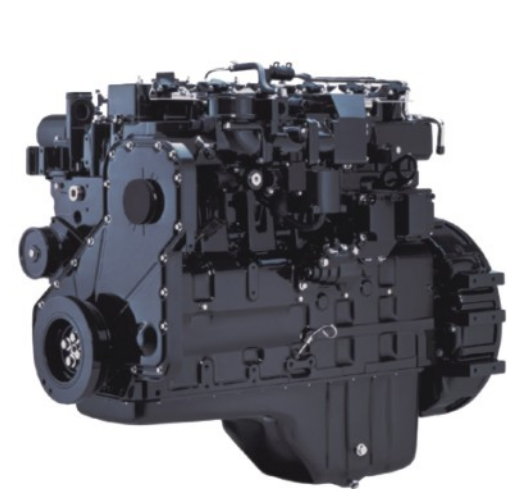
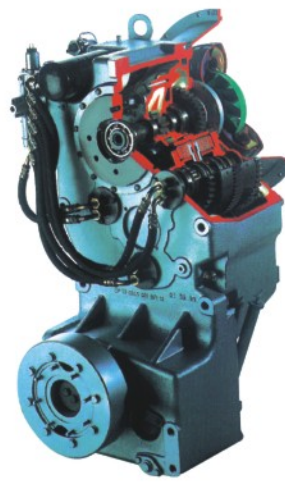


GR215 GR215A MOTOR GRADER



ENGINE

Cummins model QSB6.7 that meets the requirement of TierIII,electronic injection, turbocharged and air-to-air after cooled. The four-stroke-cycle is designed for long, effective power strokes, and more efficient fuel combustion. The high-torque engine provides excellent fuel economy and durability. Adding pushing power heightens operating efficiency. Lower exhaust displacement, electric starting and stopping, have excellent performance and reliability.



TRANSMISSION

ZF-reversing transmission 6WG-200 provides six forward and three reverse speeds. Hydraulic-electricity shift makes operation easy. Adopt with auto-lock/unlock NO-SPIN anti-slide differential, heavy-duty balance box, heavy-duty roller chain transmission, all of low-noise, rusty-proof, corrosion-prevention, anti-chock and being tilting, so that it is nice looking and easy maintenance and repair for the engine.



ROPS & FOPS CAB

Be designed diamond-shape front-tilting cab, with wide-field vision, good sealing, low noise, adjustable ABS operation panel, adjustable seat, VDO (of Germany) instrument panel, radio, Cooling and heating air conditioner, ashtray and cup-set, etc. The cab is designed to be nice looking and very comfortable.



AXLE

MERITOR axle is introduced from well-known technology of MERITOR in U.S.A. Large, heavy-duty axles protect internal components in the harsh environment and offer excellent serviceability and maintenance.



BLADE

Adopt the unique XCMG's blade mechanism. The blade is made of very hard material, relocatable and it is controlled by two cylinders for changing angle, so with perfect evenness and balance. And cutting-in angle can be easily controlled according to different soil conditions.

OPERATION SYSTEM

Having forward/backward adjustable operation panel, with HUSCO multi-way valve, electrically-controlled ZF gearbox, it is quite easy to make any operation.

STEERING SYSTEM

Adopt sensor with load. The superior energy-saving fully hydraulic steering system makes it possible, with the articulated frame, to achieve easy and flexible steering.

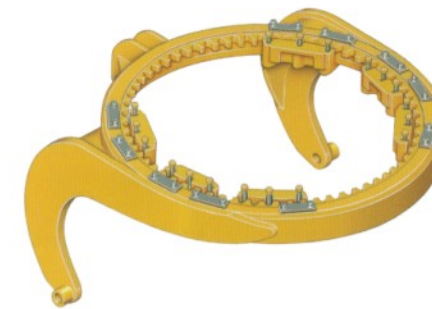
BRAKE SYSTEM

The traveling brake system adopts the hydraulic components from the Westen countries. The hydraulic hub-type applies its performance on four middle & rear wheels. The parking brake system is of hub-type hand brake, which ensures the safety during traveling by applying its function on the output shaft of gearbox. Double circuit hydraulic brake system is adopted currently to increase the security of the machine.



FULL 90° BANK CUTTING

The hydraulically actuated blade can be positioned on either side up to a full 90°. All desired bank cutting angles of the blade can be controlled from the operator's compartment, for quicker, effort-minimizing operation and increased productivity.



CIRCLE

Be fitted with hard material lining, which ensures easy and flexible move of the blade, and high-accuracy flatness and low-cost maintenance as well.



FULL DRIVE

Mode1:6 wheel drive, for swamp, farming field, bumpy area etc.
Mode2:4 wheel drive, for normal work and high speed traveling of the grader
Mode3:2 wheel drive, for precise levelling of road, yard, etc.

OPTIONAL SYSTEM AND EQUIPMENT

1. Automatic leveling unit: It is optional to select MOBA leveling unit or topcon leveling system. It is recommended: ultrasonic leveling unit can be selected as optional when building the high-express ways, and leveling unit as the optional or large-area agricultural site.
2. Front dozer with floating mechanism (Can be used to work on uneven surface such as snow cleaning, etc.)
3. Rear ripper
4. Scarifier (for additional loose of the earth)
5. Roller bearing
6. Tubeless tire (for tough jobsite use)
7. Full drive system (for jobsites that need additional drive power such as swamp, slop, rock-rich and bumpy area.)

FRONT DOZER

Dozing width: 2744mm
Dozing depth: 110mm

CHASSIS

Being welded structure, just like a box, it is strong enough to ensure no deformation.

OPTIONAL MECHANISM

Rolling-plate Mechanism: It is optional for the customer to equip the rolling-plate type slewing mechanism when the machine is to be used in very tough working condition or required high-standard for flatness.



REAR RIPPER

Number of shanks: 5
Max. ripping depth: 350mm
Max. ripping width: 2085mm
Max. lift above ground: 350mm

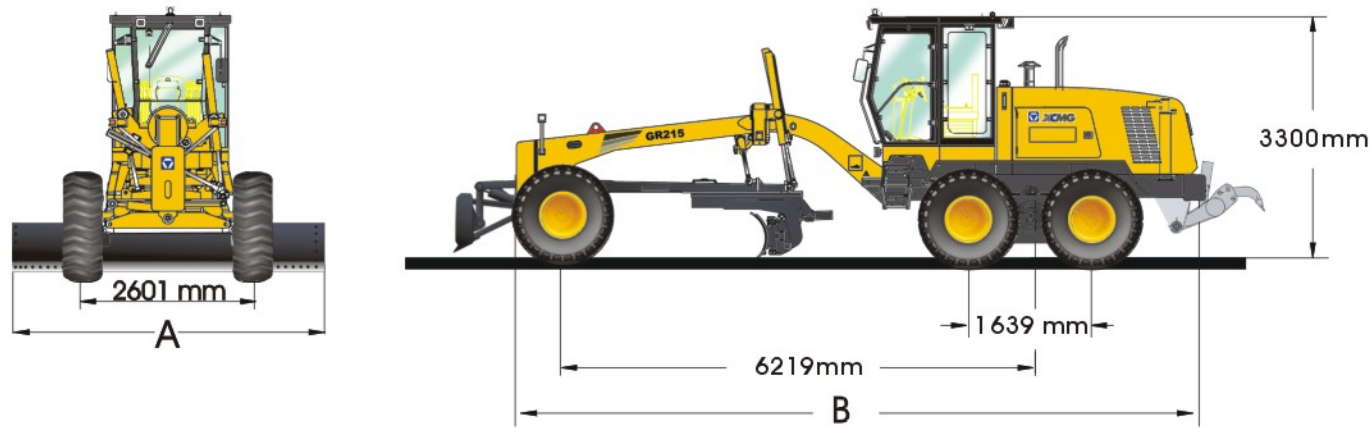


SCARFIER

Number of teeth: 11
Scarifier depth: 280mm
Digging width: 1325mm



■ DIMENSIONS



	GR215	GR215A
A	4270mm	4270mm
B	8970mm	9180mm

■ STANDARD EQUIPMENT MAIN SPECIFICATIONS

	GR215	GR215A
Overall dimensions	8970x2625x3300mm	9180x2625x3300mm
Operating weight	16500kg	16100kg
Module weight on front wheels	4950kg	4700kg
Module weight on rear wheels	11550kg	11400kg
Min.ground clearance	430mm	430mm
Distance between front and rear axles	6219mm	6219mm
Distance between middle and rear axles	1639mm	1639mm
Max.steering angle for front wheel	±50°	±50°
Max.decling angle for front wheel	±17°	±17°
Max.swing angle for front axle	±15°	±15°
Chassis steering angle	±27°	±27°
Min.turning radius	7.3m	7.3m
Max.tractive force	87kN	115.3kN
Max.gradeability	20°	30°
Blade		
Max.raising height	460mm	460mm
Max.blade cutting depth	500mm	500mm
Max.sloping angle for axle	90°	90°
Cutting angle	28°~70°	28°~70°
Slewing angle	360°	360°
Length x curved height	4270x610mm	4270x610mm
Full drive system	×	√

■ OPTIONAL SYSTEM AND EQUIPMENT

1. Cummins engine C8.3-C available
2. Front dozer blade with floating mechanism
3. Rear ripper
4. Scarifier
5. Rolling Plate Slewing Mechanism
6. Tubeless tire
7. Hydraulic Swing Chassis Pin
8. Automatic Leveling Unit
9. Front Blade

	GR215	GR215A
ENGINE		
Model	CUMMINS CTA8.3-C	CUMMINS QSB6.7
Type	Turbocharged diesel, 6 cylinders, 4-stroke,direct-injection, water cooled	
Rated power/Rated speed	153kW / 2200rpm	164kW / 2200rpm
Bore × stroke	114×135mm/4.49" × 5.31"	107×124mm/4.2" × 4.9"
Displacement	8.3L	6.7L
Compression ratio	18:1	18:1
Batteries	2×24V/120A · h	2×12V/135A · h
Starter	24V/7.5kW	24V/4.5kW
Alternator	24V/50A	28V/50A
TRANSMISSION		
Make and Model	ZF6WG200	
Type	Power-shift(electric hydraulic)countershaft design with six forward and three reverse speeds	
Control	Single lever control	
Forward speeds km/h	5 8 11 19 23 38	
Reverse speeds km/h(MPH)	5 11 13	
	1.6Mpa~1.8Mpa	
AXLE		
Model	Meritor 8051300	
Driving system	Four-wheel driving	Six-wheel driving
Rear axle oscillation	Center oscillation	
BRAKE		
Type	Wet multi disc brakes	
Braking system	Full hydraulic type brake on four wheel, hydraulic hub brake	
Operation	Shoe brake	
Driving brake-system pressure	10Mpa	
Emergent and stopping system pressure	16Mpa	
Parking brake	Electric control, inner-expanding shoe brake, hydraulic cylinder, brake pump and spring energy reserve applied via a switch on the control stand panel.	
TYRES		
Type	Tube	
Specification	1	
Tire pressure	2.6 bar	
Specifications for working hydraulic system		
Working pump	Gear pump	
Max. flow rate	2×50L/min	
Max. Working pressure	18Mpa	
Control	Manually operation	
Double-acting hydraulic cylinders	Bore × stroke	
Specifications for steering hydraulic system		
Type	Articulation, fully hydraulic power steering with load-sensing system	
Steering pump	Gear pump	
Max. Working pressure	16Mpa	
Cylinder		
Bore × stroke	70mm×350mm	
Max. steering angle (front wheel)	± 50°	
Max. steering angle (vehicle frame)	± 27°	
Service refill capacities		
Fuel tank	280L	250L
Engine oil	24L	24L
Cooling system	50L	50L
Gearbox	26L	26L
Total capacity of Balance box	46L	46L
Driving axle	28L	28L
Hydraulic oil	110L	150L
Turbo box	2.5L	2.5L

GR215(CE) Is Optional.

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Please contact with our district agent:

Materials and specifications are subject to change without notice.



GR215 GR215A

MOTOR GRADER



Weight	17000kg
Rated Power	153kw(205HP)
Blade Width	4270mm