Cummins 6LT9.3 **Engine** 162 kW (220 hp) @ 2,200 rpm **Gross Power** 148 kW (201 hp) @ 2,200 rpm **Net Power Operating Weight** 16,700 kg 3 m³ **Standard Bucket Size** 167 kN **Standard Breakout Force Standard Dump Clearance** 2,970 m

ZL50CN WHEEL LOADER





ZL50CN SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LT9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	148 kW (201 hp) @ 2,200 rpm
Peak Torque	890 N ⋅ m
Displacement	9.3 L
Number of Cylinders	6
Aspiration	Turbocharged

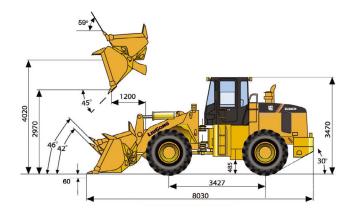
Planetary type, power shift
Double stage, four elements
37 km/h
14 km/h
2
1

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 disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Manual pneumatic control
Parking Brake Actuation	Air

HYDRAULIC SYSTEM		
Main Pump Type	Gear	
Main Relief Pressure	17 MPa	
Raise Time	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	13,414 kg
Tipping Load - Full Turn	11,000 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°

Reference Bucket	3 m ³
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

BUCKET PERFORMANCE

TIRES	
Tire Size	23.5 - 25

OPERATING WEIGHTS	
Operating Weight	16,700 kg

SERVICE CAPACITY	
Fuel Tank	300 L
Engine Oil	18 L
Cooling System	50 L
Hydraulic Reservoir	300 L
Transmission and Torque Converter	45 L
Axles, each	32 L

