



GR165

MOTOR GRADER

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.

Performance Characteristics

- This machine is equipped with turbocharged diesel engine, Large output torque and power reserve coefficient and low oil consumption.
- The drive axle is Special for XCMG used rear axle. The rear axle adopts balanced suspension to ensure the uniform load of four wheels, which is conducive to the full use of its adhesion ability. The main drive of the rear axle is equipped with "NO - SPIN" self-locking differential. If one side of the wheels is slipping the other side can still deliver its original torque. Therefore enough traction be can ensured under any road conditions.
- The front axel is steering axle. The axle can swing from side to side. In addition to the front steering, it also uses the articulated frame, which can further reduce the turning radius.
- The hood is structural part, well shaped with turn over function, the two sides double door is reversible, enhances the maintainability.
- Sealed cab includes air conditioning system, the interior design is made of high quality and smooth materials, fully embodies the man-machine engineering needs.



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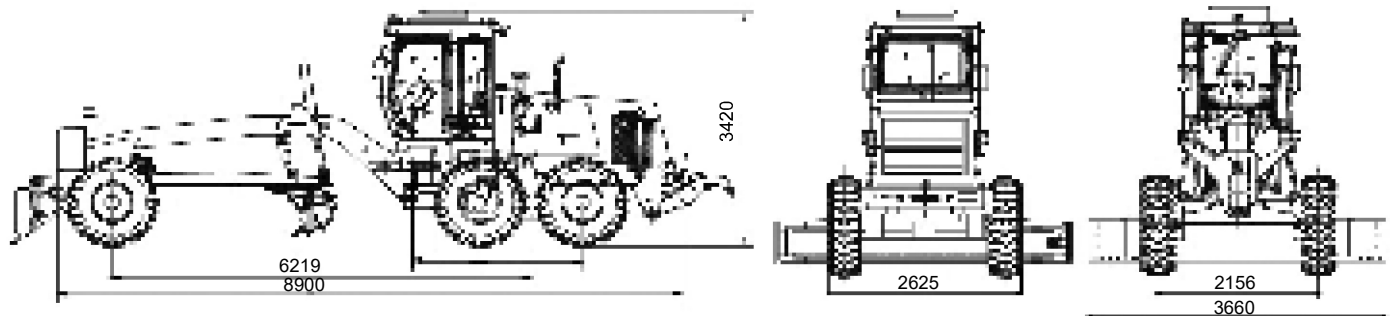
Engine Model: Cummins 6BTA5.9-C180-II
Engine power: 177HP
Operating Weight: 15000kg
Blade Dimension: 12 feet x 2 feet



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Main Dimensions



Main Specifications

	Item	Unit	GR165	
Basic parameters	Engine model		6CTA5.9-C180- II	
	Rated power/speed	KW/rpm	132/2200	
	Overall Dimension (Standard)	mm	8900 x 2625 x 3420	
	Total weight (Standard)	kg	15000	
	Tire specification		17.5-25	
	Ground clearance (front axle)	mm	430	
	Tread	mm	2156	
	Space of front and rear axies	mm	6219	
	Space of middle and rear wheels	mm	1538	
Performance parameters	Forward velocity	km/h	5, 8, 11, 19, 23, 38	
	Reverse speed	km/h	5, 11, 23	
	Tractive effort f=0.75	kN	77	
	Maximum gradeability	%	25	
	Inflation pressure of tires	kPa	260	
	Working system pressure	Mpa	16	
	Transmission pressure	Mpa	1.3 - 1.8	
	Working parameters	Maximum steering angle of front wheels	o	±50
Maximum inclination angle of front wheels		o	±17	
Maximum swing angle of front axle		o	±15	
Maximum swing angle of balance box		o	15° in front and 15° at back	
Maximum steering angle of frame		o	±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	3660x610	
Oil filling amount	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	



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AND EARTH MOVERS PVT. LTD.

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