



Engine

Model	Cummins 6CTAA8.3-C240
Type	Direct injection, turbocharged, after cooled
Rated power	179KW
Rated speed	2200rpm
Rated fuel consumption	238g/kw·h

Main Technical Specification

Rated load	6000Kg
Operating weight	18600Kg
Rated bucket capacity	3.5m ³
Max. breakout force	186KN
Max. dump clearance	3028mm
Dump reach	1229mm
Dump angle at any position	45°
Digging depth (with bucket bottom horizontal)	212mm
Max. turning radius (outside of rear wheel)	6400mm
Oscillating angle of rear axle	±12°
Lifting time of bucket	≤6.0s
Lowering time of bucket	≤3.9s
Dumping time	≤1.9s

Working Equipment

Model of oil pump	P257-G80367ZCA6/P124-G20LIG
System pressure	20MPa
Model of multi-way directional valve	HUSCO
Pilot valve	HUSCO

Axle And Tyre

Type of main reducer	Single stage
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	150KN
Tyre size	23.5-25

Steering System

Type	Middle articulated frame, full hydraulic power
Model of steering pump	P257-G80467HCX6/G40LIG
Model of redirector	BZZ3-100
System pressure	16MPa
Articulated steering angle	38±1° (L/R)

Transmission System

Torque Converter	
Model	ZF technology WG200
Type	3 elements, single stage
Torque ratio	2.55
Cooling type	Pressure oil circulating
Gear box	
Model	ZF 4WG200
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	36

Dimensions

Overall length(with bucket on ground)	8280mm
Overall width(to outside of wheels)	2897mm
Overall height(to the top of the cab)	3565mm
Bucket width	3064mm
Wheel base	3300mm
Tread	2300mm
Ground clearance	460mm

Service Capacities

Fuel tank	350L
Engine crank case	19L
Converter and gear box	45L
Hydraulic tank	250L
Driving axles (F/R)	70/57L
Brake	2×1.5L

Braking System

Service brake	Air assisted oil
Air pressure	0.7~0.8MPa
Emergency brake	Manual control cutting-off air brake
Parking brake	Inner expand hoof automatic boosting

Optional

CAT licensed engine C6121
ROPS frame, log clamp, rock bucket
Side-dump bucket, snow cleaner
Grass clamp, fork, breaker