarriage with 600 mm track pads width

Operation range (mm)	SY305CLC
A. Max. digging reach	10870
B. Max. digging depth	6815
C. Max. digging height	10497
D. Max. dumping height	7359
E. Min. dumping height	2450
F. Max. vertical digging depth	5800
G. Overall height over arm by min. swing radius	8405
H. Min. swing radius	4000

# Standard configuration

Operators comfort / cabine	Working equipment	Safety
Heater	• Boom and arm load holding valves with overload indicator	• Battery master switch
Automatic air conditioning C/H*	• Double acting circuit for hydraulic quick coupler with piping	• Travel alarm
Radio and speaker	• Breaker&Shear line proportional on Joystick with piping	• Warning beacon
Armrests (adjustable)	• Rotation line proportional on Joystick with piping	• Camera
Airsuspension seat	• Flow adjustment for attachments	• Side camera
Heated seat	• Pressure adjustment for attachments	• Handrails
Wiper		• Lockablge fuel cap
Sprayer f. wiper		
AUX 1 on Joystick		• Swing brake
AUX 2 on Joystick		• 2 speed travel
Joysticks independently from seat adjustable		• Piping for additional hydraulic function AUX 1
Sky light openable		• Piping for additional hydraulic function AUX 2
10" touchscreen display		• Fuel filler pump with automatic shut-off
		• Hydr. Pre-pressure operating joysticks
		• Switchover hammer valve in display
Undercarriage	Working lights	Engine
Steel tracks 600	• Lights – front (LED)	• Auto idle
Holes/loops for fixing	• Lights – boom (LED)	• DPF
HD Line	• Lights – platform (LED)	• SCR
	• Lights – back (LED)	

• stands for standard configurations ○ stands for optional configurations