



# GR150

## MOTOR GRADER

The GR150 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.
- Torque converter has big torque coefficient, wide high efficiency area. It has good combination working characteristics with engine. The transmission box has six forward gears, three backward gears, with neutral start protection function, gear shift controlled by electro-hydraulic, flexible operation, shift without impact, reasonable speed ratio distribution, meet the requirements of various working conditions.
- 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.
- The front axle 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.

Model	: GR150
Engine	: Cummins 6BTA5.9-C150
Engine power(HP)	: 150
Operating Weight(KG)	: 12500
Blade Dimension(Feet)	: 12X2

[www.xcmg.com](http://www.xcmg.com)

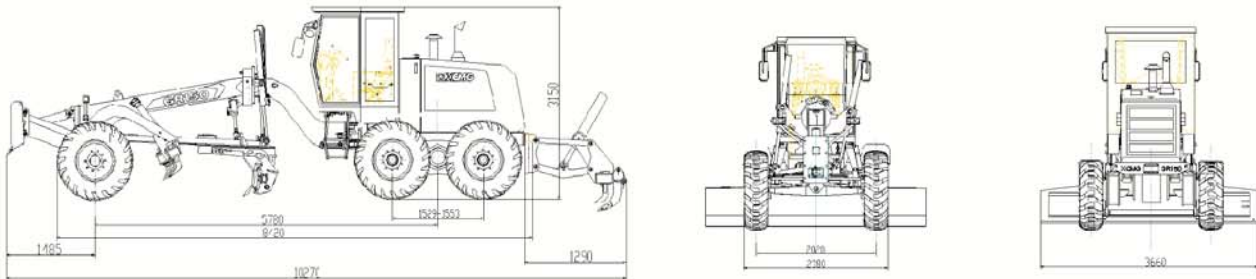
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## Main Dimensions



## Main Specifications

	Item	Unit	GR150	
<b>Basic parameters</b>	Engine model		6BTA5.9-C150	
	Rated power/speed	hp/rpm	150/2200	
	Overall dimension (standard)	mm	8420x2380x3150	
	Total weight (standard)	kg	12500	
	Tire specification		13.00-24TG RP12	
	Ground clearance (front axle)	mm	654	
	Tread	mm	2020	
	Space of front and rear axles	mm	5780	
<b>Performance parameters</b>	Space of middle and rear wheels	mm	1529-1553	
	Forward velocity	km/h	5, 8, 13, 20, 30, 42	
	Reverse speed	km/h	5, 13, 30	
	Tractive effort f=0.75	kN	≥69	
	Maximum gradeability	%	25	
	Inflation pressure of tires	kPa	260	
	Working system pressure	MPa	19	
	Transmission pressure	Mpa	1.3-1.8	
<b>Working parameters</b>	Maximum steering angle of front wheels	°	± 48	
	Maximum inclination angle of front wheels	°	± 17	
	Maximum swing angle of front axle	°	± 16	
	Maximum swing angle of balance box	°	Front 15° , Back 15°	
	Maximum steering angle of frame	°	± 27	
	Minimum turning radius	m	6.9	
	<b>Blade</b>	Maximum lifting height	mm	410
		Maximum shoveling depth	mm	515
		Maximum lateral inclination angle	°	90
		Cutting angle	°	54-90
Slewing angle		°	360	
Length × chord height	mm	3660x610		
<b>Oil filling amount</b>	Coolant	L	50	
	Fuel tank	L	280	
	Engine	L	18	
	Transmission	L	26	
	Balance box	L	46	
	Drive axle	L	28	
	Hydraulic oil	L	96	



**UNITED HEAVY EQUIPMENT**  
AND EARTH MOVERS PVT. LTD.

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