



## Meets EPA Tier 2

- **Rated Power** 160kW(215hp)
- **Operating Weight** 16800kg
- **Rated Load** 5000kg



- ROPS/FOPS cab with a panoramic visibility equipped with electronic surveillance system and adjustable steering wheel
- Two taper roll bearing of each connection can effectively reduce loads from horizontal and vertical. Center-point articulation possesses small turning radius and good pass capability
- Cummins electronic controlled diesel engine with low noise, low emission and high efficiency meets EPA tier 2. Integrated engine hood can be opened backward
- Single lever control the bucket to lift or tilt
- ZF transmission with KD function
- ZF axles with limited slip differential locks
- Full hydraulic wet-disc brake system

**Overall data**

Operating Weight	16800kg
Bucket Capacity	3m <sup>3</sup>
Rated Load	5000kg
Maximum traction	160 ± 5kN
Grade ability	30°
Breakout force	158kN
Static Tipping Load (full 38° turn)	105kN

**Engine**

CUMMINS QS85.9-C215

Type	4-cycle, turbocharged, electronic controlled diesel engine
Rated Power	160kW(215hp)
Peak Torque	938Nm@1500rpm
Displacement	5.9L
Cylinders-Bore x Stroke	6-102 x 120mm

**Transmission**

ZF 4WG200

Type: counter shaft-type power shift, semi-automatic electrical hydraulic shifting control

Converter: single-stage, single-phase, three elements torque converter

Travel Speeds (km/h)

	Gear 1	Gear 2	Gear 3	Gear 4
Forward	0~6.5	0~11.5	0~23	0~37
Reverse	0~6.5	0~11.5	0~23	

**Steering**

Articulated frame, full hydraulic power with flow amplified system, full-flow filtering

**Axles**

ZF AP400 series

Self-locking differentials and wet multi-disc brakes

**Brakes**

Full hydraulic wet-disc braking

 Service brakes: All wheels use wet multi-disc brakes  
 Parking brakes: Shoe-type brake, operator applies electronic-control

Emergency brakes: Using parking brake, the brake will automatically /manually apply. Equipped with braking low-pressure warning and flameout emergency braking warning system

**Hydraulic System**

Relief valve setting	20MPa		
Hydraulic cycle time, rated load in bucket (in second)			
Raise	Dump	Lower(empty, float down)	Total
6.5	1.5	3.5	11.5

**Capacities**

Fuel tank	330L
Hydraulic tank	210L
Crankcase	22L
Transmission	45L
Different & final drivers-front	35L
Different & final drivers-rear	34L
Tires	23.5-25

**Equipment**

	• Standard	▲ Optional
• CUMMINS QS85.9-C215 engine	• Pilot control	
• ZF 4WG200 transmission	• ZF AP400 series axles	
• Distributing valve	• Steering control valve	
• Pilot control valve	• Multi-purpose valve	
• Working pump	• Brake control valve	
• Automatic bucket return-to-dig	• Automatic boom height kickout control	
• ROPS / FORS cab	• Air conditioner	
• General purpose bucket	• Backup alarm	
• Centralized automatic lubricating system	• Bias ply tires	
▲ Side dump bucket	▲ Log fork	
▲ Rock bucket	▲ Ore bucket	
▲ Wheel loader scale	▲ 3.3m <sup>3</sup> ,4m <sup>3</sup> light material bucket	
▲ Radial ply tubeless tires	▲ Bias ply tubeless tires	

**Dimensions with Bucket**

A: Height to top of cab and canopy	3467 ± 50mm
B: Ground clearance	431 ± 20mm
C: Length from centerline of front axle	1625mm
D: Wheelbase	3250 ± 30mm
E: Overall length	8060 ± 100mm
F: Maximum rollback at full height	60.5°
G: Bucket dump at full height	45°
H: Dump reach	1035 ± 50mm
I: Maximum overall height	5243mm
J: Hinge pin height at full lift	4154mm

K: Dump height	3100 ± 50mm
L: Maximum rollback at ground	45°
M: Hinge pin height at carry position	331mm
N: Maximum digging depth	61mm
O: Width over tires	2750 ± 50mm
P: Tread width	2150 ± 10mm
Q: Turning radius outside tires	6232mm
R: Maximum steering angle	38°
S: Bucket width	2976 ± 30mm
T: Turning radius outside bucket	6913mm

