

# WHEEL LOADER

# SW305K

## STANDARD FEATURES

- ➔ Powerful Deutz Engine
- ➔ Z-Bar Linkage
- ➔ QC Plumbing for Quick Coupler
- ➔ Third Function Hydraulics
- ➔ EH Joystick
- ➔ Reversible Fan

**163 hp**

Net Power

**3.2 yd<sup>3</sup>**

Bucket Capacity

**31,967 lbs**

Operating Weight

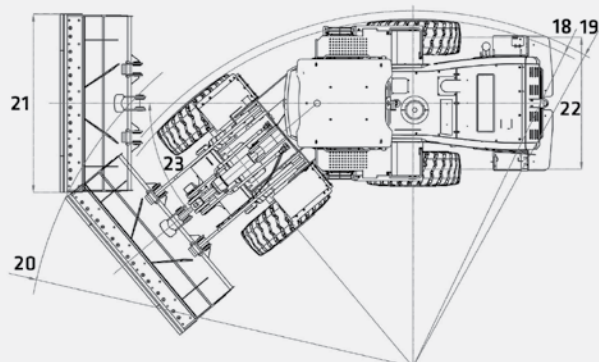
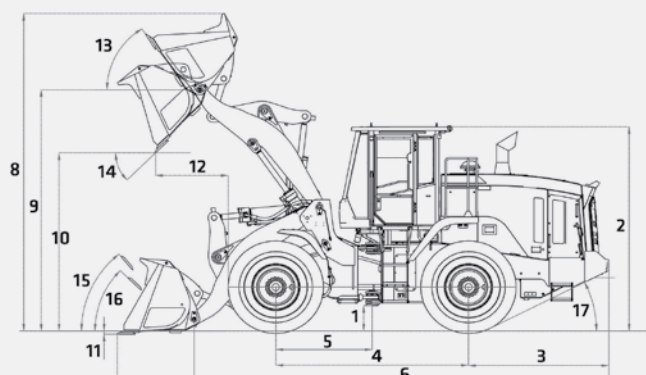
**19,619 lbs**

Straight Turn Tipping Load

**17,006 lbs**

Full-Turn Tipping Load

## DIMENSIONS



## DIMENSIONS

1	Ground Clearance	1' 4"	407 mm
2	Height to Top of Cab	11' 2"	3 405 mm
3	Center Line of Rear Axle to Edge of Counterweight	6' 3"	1 911 mm
4	Wheelbase	9' 10"	3 000 mm
5	Center Line of Front Axle to Center Pivot	4' 10"	1 480 mm
6	Shipping Length without Attachment	20' 5"	6 226 mm
7	Shipping Length with Bucket	24' 8"	7 518 mm
8	Max. Dump Height	17' 2"	5 226 mm
9	Hinge Pin Height at Max. Lift	12' 7"	3 845 mm
10	Dump Clearance at Max. Lift	8' 10"	2 689 mm
11	Dig Depth, Level Bucket	4.8"	122 mm
12	Reach at Max. Lift and 45° Discharge	3' 5"	1 038 mm
13	Roll Back at Max. Lift	61°	
14	Dump Angle at Max. Lift and Dump	45°	
15	Roll Back at Carry Height	49°	
16	Roll Back at Ground	42°	
17	Tail Angle to the Rear Wheel	28°	
18	Clearance Circle to Outside of Tires	17' 8"	5 382 mm
19	Clearance Circle to Counterweight	17' 7"	5 365 mm
20	Max. Circle	19' 7"	5 969 mm
21	Width	6' 9"	2 045 mm
22	Articulation Angle	+/-40°	

s = standard / o = optional

SW305 ENGINE	
s	Tier IV Final certified
s	Keyless start
s	Engine emergency stop (in cab)
s	Power and economy mode
s	Engine preheater
s	Automatic hydraulic reversible fan
s	Dual element air filter
POWER TRAIN	
s	Gear selector lever (steering-column)
s	Fully automatic shifting 4F - 3R
s	Automatic transmission kick down
s	Clutch-cutoff
s	Service brake, 4-wheel, wet-type, hydraulic brake
s	Parking brake, electronically controlled, hydraulic caliper disc brake
s	Differential lock front axle (manual)
HYDRAULIC	
s	Quick coupler
s	Quick coupler plumbing
s	Full variable load-sensing system with steering priority
s	Single-lever EH joystick with FNR+KD+horn+3rd function proportional control with detent
s	Dual brake pedals
s	3rd function valve
s	Hydraulic quick coupler lines
s	Ride control system
s	Bucket kick-out
s	Bucket level indicator
s	Real time bucket height read out via display
s	Bucket self-leveling and return to dig

s = standard / o = optional

SW305 CABIN	
s	Cab with ROPS / FOPS certification
s	Emergency hammer
s	Rear mirrors, outside heated(2), inside(1)
s	Sun visor, front window
s	Air-suspension seat (cloth, heated)
s	Seat Belt, 2" retractable
s	Armrest adjustable in multiple directions
s	360° view camera with dedicated monitor
s	7" smart color display
s	Rear window defrost
s	Auto air conditioner
ELECTRICITY	
s	Battery disconnect switch
s	24V system, 2 x 12V batteries 120Ah
s	Converter kit with 12V auxiliary power outlet
s	AM/FM Bluetooth® radio with USB port
s	Back up alarm
s	Travel acoustic alarm
s	Travel strobe light alarm
s	Cab mounted LED work light package (dual front & rear)
s	Dual maintenance free batteries rated @ 950 cca
s	Alternator 120 Amp
s	12V cab converter
OTHER	
s	Tires: 20:5R25 L3 Radial (3 piece rim)
s	3.2 yd bucket
s	Front and rear steel fenders
s	Liftarm locking bar
s	Articulation locking bar
s	Drawbar hitch

# PRODUCT SPECIFICATIONS WHEEL LOADER ||| SW305K

## MACHINE PARAMETERS

### WEIGHT

Operating Weight	31,967 lbs	14 500 kg
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### ENGINE

Deutz TCD6.1

Max Gross Power	181 hp	135 kW
Net Engine Power	163 hp	122 kW
Max Gross Torque	649 lbs ft	880 Nm
Displacement	372 in <sup>3</sup>	6.1 L

### OPERATING

Bucket Capacity	3.2 yd <sup>3</sup>	2.3 m <sup>3</sup>
Breakout Force	27,652 lbf	123 kN
Tipping Load Straight	19,619 lbs	8 899 kg
Tipping Load @ Full Turn	17,006 lbs	7 714 kg
Clearance (full lift 45° dump)	8' 10"	2 689 mm
Reach (full lift 45° dump)	3' 5"	1 038 mm

### HYDRAULIC SYSTEM

Max Flow	58 GP	220 LPM
Max Pressure	3,916 PSI	

### HYDRAULIC CYCLE TIMES

Raise	5.6 sec
Dump	1.6 sec
Float Down	3.2 sec
Total Cycle Time	10.4 sec

### SERVICE CAPACITIES

Fuel Tank	60 gal	227 L
Cooling System	8.7 gal	33 L
Engine Crankcase	4.1 gal	15.5 L
Transmission	14.5 gal	55 L
Front Axle	9.2 gal	34.8 L
Rear Axle	9.2 gal	34.8 L
Hydraulic Tank	34 gal	128.7 L
DEF Tank	2.6 gal	10 L

### TRANSMISSION

Shift Modes	Automatic, Manual, Kick Down
Forward Gear 1-4	4-25 mph
Reverse Gear 1-3	4-17 mph

### POWER TRAIN

Front Axle	Fixed
Traction Aid	Manual Differential Lock
Rear Axle	Oscillating
Traction Aid	Open Differential
Service Brakes	Wet Disc
Parking Brake	Disk Brake
Tires	20:5R25 L3 Radial



# SANY



\*Warranty applies to 2023 Excavator and Wheel Loader models only