

SY405K

PRODUCT SPECIFICATIONS

SANY



STANDARD FEATURES

- Engine: Deutz TCD 7.8
- Boom Suspension System
- Locking Differential Axle
- Automatic Transmission Kick Down
- Bucket Self-Leveling and Return to Dig
- SANYLive Telematics
- Single Joystick Control
- Third Function Hydraulics
- Reversible fan
- 360° View Camera

Net Power
252 hp / 188 kW

Bucket Capacity
4.0 yd³ / 3.06 m³

Operating Weight
40,786 lb / 18 500 kg

Full Turn Tipping Load
31,473 lb / 14 276 kg

PRODUCT SPECIFICATIONS

SANY SW405K

Machine Parameters

WEIGHT

Operating Weight	40,786 lbs	18 500 kg
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ENGINE

Deutz TCD7.8

Max Gross Power	262 hp	?	kW
Net Engine Power	252 hp		188 kW
Max Gross Torque	962 lb ft	?	Nm
Displacement	?	in ³	7.8 L

OPERATING

Bucket Capacity	4.0 yd ³		3.06 m ³
Breakout Force	40,466 lbs	?	kN
Tipping Load Straight	37,093 lbs	?	kg
Tipping Load @ Full Turn	31,473 lbs		14 276 kg
Clearance (full lift 45° dump)	10' 2"	?	mm
Reach (full lift 45° dump)	3' 10"	?	mm

HYDRAULIC SYSTEM

Max Flow	81 GPM	?	LPM
Max Pressure			3,916 PSI

HYDRAULIC CYCLE TIMES

Raise	5.4 sec
Dump	1.9 sec
Float Down	3.3 sec
Total Cycle Time	10.6 sec

SERVICE CAPACITIES

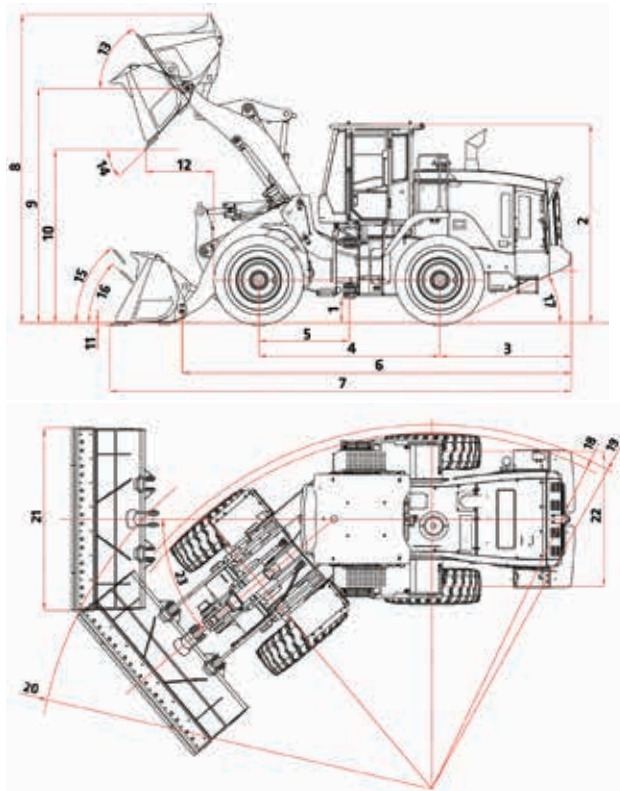
Fuel Tank	79.3 gal	?	L
Cooling System	11.9 gal	?	L
Engine Crankcase	6.0 gal	?	L
Transmission	9.5 gal	?	L
Front Axle	5.0 gal	?	L
Rear Axle	5.0 gal	?	L
Hydraulic Tank	76.7 gal	?	L
DEF Tank	5.3 gal	?	L

TRANSMISSION

Shift Modes	Automatic, Manual, Kick Down
Forward Gear 1-4	4-25 mph
Reverse Gear 1-3	4-16 mph

POWER TRAIN

Front Axle	Fixed
Traction Aid	Manual Differential Lock
Rear Axle	Oscillating
Traction Aid	Open Differential
Service Brakes	Wet Disk
Parking Brake	Disk Brake



OVERALL DIMENSIONS

	STANDARD	METRIC
1 Height to Axle Centerline	17"	440 mm
2 Height to Top of Cab	139"	3 527 mm
3 Center Line of Rear Axle to Edge of Counterweight	92"	2 330 mm
4 Wheelbase	10' 6"	3 200 mm
5 Center Line of Front Axle to Center Pivot	63"	1 600 mm
6 Shipping Length without Attachment	22' 6"	6 862 mm
7 Shipping Length with Bucket	26' 8"	8 142 mm
8 Max. Dump Height	17' 10"	5 441 mm
9 Hinge Pin Height at Max. Lift	13' 6"	4 133 mm
10 Dump Clearance at Max. Lift	10' 2"	3 090 mm
11 Dig Depth, Level Bucket	2.2"	56 mm
12 Reach at Max. Lift and 45° Discharge	46"	1 165 mm
13 Roll Back at Max. Lift		58°
14 Dump Angle at Max. Lift and Dump		45°
15 Roll Back at Carry Height		51°
16 Roll Back at Ground		45°
17 Tail Angle to the Rear Wheel		27°
18 Clearance Circle to Outside of Tires	18' 6"	5 650 mm
19 Clearance Circle to Counterweight	19' 5"	5 911 mm
20 Max. Circle	21' 2"	6 456 mm
21 Width of the Bucket	9' 10"	3 000 mm
22 Width	87"	2 200 mm
23 Articulation Angle		+/- 40°

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

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