

# GR 215

## Motor Grader



### PERFORMANCE CHARACTERISTICS

- » This machine is equipped with turbocharged diesel engine. Large output torque and power reserve coefficient and low oil consumption.
- » Take measures such as vibration elimination, sound absorption and sound insulation to reduce the internal and external noise of the cab.
- » The double-circuit hydraulic brake system is applied to realize more reliable and stable braking.
- » The steering load-sensing system is applied and the main hydraulic units adopt international products to guarantee the system stability and reliability.
- » The XCMG's special enhanced working device is applied
- » The blade body adopts adjustable large slide slot and double slideway mechanism and the blade plates are made of wear-resistant high strength materials.
- » The multiple optional parts expand the performance and working scope of machine



The motor grader is mainly used for ground leveling, ditching, slope scraping, bulldozing, scarification, snow removal for large areas such as highway, airports, farmlands etc. It is the necessary construction machinery for national defense construction , mine construction, urban and rural road construction and water conservancy construction, farmland improvement and so on



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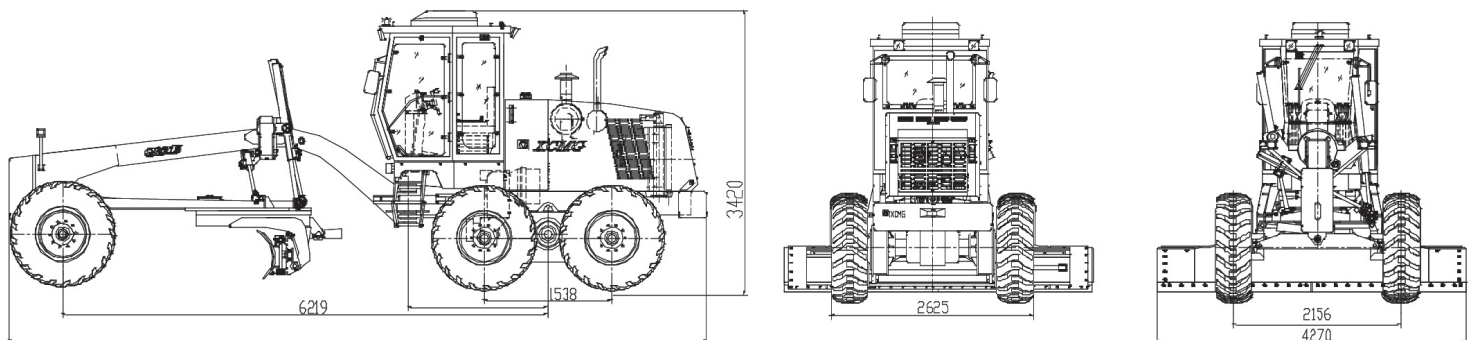
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# Main Specifications

	Item	Unit	GR215	
<b>Basic Parameters</b>	Engine model		6CTA8.3-C215	
	Rated power/speed	kW / rpm	160/2200	
	Overall dimension (standard)	mm	8970 x 2625 x 3420	
	Total weight (standard)	kg	16500	
	Tire specification		17.5 - 25	
	Ground clearance (front axle)	mm	430	
	Tread	mm	2156	
	Space of front and rear axles	mm	6219	
	Space of middle and rear wheels	mm	1538	
<b>Performance parameters</b>	Forward velocity	km / h	5, 8, 11, 19, 23, 38	
	Reverse speed	km / h	5, 11, 23	
	Tractive effort $f=0.75$	kN	$\geq 85$	
	Maximum gradeability	%	$\geq 25$	
	Inflation pressure of tires	kPa	260	
	Working system pressure	MPa	16	
	Transmission pressure	MPa	1.3 - 1.8	
<b>Working parameter</b>	Maximum steering angle of front wheels	o	$\pm 50$	
	Maximum inclination angle of front wheels	o	$\pm 17$	
	Maximum swing angle of front axle	o	$\pm 15$	
	Maximum swing angle of balance box	o	15, 15 Front 15, rear 15	
	Maximum steering angle of frame	o	$\pm 27$	
	Minimum turning radius	m	7.3	
	Blade	Maximum lifting height	mm	450
		Maximum shoveling depth	mm	500
		Maximum lateral inclination angle	o	90
		Cutting angle	o	28-70
Slewing angle		o	360	
Length x chord height	mm	3965 x 610		
<b>Oil filling amount</b>	Coolant	L	50	
	Fuel tank	L	280	
	Engine	L	24	
	Transmission	L	38	
	Balance box	L	46	
	Drive axle	L	28	
	Hydraulic oil	L	110	



THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.

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