

# SW305K5

Wheel loader

Subverting Fully

BRAND NEW 305K5

EFFICIENT AND VALUE ADDING

Leading Innovation Splendid SANY

Net Power:	Operating Weight:
116kW/158 hp	14,616 kg/32,222 lb
Bucket Capacity:	Full Turn Tipping Load:
2.4 m <sup>3</sup> / 3.2 yd <sup>3</sup>	7144 kg / 17,007 lb



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Note

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# SW305K



## Key features

### Wheel loader



#### Engine

Deutz TCD 6.1, max gross power 158hp, Europe V, offering 10% larger power.

#### Drive Train

ZF transmission , better performance, KD function.  
ZF wet-brake axles, LSD.

#### Rear view Camera

#### Hydraulic System

Load sensing hydraulics, Roxroth valves and pumps.

#### Ride Control

Bucket self-leveling and return to dig

#### Reversible fan

#### SANYLive Telematics

Single Joystick Control

3-Function Hydraulic



High reliability  
and convenient  
maintenance



Superior  
performance



AI intelligent  
management



Safety and  
comfortable

# Operator Environment



Operating control system

Cabin- Inside



Dashboard



Handrail, steps

Rear camera



Seat

## Driving comfort

- High grade interior, suspended seats, excellent shock absorption and noise reduction performance, let you have a more comfortable experience.
- Curtain, cigarette lighter, ashtray, water cup holder, document box and reading lamp are available.

# Serviceability



## Maintenance, within easy reach

### Convenient maintenance

- Large area panel opening mode is adopted. After opening, you can stand on the ground for daily maintenance and repair, which is convenient for maintenance and good accessibility.
- Air filter, primary fuel filter, secondary fuel filter, engine oil filter element and pilot filter element are within reach, which is very convenient for maintenance.
- Grease filling: the grease filling ports on the working device are centrally arranged, which can supply grease to inaccessible parts from a long distance, making lubrication and maintenance more convenient.



Hood-opening

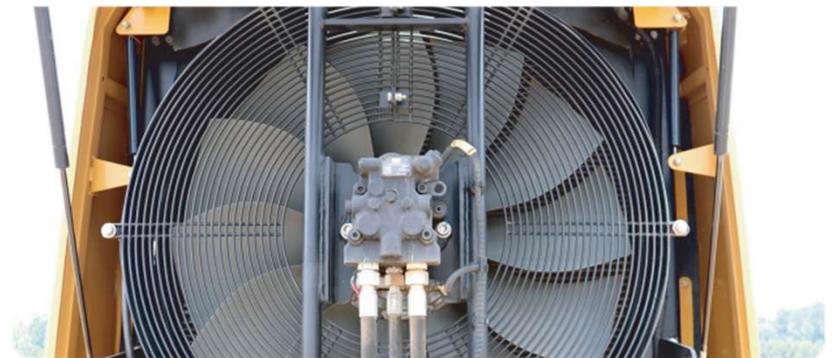


Operating changing filters point

Operator Greasing point

### Convenient maintenance

- Large new radiator: the external protective screen is specially set, and the dirt is blocked outside the protective screen. Just remove the protective screen for cleaning; Excellent heat dissipation capacity ensures that the engine will not be hot for a long time.



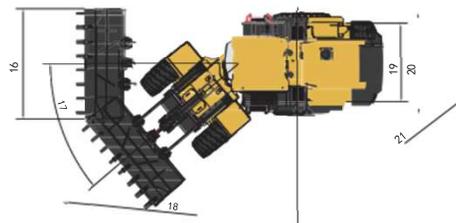
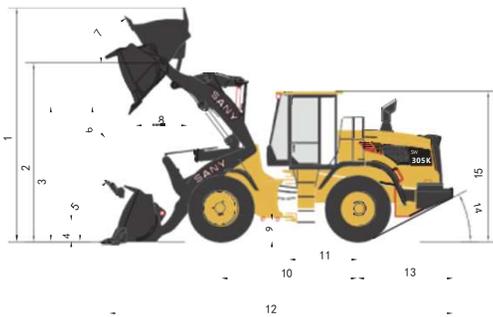
Reversible Fan



### 360°Panoramic Camera

High definition intelligent display, with a broader vision.

# Dimensions



Dimensions	(Company)	
1 Overall height with bucket at Mxaimum lift	mm	5226
2 Hinge pin height(fully raised)	mm	3845
3 Dump clearance(at45°-fully raised)	mm	2689
4 Hange pin height(at carry position)	mm	445
5 Roll back angle at carry position	°	49
6 Maximum dump angle ,fully raised	°	45
7 Roll back angle ,Boom fully raised	°	61
8 Dump reach(at 45°-fully raised)	mm	993
9 Ground Clearance	mm	407
10 Wheelbase	mm	3000
11 Length From centerline to Rear axle	mm	1520
12 Overall length,Bucket on Ground	mm	7518
13 Center Line Rear Axle to Edge of Counterweight	mm	1911
14 Departure Angle	°	28
15 Overall height(Rops cab)	mm	3405
16 Bucket width	mm	2545
17 Articulation Angle	°	40
18 Turning radius to outside of bucket	mm	5969
19 Tread	mm	2045
20 Width over tires	mm	2476
21 Minimum turning radius to outside of tires	mm	5382



# Specifications



Engine	
Deutz TCD 6.1 Europe V	
Max Gross Power	158hp
Max Gross Torque	750Nm
Displacement	6.1ltr

Transmission	
ZF transmission, Automatic, Manual , Kick-down	
Forward 1	4mph
Forward 2	9mph
Forward 3	17mph
Forward 4	24mph
Reverse 1	4mph
Reverse 2	9mph
Reverse 3	17mph

Service Refill Capacities	
Fuel Tank Size	227L
Cooling System	33L
Transmission	50L
Differentials and Final Drives – Front	34.8L
Differentials and Final Drives – Rear	34.8L
Hydraulic Tank	128.7L

Tires	
20.5 R25	

Hydraulic System	
Implement System Pump Type	Variable-displacement, axial-piston pump
Steering System Pump Type	Variable-displacement, axial-piston pump

Lift	5.2s
Tilt	1.3s
Lower, empty	3s
Total cycle time	9.5s

Steering System	
Description	Coaxial flow amplification, load sensing variable-displacement-system
Steering cylinders	2
Cylinder bore	70mm
Rod diameter	40mm
Stroke	508mm
Working pressure	21MPa
Maximum flow	60L/min
Maximum articulation	±40°

Sound	
Operator sound level	71DB
External sound level	100DB

Cab	
Certified ROPS/FOPS	

Brakes	
Dual brake pedals	



# Equipment



Std ● Opt ○ NA ×

## Engine

Engine make&model	Deutz TCD6.1
Emission standard	Europe Stage V
● Air pre-cleaner, cyclone type(turbo)	
× Air pre-cleaner, type) oil-bath type	
● Preheating of induction air	
× Engine block heater	
● Fuel pre-filter with water trap	
● Radiator,45°ambient temperature	
× Radiator,50°ambient temperature	
× Fuel heater	
× Radiator, corrosion-protected	
● Cooling fan regulated by temperature( Reversible functionality)	
× Rotation open fan	
● Engine start switch	
× Engine emergency cut off from ground level	
● P/E Patten	
● Auto idle shut down	
× Fuel fill pump	

## Drivetrain

Transmission make	ZF
● Automatic power shift(Torque Converter)	
× T/C Lock-up	
× Shift pattern & manual	
● Gear-select lever(steering-column)	
● Clutch-cutoff select switch	
● Brake pedal, Hydraulic	
× Brake pedal, electro-hydraulic	
× Speed limiter	
● Indicator glass for transmission oil level	
● Transmission oil filter replace, on ground	
× Dry disc brake axle make&model	

Wet disc brake axle make	ZF
● Front axle differential lock, 100% manual	
× Front/rear axle LSD	
× Wheel/axle seal guards	
× Axle oil cooler	
Tyres make&model	

## Hydraulic system

× Fixed displacement	
× Fixed&variable displacement	
● Variable displacement, load-sensing	
× Hydraulic single-lever joystick (FNR)	
× Hydraulic 2 levers, fingertip	
× Electro-hydraulic single-lever joystick (FNR+KD)	
● Electro-hydraulic single-lever joystick (FNR+KD+3rd function roller)	
× Electro-hydraulic 2 levers, fingertip	
● Hydraulic quick coupler lines+button	
■ Hydraulic 3rd function	
× Hydraulic 4th function	
● Automatic boom kick-out	
● Automatic bucket positioner	
● Boom suspension system	
● Boom down,engine shut down	
● Indicator glass for hydraulic oil level	

## Steering system

● Large displacement steering valve	
× Flow amplifying steering valve	
● Wheel steering	
× Joystick steering	
× Steering hydraulic buffer	
× Secondary steering	

## Main pump

Make	Rexroth
Displacement	100ml

## Main valve

Make	Rexroth
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## Brake system

Make	Mico
Single circuit	
● Dual circuit	
Single brake pedals	
● Dual brake pedals	
Parking brake, pneumatic control	
● Parking brake, electro-hydraulic	

## Frame

● Cast iron counterweight	
● Steering rubber buffer	
Rear crash barrier	

## Linkage system

● Z-Bar	
× TP-linkage	
● Bucket(Cutting edge in three sections, bolt-on)	
× Side-dump	
● Quick coupler	
× (ISO)Quick coupler	
× Automatic lubrication system	

# Equipment



Std ● Opt ○ NA ×

## Covers

- Side open metal hood
- × Back-turning composite hood
- Half covered rear fenders
- × Full covered rear fenders
- × Cab roof, heavy-duty
- × Windshield guard

## Cab

- ROPS/FOPS
- Mechanical suspension seat, follow-up adjustable armrest box
- Air-suspension, heated seat, follow-up adjustable armrest box
- Air-suspension, heated seat, follow-up adjustable armrest box
- (SAE J386) Retractable seat-belt
- Intake filter
- Auto control air conditioning
- Adjustable steering column
- × Tilt/Telescopic steering wheel
- Left side window
- × Rear defroster
- Reading light
- Outside (2) and inside (1) rearview mirrors
- × Heated outside mirrors
- × Rear-view camera
- Panoramic camera
- Radio US with USB

- Convenient 12-volt port
- Emergency hammer
- × Fire Extinguisher
- × Fire Extinguisher
- Cup holder
- 1 Number of container
- Document holder
- Sun blinds, front windows
- × Sun blinds, rear windows
- × Sun blinds, side windows
- Rubber floor mat

## Electrical system

- Twin front headlights with high and low beams
- Work lights (2 front)
- Turn signals with flashing
- Battery main switch
- Reverse warning alarm
- Warning beacon
- Electric horn
- Indicator light: Reversal cooling fan
- Windshield wipers front and rear
- Interlock: engage gear, start engine
- Coded start
- License plate holder, lighting
- × Fire suppression system

## Monitoring system

- US GPS (Navman)
- × EU GPS
- Monitoring and logging of machine data
- Maintenance cycle enquiry
- Main device code monitoring
- Engine coolant temperature, level, warning
- Transmission oil temperature, warning
- Engine oil pressure, warning
- Hydraulic oil temperature, warning
- Fuel gauge
- Hour meter
- Engine rpm
- Speedometer
- Voltmeter
- Brake oil pressure, warning
- DEF level

## Others

- × Waste handler
- × Environmental drains and sample ports (engine, transmission, hydraulic oils, and engine coolant)
- Decals NA
- Decals EU
- Declaration
- Manuals - NA, English
- × Manuals - EU, English



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