



<b>Engine</b>	Cummins 6LT9.3
<b>Gross Power</b>	162 kW (217 hp / 220 ps) @ 2,000 rpm
<b>Net Power</b>	149 kW (200 hp / 203 ps) @ 2,000 rpm
<b>Operating Weight</b>	16,800 kg
<b>Standard Bucket Size</b>	3.0 m <sup>3</sup>
<b>Standard Breakout Force</b>	150 kN
<b>Standard Dump Clearance</b>	2,940 mm

# 50CN WHEEL LOADER

# ZL50CN SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 2 / Stage II
Manufacturer	Cummins
Model	6LT9.3
Gross Power	162 kW (217 hp / 220 ps) @ 2,000 rpm
Net Power	149 kW (200 hp / 203 ps) @ 2,000 rpm
Peak Torque	980 N · m
Displacement	9.3 L
Number of Cylinders	6
Aspiration	Turbocharged

## TRANSMISSION

Transmission Type	Planetary type, power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	37 km/h
Maximum Travel Speed, rev	15 km/h
Number of Speeds, fwd	2
Number of Speeds, rev	1

## AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±10°

## STEERING

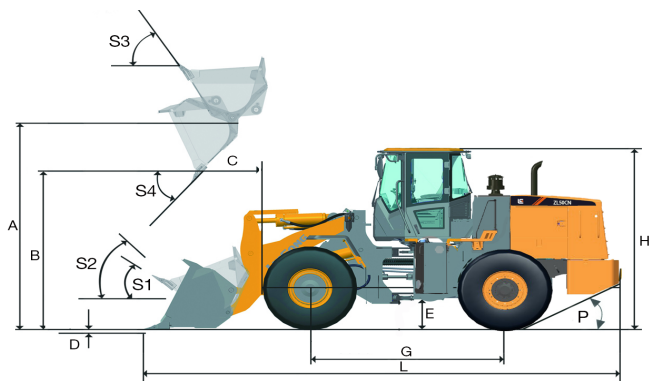
Steering Configuration	Articulated
Steering Relief Pressure	17.2 Mpa

## BRAKES

Service Brake Type	Caliper disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Drum type
Parking Brake Actuation	Mechanical

## HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	20.7 MPa
Raise Time	5.6 s
Dump Time	1.5 s
Float Down Time	3.0 s
Fastest Total Cycle Time	10.0 s



## LOADER ARM PERFORMANCE with Standard Bucket 3.0 m<sup>3</sup>

Tipping Load - Straight (ISO 14397-1:2007)	12,550 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	11,100 kg
Bucket Breakout Force	150 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	2,940 mm
Dump Reach at Full Height Discharge	1,265 mm
Maximum Hinge Pin Height	4,114 mm
Maximum Digging Depth, Bucket Level	50 mm
Bucket Rollback at Ground Level	43°
Bucket Rollback at Carry	47°
Bucket Rollback at Maximum Height	62°

## BUCKET PERFORMANCE

Reference Bucket	3.0 m <sup>3</sup>
------------------	--------------------

## DIMENSIONS

Length with Bucket Down	8,110 mm
Width Over Tires	2,550 mm
Wheelbase	3,250 mm
Wheel Tread	2,050 mm
Ground Clearance	431 mm
Turn Angle, Either Side	38°
Rear Angle of Departure	28°
Turning Radius, Outside of Tire	6,630 mm
Turning Radius, Center of Tire	5,753 mm
Turning Radius, Bucket Carry	? mm
Width Over Bucket	2,550 mm

## TIRES

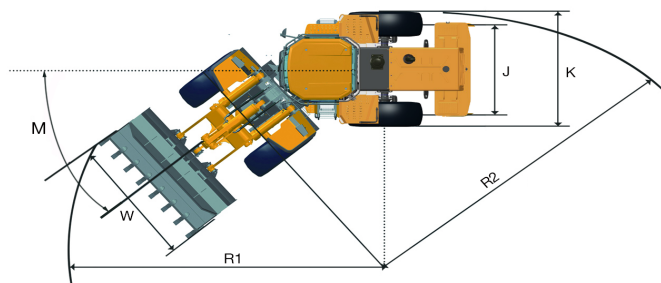
Tire Size	18.00-25 PR16 TT/L3
-----------	---------------------

## OPERATING WEIGHTS

Operating Weight	16,800 kg
------------------	-----------

## SERVICE CAPACITY

Fuel Tank	300 L
Engine Oil	26 L
Cooling System	36 L
Hydraulic Reservoir	140 L
Transmission and Torque Converter	45 L
Axles, Front/Rear	33/36 L



Guangxi Liugong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China

T: +86 772 3886124

E: overseas@liugong.com

www.liugong.com

Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

04/2021 Designed by LiuGong  
Replace the previous versions of 12/2019