


Engine

Model	Cummins 6CTA8.3
Type	Direct injection, turbocharged water cooled
Rated power	158KW
Rated speed	2200rpm
Rated fuel consumption	220g/kw-h

Main Technical Specification

Rated load	5000Kg
Operating weight	16200Kg
Rated bucket capacity	3.0m ³
Max. breakout force	185KN
Max. dump clearance	2970mm
Dump reach	1200mm
Dump angle at any position	45°
Digging depth(with bucket bottom horizontal)	210mm
Max. turning radius(outside of rear wheel)	2775mm
Oscillating angle of rear axle	±11°
Lifting time of bucket	≤5.7s
Lowering time of bucket	≤3.8s
Dumping time	≤1.56s

Working Equipment

Model of oil pump	JHP3100
System pressure	17MPa
Model of multi-way directional valve	Sinoway
Pilot valve	Sinoway

Axle And Tyre

Type of main reducer	Spiral awl, first stage decelerate
Gear ratio of main reducer	4.625
Type of final reducer	Straightedge gear planetary decelerate
Gear of ratio of final reducer	5.0625
Total ratio	23.38
Max. tractive force	165KN
Tyre size	23.5-25

Steering System

Type	Articulated jack hydraulic steering system
Model of steering pump	CBG2080 gear-type
Model of redirector	TLF1-E1000C
System pressure	12.7MPa
Articulated steering angle	38±1°(L/R)

Transmission System

Torque Converter	
Model	SWL50E
Type	single stage
Torque ratio	4
Cooling type	Oil cooling

Gear box	
Model	SWL50E
Type	Power shift
Gear shifts(Forward/Reverse)	F2/R1
Travelling speed(km/h)	
Forward/Reverse I	12.8/16
Forward II	33.4

Dimensions

Overall length(with bucket on ground)	8179mm
Overall width(to outside of wheels)	2946mm
Overall height(to the top of the cab)	3450mm
Bucket width	2975mm
Wheel base	3440mm
Tread	2145mm
Ground clearance	450mm

Service Capacities

Fuel tank	300L
Engine crank case	30L
Converter and gear box	45L
Hydraulic tank	200L
Driving axles (F/R)	30L
Brake	3.5L

Braking System

Service brake	Air over hydraulic disc brake on 4 wheel
Air pressure	0.7-0.8MPa
Emergency brake	Air control by hand
Parking brake	Automatic

Optional

Loose material bucket
Rock bucket
Lengthened arm
Log clamp
Flat fork