



Engine

Model	Cummins 6CTAA8.3(UK)
Type	Six-cylinder, water-cooled turbocharged, mechanical injection
Rated power	179KW
Rated speed	2200rpm

Axle And Tyre

Axle type	Wet axle
Gear ratio of main reducer	4.444
Type of final reducer	Single stage planetary
Gear ratio of final reducer	5.167
Total ratio	22.963
Max. tractive force	171KN
Tyre size	23.5-25

Dimensions

Overall length(with bucket on ground)	8500mm
Overall width(to outside of wheels)	2855mm
Overall height(to the top of the cab)	3467mm
Bucket width	3010mm
Wheel base	3350mm
Tread	2200mm
Ground clearance	431mm

Main Technical Specification

Rated load	6000Kg
Operating weight	19640Kg
Rated bucket capacity	3.5m ³
Max. breakout force	198KN
Max. dump clearance	3150mm
Dump reach	1200mm
Dump angle at any position	≥45°
Digging depth (with bucket bottom horizontal)	212mm
Min. turning radius (outside of bucket)	6991mm
Oscillating angle of rear axle	±12°
Lifting time of bucket	≤6.5s
Lowering time of bucket	≤3.4s
Dumping time	≤1.6s

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)

Service Capacities

Fuel tank	400L
Engine crank case	30L
Converter and gear box	57L
Hydraulic tank	210L

Transmission System

Torque Converter	
Model	ZF
Type	3 elements, single stage
Torque ratio	2.55
Cooling type	Pressure oil circulating
Gear box	
Model	ZF
Type	Power shift
Gear shifts(Forward/Reverse)	F4/R3
Travelling speed(km/h)	
Forward/Reverse I	6.6/6.6
Forward/Reverse II	11.7/11.7
Forward/Reverse III	23.1/23.1
Forward IV	37

Braking System

Service brake	Wet multi disc
Air pressure	0.7~0.8MPa
Parking brake	Auto and manual electronic controlled

Implement Hydraulic System

Model of oil pump	Gear
System pressure	20.7MPa
Model of multi-way directional valve	Imported
Pilot valve	Imported