


**Engine**

Model	C6121
Type	Vertical, water cooled, four-stroke, direct injection
Rated power	162KW
Rated speed	2200rpm
Rated fuel consumption	220g/kw·h

**Axle And Tyre**

Type of main reducer	Single stage
Gear ratio of main reducer	4.625
Type of final reducer	Column straight gear planet speed reducer
Gear ratio of final reducer	4.94
Total ratio	22.85
Max. tractive force	160KN
Tyre size	23.5-25

**Dimensions**

Overall length(with bucket on ground)	7900mm
Overall width(to outside of wheels)	2745mm
Overall height(to the top of the cab)	3450mm
Bucket width	2975mm
Wheel base	3250mm
Tread	2240mm
Ground clearance	440mm

**Main Technical Specification**

Rated load	5000Kg
Operating weight	16500Kg
Rated bucket capacity	3m <sup>3</sup>
Max. breakout force	165KN
Max. dump clearance	3200mm
Dump reach	1180mm
Dump angle at any position	45°
Digging depth (with bucket bottom horizontal)	212mm
Max. turning radius (outside of rear wheel)	5795mm
Oscillating angle of rear axle	±11°
Lifting time of bucket	≤5.8s
Lowering time of bucket	≤3.77s
Dumping time	≤1.43s

**Steering System**

Type	Hinge joint frame, priority type, flux expand turning system
Model of steering pump	CBGJ2080
Model of redirector	BZZ3-E125C
System pressure	16MPa
Articulated steering angle	38±1°(L/R)

**Transmission System**

Torque Converter	
Model	SWL50F
Type	Single stage double turbing, colligation type
Torque ratio	4
Cooling type	Pressure oil circulating
Gear box	
Model	SWL50F
Type	Hydraulic gear shifting
Gear shifts(Forward/Reverse)	F2/R1
Travelling speed(km/h)	
Forward/Reverse I	11.5/16
Forward II	38

**Service Capacities**

Fuel tank	280L
Engine crank case	22L
Converter and gear box	45L
Hydraulic tank	210L
Driving axles (F/R)	28/28L
Brake	4L

**Braking System**

Service brake	Double pipes, gas drives oil 4 wheel disk type
Air pressure	0.68MPa
Emergency brake	Draper-type soft axle control
Parking brake	Draper-type soft axle control

**Optional**

Cummins engine
Log clamp
Rock bucket
Air conditioner

**Working Equipment**

Model of oil pump	CBGJ3100
System pressure	18MPa
Model of multi-way directional valve	DF32.2C
Pilot valve	DJS2-UX/UU