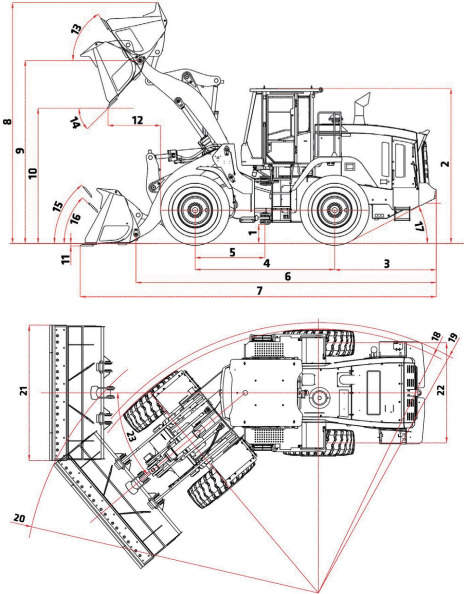


PRODUCT SPECIFICATIONS



SANY SW305K5 WHEEL LOADER



OVERALL DIMENSIONS

	Standard Boom	Long Boom
1 Ground Clearance	407 mm (1' 4")	407 mm (1' 4")
2 Height to Top of Cab	3405 mm (11' 2")	3405 mm (11' 2")
3 Center Line of Rear Axle to Edge of Counterweight	1911 mm (6' 3")	1911 mm (6' 3")
4 Wheelbase	3000 mm (9' 10")	3000 mm (9' 10")
5 Center Line of Front Axle to Center Pivot	1480 mm (4' 10")	1480 mm (4' 10")
6 Shipping Length without Attachment	6226 mm (20' 5")	6993 mm (22' 11.3")
7 Shipping Length with Bucket	7518 mm (24' 8")	8281 mm (27' 2")
8 Max. Dump Height	5226 mm (17' 2")	5916 mm (19' 4.9")
9 Hinge Pin Height at Max. Lift	3845 mm (12' 7")	4500mm (14' 9.1")
10 Dump Clearance at Max. Lift	2689 mm (8' 10")	3419mm (11' 2.6")
11 Dig Depth, Level Bucket	122 mm (4.8")	122 mm (4.8")
12 Reach at Max. Lift and 45° Discharge	1038 mm (3' 5")	1284mm (4' 2.5")
13 Roll Back at Max. Lift	61°	61°
14 Dump Angle at Max. Lift and Dump	45°	45°
15 Roll Back at Carry Height	49°	49°
16 Roll Back at Ground	42°	42°
17 Tail Angle to the Rear Wheel	28°	28°
18 Clearance Circle to Outside of Tires	5382 mm (17' 8")	5382 mm (17' 8")
19 Clearance Circle to Counterweight	5365 mm (17' 7")	5365 mm (17' 7")
20 Max. Circle	5969 mm (19' 7")	6349 mm (20' 10")
21 Width Of Bucket	2545 mm (8' 4.2")	2545 mm (8' 4.2")
22 Width	2045 mm (6' 9")	2045 mm (6' 9")
23 Articulation Angle	+/-40°	+/-40°

WEIGHT

Standard Boom	
Operating Weight	14,500 kg (31,967 lbs)
Long Boom	
Operating Weight	14,900 kg (32,849 lbs)

ENGINE

Standard Boom / Long Boom	
Manufacturer and Model	Deutz TCD 6.1
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V
Cylinders	6
Displacement	6.1 L (372 cu. In.)
Rated Engine Power	129 kW (173 hp)
Max Gross Torque	880 Nm (649 lbs. -ft.)

TRANSMISSION

Standard Boom / Long Boom	
Manufacturer and Model	ZF 4WG190
Type	Countershaft, Power shift
Shift Modes	Automatic, Manual, Kick Down
Forward Gear 1-4	4-25 mph
Reverse Gear 1-3	4-17 mph

AXLES/BRAKES & TIRES

Standard Boom / Long Boom	
Manufacturer (Front / Rear)	ZF / ZF
Front Axle	Fixed
Front Axle (Differential)	Manual Locking Differential
Rear Axle	Oscillating
Rear Axle (Differential)	Open Differential
Service Brakes	Wet Disc
Parking Brake	Disk Brake
Tires	20.5R25 L3 Radial

HYDRAULIC SYSTEM & STEERING

Standard Boom / Long Boom	
Manufacturer	Hengli (SANY Optimized)
Max Flow	220 L/min (58 gpm)
Max Pressure	28,000 kPa (4,061 psi)
Loader Controls	Joystick Electric-over-hydraulic
Auxiliary Hydraulics	3rd Function Standard
Steering Type	Hydraulic articulated
Articulation Angle	+/- 40 deg.

SERVICE CAPACITIES

	Standard Boom	Long Boom
Fuel Tank	225 L (59.4 gal)	225 L (59.4 gal)
Cooling System	33L (8.7 gal)	33L (8.7 gal)
Engine Crankcase	15.5L (4.1 gal)	15.5L (4.1 gal)
Transmission	55L (14.5 gal)	55L (14.5 gal)
Front Axle	34.8L (9.2 gal)	34.8L (9.2 gal)
Rear Axle	34.8L (9.2 gal)	34.8L (9.2 gal)
Hydraulic Tank	128.7L (34 gal)	128.7L (34 gal)
DEF Tank	10L (2.6 gal)	10L (2.6 gal)

ELECTRICAL

	Standard Boom	Long Boom
Electrical system	24 volt	24 volt
Battery (Model)	6-QW-120	6-QW-120
Battery (Voltage)	12 Volt	12 Volt
Battery (Quantity)	2	2
Battery (Capacity)	120 Ah	120 Ah
Battery (Cold Cranking Amps)	680 Amp	680 Amp

HYDRAULIC CYCLE TIMES

	Standard Boom	Long Boom
Raise	5.6 sec	5.4 sec
Dump	1.6 sec	1.1 sec
Float Down	3.2 sec	3.3 sec
Total Cycle Time	10.4 sec	9.8 sec

OPERATING CAPACITY

	Standard Boom	Long Boom
Bucket Capacity (Heaped)	2.3 m ³ (3.2 yd ³)	2.3 m ³ (3.2 yd ³)
Breakout Force	123 kN (27,652 lbf)	112 kN (25,178 lbf)
Tipping Load Straight	8899 kg (19,619 lbs)	6985 kg (15,399 lbs)
Tipping Load @ Full Turn	7714 kg (17,006 lbs)	6013 kg (13,256 lbs)
Hinge Pin Height (max lift)	3845 mm (12' 7")	4500mm (14' 9.1")
Clearance (max lift 45° dump)	2689 mm (8' 10")	3419mm (11' 2.6")
Reach (max lift 45° dump)	1038 mm (3' 5")	1284mm (4' 2.5")

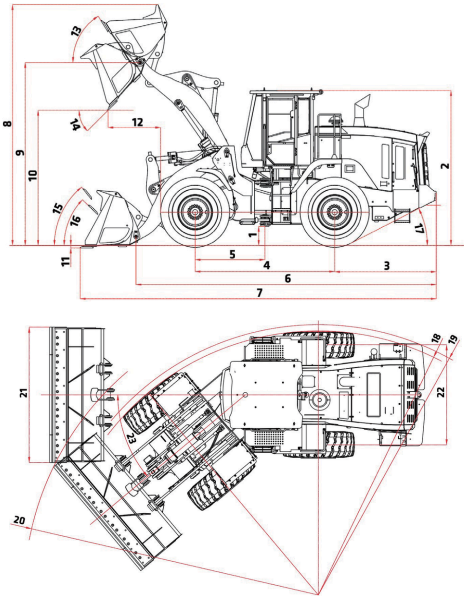
In the interest of continual development, SANY reserves the right to change these specifications at any time without prior notification.



PRODUCT SPECIFICATIONS



SANY SW305K5 & 405K5 WHEEL LOADERS



DIMENSIONS	SW305	SW405
	Standard Boom	Standard Boom
1 Ground Clearance	407 mm (1' 4")	430 mm (1' 5")
2 Height to Top of Cab	3405 mm (11' 2")	3580 mm (11' 9")
3 Center Line of Rear Axle to Edge of Counterweight	1911 mm (6' 3")	2335 mm (7' 8")
4 Wheelbase	3000 mm (9' 10")	3200 mm (10' 6")
5 Center Line of Front Axle to Center Pivot	1480 mm (4' 10")	1600 mm (5' 3")
6 Shipping Length without Attachment	6226 mm (20' 5")	7040 mm (23' 1")
7 Shipping Length with Bucket	7518 mm (24' 8")	8180 mm (26' 10")
8 Max. Dump Height	5226 mm (17' 2")	5415 mm (17' 9")
9 Hinge Pin Height at Max. Lift	3845 mm (12' 7")	4145 mm (13' 7")
10 Dump Clearance at Max. Lift	2689 mm (8' 10")	3100 mm (10' 2")
11 Dig Depth, Level Bucket	122 mm (4.8")	30 mm (0' 1")
12 Reach at Max. Lift and 45° Discharge	1038 mm (3' 5")	1185 mm (3' 11")
13 Roll Back at Max. Lift	61°	58°
14 Dump Angle at Max. Lift and Dump	45°	45°
15 Roll Back at Carry Height	49°	50°
16 Roll Back at Ground	42°	45°
17 Tail Angle to the Rear Wheel	28°	27°
18 Clearance Circle to Outside of Tires	5382 mm (17' 8")	5635 mm (18' 6")
19 Clearance Circle to Counterweight	5365 mm (17' 7")	5911 mm (19' 5")
20 Max. Circle	5969 mm (19' 7")	6465 mm (21' 3")
21 Width Of Bucket	2545 mm (8' 4.2")	3015 mm (9' 11")
22 Width	2045 mm (6' 9")	2200 mm (7' 3")
23 Articulation Angle	+/-40°	+/-40°

WEIGHT	SW305	SW405
	Standard Boom	Standard Boom
Operating Weight	14,500 kg (31,967 lbs)	18,500 kg (40,786 lbs)
	Long Boom	-
Operating Weight	14,900 kg (32,849 lbs)	-

ENGINE	SW305	SW405
	Standard & Long Boom	Standard Boom
Manufacturer and Model	Deutz TCD 6.1	Deutz TCD 7.8
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Final Tier 4/EU Stage V
Cylinders	6	6
Displacement	6.1 L (372 cu. in.)	7.8 L (476 cu. in.)
Rated Engine Power	129 kW (173 hp)	170 kW (228 hp)
Max Gross Torque	880 Nm (649 lbs. -ft.)	1308 Nm (965 lbs. -ft.)

TRANSMISSION	SW305	SW405
	Standard & Long Boom	Standard Boom
Manufacturer and Model	ZF 4WG190	DANA TEZL18
Type	Countershaft, Power shift	Countershaft, Power shift
Shift Modes	Automatic, Manual, Kick Down	Automatic, Manual, Kick Down
Forward Gear 1-4	4-25 mph	4-25 mph
Reverse Gear 1-3	4-17 mph	4-16 mph

AXLES/BRAKES & TIR	SW305	SW405
	Standard & Long Boom	Standard Boom
Manufacturer (Front / Rear)	ZF / ZF	DANA / DANA
Front Axle	Fixed	Fixed
Front Axle (Differential)	Manual Locking Differential	Manual Locking Differential
Rear Axle	Oscillating	Oscillating
Rear Axle (Differential)	Open Differential	Open Differential
Service Brakes	Wet Disc	Wet Disc
Parking Brake	Disk Brake	Disk Brake
Tires	20.5R25 L3 Radial	23.5R25 L3 Radial

HYDRAULIC SYSTEM	SW305	SW405
	Standard & Long Boom	Standard Boom
Manufacturer	Hengli (SANY Optimized)	Hengli (SANY Optimized)
Max Flow	220 L/m (58 gpm)	308.6 L/m (81 gpm)
Max Pressure	28,000 kPa (4,061 psi)	28,000 kPa (4,061 psi)
Loader Controls	Joystick Electric-over-hydraulic	Joystick Electric-over-hydraulic
Auxiliary Hydraulics	3rd Function Standard	3rd Function Standard
Steering Type	Hydraulic articulated	Hydraulic articulated
Articulation Angle	+/- 40 deg.	+/- 40 deg.

SERVICE CAPACITIES	SW305	SW405
	STD + Long Boom	Standard Boom
Fuel Tank	225 L (59.4 gal)	300L (79.3 gal)
Cooling System	33L (8.7 gal)	43L (11.4 gal)
Engine Crankcase	15.5L (4.1 gal)	23L (6.1 gal)
Transmission	55L (14.5 gal)	35L (9.2 gal)
Front Axle	34.8L (9.2 gal)	28L (7.4 gal)
Rear Axle	34.8L (9.2 gal)	28L (7.4 gal)
Hydraulic Tank	128.7L (34 gal)	290L (76.6 gal)
DEF Tank	10L (2.6 gal)	20L (5.3 gal)

ELECTRICAL	SW305	SW405
	STD + Long Boom	Standard Boom
Electrical system	24 volt	24 volt
Battery (Model)	6-QW-120	6-QW-120
Battery (Voltage)	12 Volt	12 Volt
Battery (Quantity)	2	2
Battery (Capacity)	120 Ah	120 Ah
Battery (Cold Cranking Amps)	680 Amp	680 Amp

HYDRAULIC CYCLE TIME	SW305	SW405
	Standard Boom	Standard Boom
Raise	5.6 sec	5.4 sec
Dump	1.6 sec	1.9 sec
Float Down	3.2 sec	3.3 sec
Total Cycle Time	10.4 sec	10.6 sec

OPERATING CAPACITY	SW305	SW405
	Standard Boom	Standard Boom
Bucket Capacity (Heaped)	2.3 m ³ (3.2 yd ³)	3.2 m ³ (4.2 yd ³)
Breakout Force	123 kN (27,652 lbf)	180 kN (40,466 lbf)
Tipping Load Straight	8899 kg (19,619 lbs)	14500 kg (31,967 lbs)
Tipping Load @ Full Turn	7714 kg (17,006 lbs)	13100 kg (28,881 lbs)
Hinge Pin Height (max lift)	3845 mm (12' 7")	4145 mm (13' 7")
Clearance (max lift 45° dump)	2689 mm (8' 10")	3100 mm (10' 2")
Reach (max lift 45° dump)	1038 mm (3' 5")	1185 mm (3' 11")

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SANY SW305K5 & 405K5 WHEEL LOADERS

STANDARD & OPTIONAL EQUIPMENT

SW305* SW405* ENGINE

S	S	Final Tier 4 (FT4) Certified
S	S	Keyless push-button start
S	S	Engine emergency stop (in cab)
S	S	Power and economy mode
S	-	Hydraulic-driven reversible fan (Automatic)
-	S	Hydraulic-driven reversible fan (Manual)
S	S	Dual element air filter

SW305* SW405* POWER TRAIN

S	S	Gear selector lever (steering-column)
S	S	Automatic Transmission (4 Gear Forward - 3 gear Reverse)
S	S	Automatic transmission kick down function
S	S	Clutch-cutoff
S	S	Service brake : 4-wheel, wet-type, hydraulic brake
S	S	Parking brake : electronically controlled, hydraulic caliper disc brake
S	S	Differential lock front axle (manual)

SW305* SW405* HYDRAULIC

S	O	Quick coupler (SW305 JRB 416 SW405 JRB 418)
S	S	Quick coupler plumbing
S	S	Full variable load-sensing system with steering priority
S	S	Single-lever EH joystick with FNR+KD+horn+3rd function proportional control
S	S	Continuous flow 3rd function auxiliary hydraulic functionality
S	S	Dual brake pedals
S	S	3rd function valve
S	S	Hydraulic quick coupler lines
S	S	Ride control system
S	S	Bucket self-leveling / return to dig

SW305* SW405* CABIN

S	S	ROPS / FOPS certified cab
S	S	Emergency hammer
S	S	folding exterior rear-view Rear mirrors (heated)
S	S	Sun visor, front window
S	S	Air-suspension seat (cloth)
S	S	Heated Seat (cloth)
S	S	2" retractable Seat Belt (Lap belt)
S	S	Adjustable Armrest
S	S	360° view camera with dedicated color display
S	S	dedicated color display (Machine gauges & Operator Interface)
S	S	Rear window defrost
S	S	Automatic HVAC (Heat and air conditioner)

SW305* SW405* ELECTRICAL

S	S	Battery disconnect switch
S	S	24V system, 2 x 12V batteries 120Ah
S	S	Converter kit with 12V auxiliary power outlet
S	S	AM/FM Bluetooth® radio with USB port
S	S	Back up alarm
S	S	Travel acoustic alarm
S	S	Travel strobe light alarm
S	S	Cab mounted LED work light package (dual front & rear)
S	S	Dual maintenance free batteries rated @ 950 cca
S	S	Alternator 120 Amp

SW305* SW405* OTHER

S	S	Front and rear steel fenders (Partial coverage rear fender)
S	-	Tires: 20.5R25 L3 Radial (3 piece rim)
-	S	Tires: 23.5R25 L3 Radial (3 piece rims)
O	-	Extended boom (New Option for 2025 SW305 Models)
S	-	Bucket: 3.2 yd bucket
-	O	Bucket: 4.2 yd bucket
S	S	Boom Cylinder locking bar
S	S	Articulation locking bar
S	S	Drawbar hitch

SW305* SW405* ATTACHMENTS & OVERALL MACHINE**

O	-	Forks (Hydraulic or Manual) Width 106" Length 72" - JRB416 **
-	O	Forks (Hydraulic or Manual) Width 106" Length 84" - JRB418 **
-	O	Log forks (Grapple) **
O	O	Automatic lubrication system (Standard for 2025 Models)
O	-	Engine Block heater (Standard Option for 2025 Models)
O	O	Hydraulic hose burst valve
O	O	Emergency steering
O	O	Guarding kits(windshield guard, belly pans)
S	S	Full coverage rear fender (Standard for 2025 Models)

Key

S	Standard configuration or feature
O	optional configuration or feature
-	Not applicable -or- not offered on current production model
*	Options and configurations based on current models (2025 Models)
**	After-market Options & Features - Contact your SANY Dealer

In the interest of continual development, SANY reserves the right to change these specifications at any time without prior notification.

2025 SANY WHEEL LOADER LINEUP



SW305K5 STANDARD



SW305K5 LONG-BOOM



SW405K5