

# Wheel Loader SWL30

## Technical Specification

### Engine

Model	Cummins 6BT5.9-C130
Type	Vertical□water cooled□four-stroke□direct injection
Rated power	125 HP
Rated speed	2200rpm
Rated fuel consumption	200g/Kw.h

### Main Technical Specification

Rated load	3000Kg
Operating weight	10000Kg
Rated bucket capacity	1.7m <sup>3</sup>
Max. breakout force	100kN
Max. dump clearance	3060mm
Dump reach	1008mm
Dump angle at any position	≥45°
Digging depth□with bucket bottom horizontal□	210mm
<b>Min. turning radius</b>	
-----Outside of bucket	5500mm
-----Outside of rear wheel	5100mm
Oscillating angle of rear axle	±11°
Lifting time of bucket	≤5.6s
Lowering time of bucket	≤3.1s
Dumping time	≤1.1s

### Working Equipment

Model of oil pump	CBGj2100
System pressure	15.6Mpa
Model of multi-way directional valve	DF25.2C
Pilot valve	DJS2-UX/UU

### Axle And Tyre

Type of main reducer	Spiral bevel gear, single stage
Gear ratio of main reducer	5.285
Type of final reducer	Single stage planetary
Gear ratio of final reducer	3.88
total ratio	20.5
Max. tractive force	97kN
Tyre size	17.5-25

### Transmission System

<b>Torque Converter</b>	
Type	3-elements,single stage(Sinoway)
Torque ratio	3.0
Cooling type	Pressure oil circulating
<b>Gear box</b>	
Type	Power shift(Sinoway)
Gear shifts□Forward/Reverse□	F2/R1
Traveling speed(Km/h)	
Forward/Reverse□	10.8/14.5
Forward□	32.5

### Braking System

Service brake	Air-pushing-oil disc brake on four wheels
Air pressure	0.65Mpa
Parking brake	Cable-controlled caliper disc brake

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**Steering System**

Type	Articulated fully hydraulic steering
Model of steering pump	CBY2050
System pressure	9.8MPa
Articulated steering angle	38±1°(L/R)

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**Dimensions**

Length(with bucket on ground)	6970mm
Width(to outside of wheels)	2250mm
Height(To the top of the cab)	3228mm
Bucket width	2330mm
Wheel base	2750mm
Tread	1850mm
Ground clearance	360mm

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**Service Capacities**

Fuel tank	150L
Engine crank case	20L
Converter and gear box	32L
Hydraulic tank	140L
Driving axles(F/R)	6.5/6.5L
Brake	4L