

# GR135T



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**Motor Grader**

The GR135T 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 urban and rural road construction and water conservancy construction, farmland improvement and so on.



**XCMG ROAD MACHINERY BUSINESS UNIT**

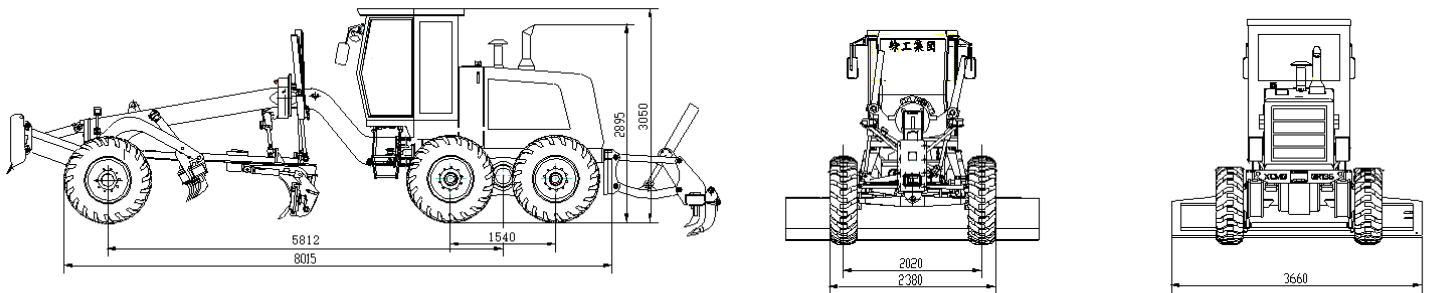
## Performance and characteristics

- GR135T adopt weichai WP4.6NG150E672 turbocharged diesel engine, Large output torque and power reserve coefficient and low oil consumption.
- Double - loop hydraulic system, which operates on the four rear wheels of the motor grader. They are made up of gear pump, brake valve, oil filling valve, accumulator, brake cylinder, etc. Used to control the service brake.
- Transmission system comprises torque converter, power shift

transmission, drive axle, rear axle and rear wheel. The transmission box and torque converter are YD13 electric control power shift and fixed axle transmission box produced by Hangzhou gear company. Torque converter has big torque coefficient, wide high efficiency area. It has good combination working characteristics with engine.

- The braking system consists of the braking system (i.e. the foot brake) and the parking brake system (i.e. hand brake).

## Main dimensions



## Main specifications

Item	Content		GR135T	
Basic parameters	Engine model		WP4.6NG150E672	
	Rated power/speed		111kW/2200rpm	
	Overall dimension (standard)		8015×2380×3050mm	
	Total weight (standard)		12000kg	
	Tire specification		13.00-24	
	Ground clearance (front axle)		515mm	
	Tread		2020mm	
	Space of front and rear axles		5812 mm	
	Space of middle and rear wheels		1540 mm	
Performance Parameters	Forward velocity		5、8、13、20、30、42km/h	
	Reverse speed		5、13、30km/h	
	Tractive effort f=0.75		≥59kN	
	Maximum gradeability		≥40%	
	Inflation pressure of tires		300kPa	
	Working system pressure		16MPa	
	Transmission pressure		1.3—1.8Mpa	
Working Parameters	Maximum steering angle of front wheels		±49°	
	Maximum inclination angle of front wheels		±17°	
	Maximum swing angle of front axle		±15°	
	Maximum swing angle of balance box		±16°	
	Maximum steering angle of frame		±27°	
	Minimum turning radius		6.6m	
	Blade	Maximum lifting height		410mm
		Maximum shoveling depth		515mm
		Maximum lateral inclination angle		90°
		Cutting angle		54°—90°
		Slewing angle		360°
Length × chord height		3660×610mm		