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# GR215DII

Grader



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# GR215DII

## GRADER

### Overview

- The grader is mainly used for large ground surface leveling, ditching, slope scraping, bulldozing, scarifying, snow removing and other work in highway, airport and farmland. The grader is necessary engineering machinery for national defense construction, mine construction, urban and rural road construction, water conservancy construction and farmland improvement, etc.

### Main Technical Performance and Characteristics

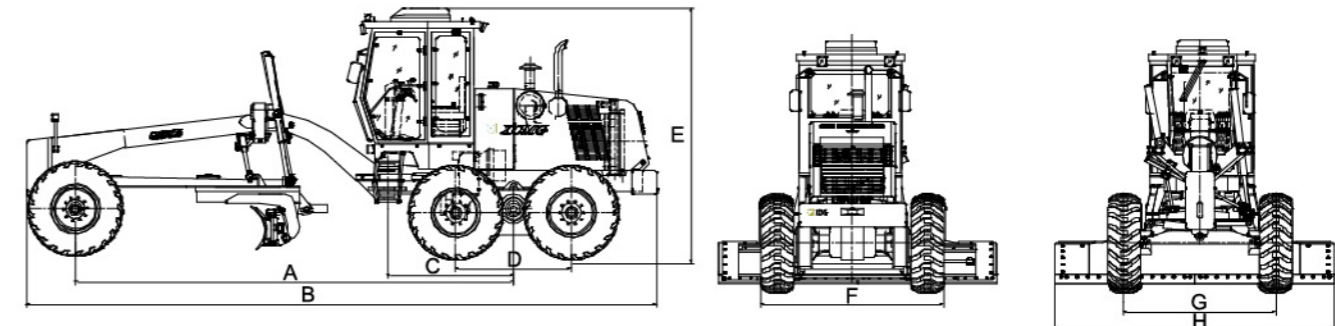
- DCEC engine, ZF technology transmission and Meritor drive axle render more reasonable and reliable power matching of the transmission system.
- Complete diamond-shaped cab and control system conforming to man-machine engineering will bring more comfortable and convenient operating environment;
- Take oscillation damping, sound absorption and sound insulation measures to lower radiation noise inside and outside cab;
- Double-loop hydraulic brake system enables brake to be more reliable and stable;
- Steering load sensing system and main hydraulic elements are internationally matched to guarantee system stability and reliability;
- Double gear pump with large displacement brings about system working pressure up to 18MPa.
- XCMG special reinforced working device is adopted;
- Scraper knife adopts adjustable big chute and double-sliding rail mechanism. Working blade is made of high-strength wear-resistant materials;
- Single oil cylinder drive front axle is adopted, with simple structure and big steering angle; ball of steering cylinder adopts solid forging, with higher strength; pin anti-drop device is further increased on the end surface of steering knuckle;
- Embody distinctive and special spraying appearance design of XCMG products;
- More kinds of options expand performance and working range of machine.

### Main Technical Parameters

#### Technical Parameters of GR215DII Grader

Item	GR215DII	Item	GR215DII
<b>Basic parameters</b>			
Engine model	6CTA8.3-C215	Maximum steering angle of front wheel	±50°
Rated power/speed	160kW/2200rpm	Maximum slant angle of front wheel	±17°
Overall dimension (standard)	8970x2625x3420mm	Maximum oscillating angle of front axle	±15°
Total weight (standard)	16500 kg	Maximum oscillating angle of equilibrium box	15°in front and 15°at back
Tire specification	17.5-25	Maximum steering angle of frame	±27°
Ground clearance (front axle)	430mm	Minimum turning radius	7.3m
Tread	2156mm	Maximum lift height	450mm
Space of front and rear axles	6219mm	Maximum cutting depth	500mm
Space of middle and rear wheels	1538mm	Maximum tilt angle	90°
<b>Performance parameters</b>			
Forward velocity	5, 8, 11, 19, 23, 38km/h	Cutting angle	28°—70°
Reverse speed	5, 11, 23km/h	Angle of revolution	360°
Tractive effort f=0.75	90kN	Length & chord height	4270x610mm
Maximum gradeability	20%	<b>Oil filling amount</b>	
Tire inflation pressure	260kPa	Coolant	50L
Working system pressure	16MPa	Fuel tank	280L
Transmission pressure	1.3—1.8Mpa	Engine	24L
		Transmission	38L
		Equilibrium box	46L
		Drive axle	28L
		Hydraulic oil	110L

### Appearance and External Dimension



Shipping Dimensions(mm)	A	B	C	D	E	F	G	H
GR215II	6219	8970	1790	1538	3420	2625	2156	4270

### Executive Standard

- The product shall execute enterprise standards Q/320307PAB01-2014 Graders and regulations.