



Engine

Model	Cummins 6CTA8.3
Type	Six-cylinder, water-cooled turbocharged, mechanical injection
Rated power	164KW
Rated speed	2200rpm

Main Technical Specification

Rated load	5000Kg
Operating weight	17100Kg
Rated bucket capacity	3.0m ³
Max. breakout force	158KN
Max. dump clearance	3100mm
Dump reach	1035mm
Dump angle at any position	45°
Digging depth(with bucket bottom horizontal)	212mm
Min. turning radius(outside of bucket)	6913mm
Oscillating angle of rear axle	±14°
Lifting time of bucket	≤6.0s
Lowering time of bucket	≤3.0s
Dumping time	≤1.5s

Implement Hydraulic System

Model of oil pump	Gear
System pressure	20MPa
Model of multi-way directional valve	DF32.2C
Priority valve	DJS2-UX

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 of ratio of final reducer	4.94
Total ratio	23.85
Max. tractive force	160KN
Tyre size	23.5-25

Steering System

Type	Middle articulated frame, Co-axis flow amp. steering
Model of steering pump	Gear
System pressure	16MPa
Articulated steering angle	38±1°(L/R)

Transmission System

Torque Converter

Type	3 elements, single stage
Torque ratio	3.1
Cooling type	Pressure oil circulating

Gear box

Type	Power shift
Gear shifts(Forward/Reverse)	F4/R3
Travelling speed(km/h)	
Forward/Reverse I	6.5/6.5
Forward/Reverse II	11.5/11.5
Forward/Reverse III	23/23
Forward IV	37

Dimensions

Overall length(with bucket on ground)	8030mm
Overall width(to outside of wheels)	2750mm
Overall height(to the top of the cab)	3470mm
Bucket width	2976mm
Wheel base	3427mm
Tread	2150mm
Ground clearance	485mm

Service Capacities

Fuel tank	300L
Engine crank case	22L
Converter and gear box	45L
Hydraulic tank	300L

Braking System

Service brake	Wet multi disc
Air pressure	0.68MPa
Parking brake	Air over hydraulic

Optional

ZF gear box
