

SW305K Wheel loader



● Net Power:
117.8kW/158 hp

● Operating Weight:
14,616 kg/32,222 lb

● Bucket Capacity:
2.29 m³ /3.2 yd³

● Full Turn Tipping Load:
7144 kg / 17,007 lb

QUALITY CHANGES THE WORLD

SW305K



Key features

Wheel loader



Engine

Deutz TCD 6.1, max gross power 184hp, Tier 4 Final, offering 10% larger power.

Power-train

ZF transmission 4WG200, better performance, KD function. ZF wet-brake axles, LSD.

Rear view Camera

Hydraulics

Load sensing hydraulics, Roxroth valves and pumps.

Ride Control

Bucket self-leveling and return to dig.

Reversible fan

SANYLive Telematics

Single Joystick contro

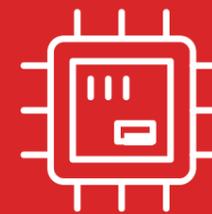
3rd Function Hydraulic



High reliability and convenient maintenance



superior performance



AI intelligent management



Safety and Comfortable

Operator Environment



Operating control system

Cabin- Inside

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

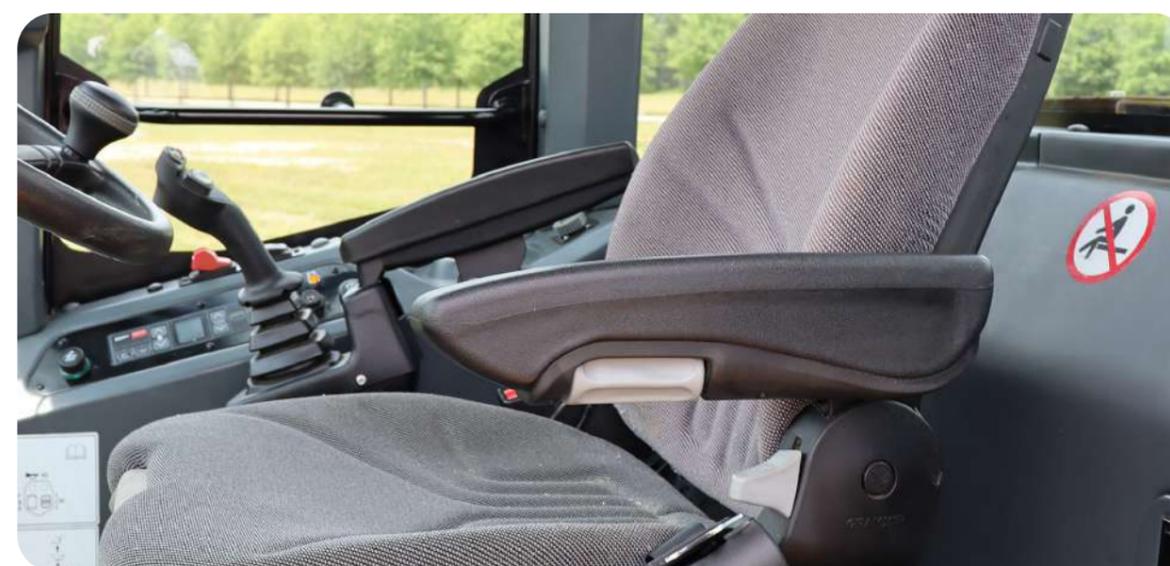


Dashboard



Handrail, steps

Rear camera



Seat

Serviceability



o 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

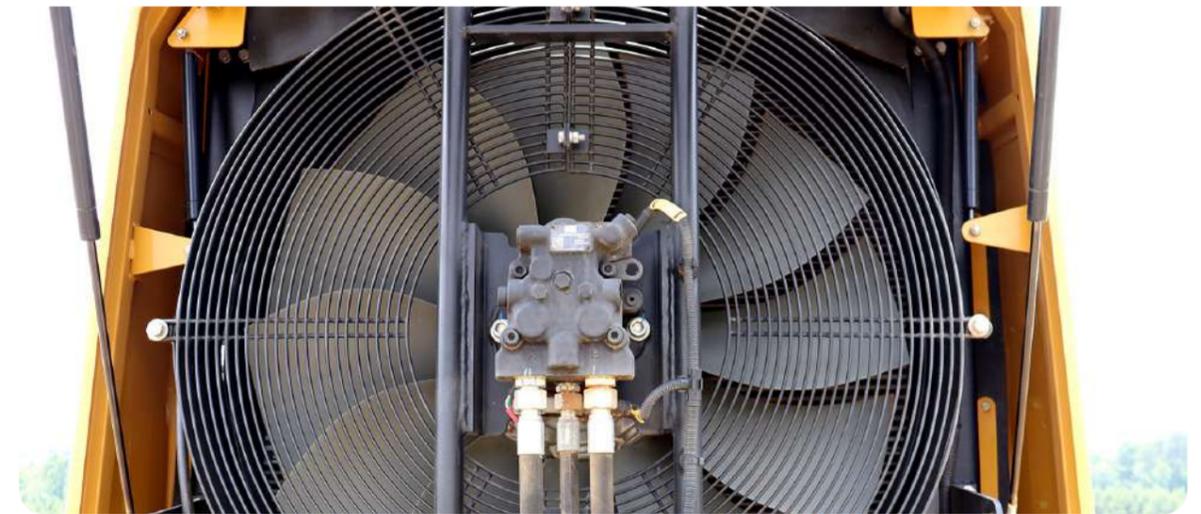


Operating changing filters

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
- High definition intelligent display, with a broader vision.

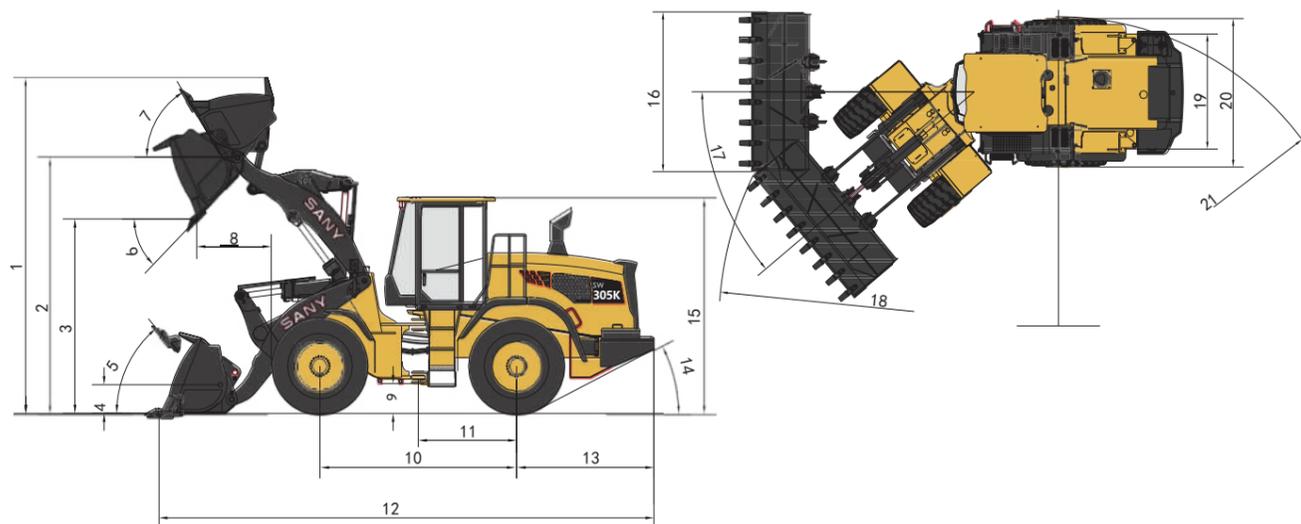


Revers able fan



SANYLive Telematics

Dimensions



Dimensions	(Company)	
1 Max. Height(fully raised)	mm	5226
2 Hinge Pin Height at Max.Lift	mm	3845
3 Dump Clearance Maximum Lift	mm	2689
4 B-Pin Height Carry	mm	445
5 Roll Back at Carry Height	°	49
6 Dump Angle Maximum Lift	°	45
7 Rack Back Maximum Lift	°	61
8 Reach at Max .Lift and 45 Discharge	mm	993
9 Ground Clearance	mm	407
9 centerLine of Rear Axle to Hitch	mm	1520
10 wheelbase	mm	3000
11 Height to Center Line of Axle	mm	695
12 shipping Length with Bucket	mm	7518
13 center Line of Rear axle to Edge of Counterweight	mm	1911
14 Tail Angle to the Rear Wheel	°	28
15 Height to lop of ROPS	mm	3405
16 wiath of the Bucket	mm	2545
17 Articulation Angle	°	40
18 Max.Circle	mm	5969
19 width	mm	2045
20 outside the Tire Width	mm	2476
21 clearance Circle to Outside of Tires	mm	5382



Specifications

Engine	
Deutz TCD 6.1 Tier 4 Final	
Max Gross Power	184hp
Max Gross Torque	634ft lbs
Displacement	6.1ltr

Transmission	
ZF tranmission, 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

Cycle times	
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	T4f/Stage IV
Air pre-cleaner, cyclone type(turbo type)	●
Air pre-cleaner, 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 (重载/经济) P/E Patten	●
Auto idle shut down	●
Fuel fill pump	×
Drivetrain	
Transmission make&model	ZF 4WG190
Hydrostatic Transmission	
Constantly Variable Transmission	
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&model	MT-L3085II-FA MT-L3085II-RA
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
Model	A10VO100DRS/53R-VSD12K01
Displacement	100ml
Main valve	
Make	Rexroth
Model	M6-1557-30/3M6-22W
Brake system	
Make	Mico
Model	GL87-015-069
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 Full covered rear fenders	×
Cab roof, heavy-duty Cab roof, heavy-duty	×
Windshield guard	×
Cab	
ROPS/FOPS	●
Mechanical suspension seat, follow-up adjustable armrest box	●
Air-suspention,heated seat, follow-up adjustable armrest box Air-suspention, heated seat, follow-up adjustable armrest box	○
(SAE J386)Retractable seat-belt	●
Intake filter	●
Auto control air conditioning	●
Adjustable steering column	●
Tiltable/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	●
Number of container	1
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	●
Batter 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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