



Engine

Rated Power

Operating Weight

Bucket Capacity

Standard Breakout Force

Standard Dump Clearance

Cummins 6LT9.3

162 kW (217 hp / 220 ps) @ 2,000 rpm

16,800 kg

3.2 m³

168 kN

2,996 mm

50CN WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

ZL50CN SPECIFICATIONS >>>

ENGINE

Emission Regulation	EPA Tier 2 / EU Stage II
Manufacturer	Cummins
Model	6LT9.3
Rated Power	162 kW (217 hp / 220 ps) @ 2,000 rpm
Peak Torque	1,006 N·m @ 1,400 rpm
Displacement	9.3 L
Number of Cylinders	6
Aspiration	Turbocharged

TRANSMISSION

Transmission	Planetary, power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	37 km/h
Maximum Travel Speed, rev	14 km/h
Number of Speed, fwd	2
Number of Speed, rev	1

AXLES

Front Type	Conventional
Rear Type	Conventional
Axle Oscillation	±10°

STEERING

Steering System	Coaxial flow amplifying
Steering Relief Pressure	17.2 MPa

BRAKES

Service Brake Type	Caliper discs brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Manual air control

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	2.9 s
Total Hydraulic Cycle Time	10 s

LOADER ARM PERFORMANCE WITH BUCKET 3.2 m³ (BOT, BOCE)

Tipping Load - Straight (ISO 14397-1:2007)	12,100 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	10,600 kg
Bucket Breakout Force	168 kN
A Maximum Hinge Pin Height	4,114 mm
B Dump Clearance at Full Height Discharge	2,996 mm
C Dump Reach at Full Height Discharge	1,208 mm
D Maximum Digging Depth, Bucket Level	50 mm
S ₁ Bucket Rollback at Ground Level	44.3°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	57.6°
S ₄ Maximum Dump Angle at Full Height	46°

BUCKET PERFORMANCE

Bucket Capacities	2.7-5.0 m³
-------------------	------------

DIMENSIONS

E Ground Clearance	431 mm
G Wheelbase	3,250 mm
H Cab Height	3,500 mm
J Wheel Tread	2,150 mm
K Width over Tires	2,750 mm
L Length with Bucket Down	8,025 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R ₁ Turning Radius, Bucket Carry	6,735 mm
R ₂ Turning Radius, Outside of Tire	6,125 mm
W Width over Bucket	2,976 mm

TIRES

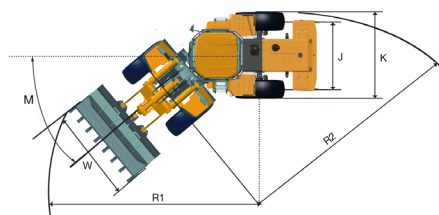
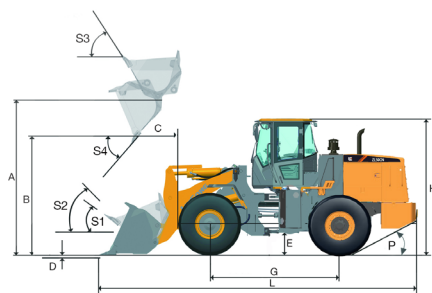
Tire Size	23.5-25 PR16
-----------	--------------

OPERATING WEIGHTS

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

SERVICE CAPACITY

Fuel Tank	280 L
Engine Oil	26 L
Cooling System	42 L
Hydraulic System	201 L
Transmission	45 L
Axle Oil, Front/Rear	33 L / 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.

02/2026 Designed by Liugong