



# ZL50CN Wheel Loader



<b>Engine</b>	Weichai
<b>Gross Power</b>	162 kW (220 hp) @ 2,000 rpm
<b>Net Power</b>	154 kW (207 hp) @ 2,000 rpm
<b>Operating Weight</b>	16,500 kg
<b>Standard Bucket Size</b>	3 m <sup>3</sup>
<b>Standard Breakout Force</b>	167 kN
<b>Standard Dump Clearance</b>	2,970 mm

# ZL50CN Wheel Loader



## ENGINE

Emission Regulation	Tier 2 / Stage II
Make	weichai
Gross Power	162 kW (220 hp) @ 2,000 rpm
Net Power	154 kW (207 hp) @ 2,000 rpm
Peak Torque	860 N·m @ 1,400 - 1,600 rpm
Displacement	9.7 L
Number of Cylinders	6
Aspiration	turbocharged

## TRANSMISSION

Transmission Type	planetary power shift
Torque Converter	double - stage, four - element
Maximum Travel Speed, fwd	37 km/h
Maximum Travel Speed, rev	14 km/h
Number of Speeds, fwd	2
Number of Speeds, rev	1

## AXLES

Differential Front Type	conventional
Differential Rear Type	conventional
Axle Oscillation	±11°

## STEERING

Steering Configuration	articulated
Steering Relief Pressure	12 MPa

## BRAKES

Service Brake Type	caliper dry disc
Service Brake Actuation	air over hydraulic
Parking Brake Type	manual pneumatic control
Parking Brake Actuation	use parking brake, applied by air pressure control

## HYDRAULIC SYSTEM

Main Pump Type	gear
Main Relief Pressure	17 MPa
Raise	6.5 s
Dump Time	1.5 s
Float Down Time	3.5 s
Fastest Total Cycle Time	11.5 s

## LOADER ARM PERFORMANCE

Tipping Load - Straight	12,000 kg
Tipping Load - Full Turn	10,900 kg
Bucket Breakout Force	167 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	2,970 mm
Dump Reach at Full Height Discharge	1,200 mm
Maximum Hinge Pin Height	4,020 mm
Maximum Digging Depth, Bucket Level	60 mm
Bucket Rollback at Ground Level	42°
Bucket Rollback at Carry	46°
Bucket Rollback at Maximum Height	59°

## BUCKET PERFORMANCE

Reference Bucket	3 m <sup>3</sup>
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## DIMENSIONS

Length with Bucket Down	8,030 mm
Width Over Tires	2,750 mm
Wheelbase	3,427 mm
Wheel Tread	2,150 mm
Ground Clearance	485 mm
Turn Angle, Either Side	35°
Rear Angle of Departure	30°
Turning Radius, Outside of Tire	6,647 mm
Turning Radius, Center of Tire	6,347 mm
Turning Radius, Bucket Carry	7,598 mm

## TIRES

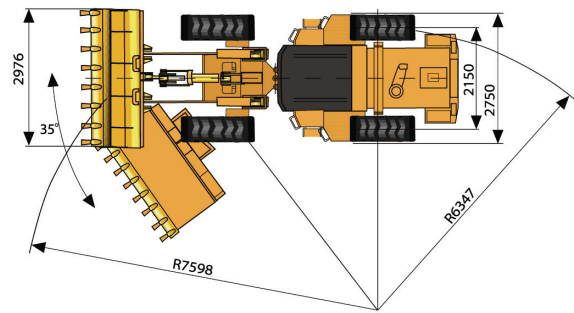
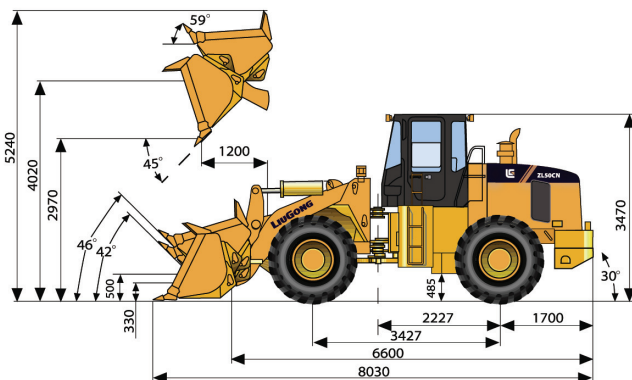
Tire Size	23.5 - 25
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## OPERATING WEIGHTS

Operating Weight	16,500 kg
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## SERVICE CAPACITIES

Fuel Tank	300 L
Engine Oil	22 L
Cooling System	54 L
Hydraulic Reservoir	300 L
Transmission and Torque Converter	45 L
Axles, each	33 L



Unit: mm

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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.