

GR 1605

Motor Grader



PERFORMANCE CHARACTERISTICS

- » Uses Cummins turbocharged diesel engine. Large output torque and power reserve coefficient and low oil consumption. Engine variable power control technology makes the machine work under the best. Fuel consumption area, more energy efficient.
- » Torque converter has big torque ratio, high efficiency and wide high efficiency area. Better combined work characteristics can be achieved when the torque converter is matched with engine. Transmission has 6 forward gears and 3 reverse gears. It has neutral start protection function. Gears will be easily shifted by electrohydraulic control. During gear shift process, there is no impact, speed ratio distribution is reasonable, and various work requirements can be satisfied.
- » 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.
- » The hood is structural part, well shaped with turn over function, the two sides double door is reversible, enhances the maintainability.



GR 1605 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



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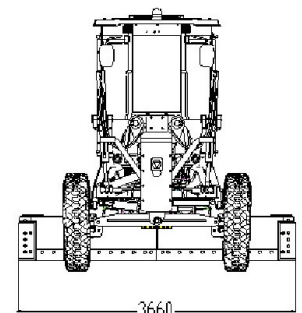
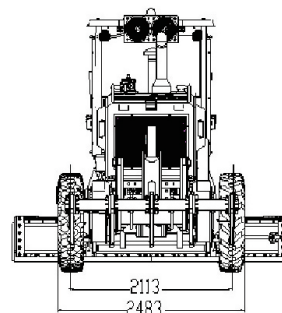
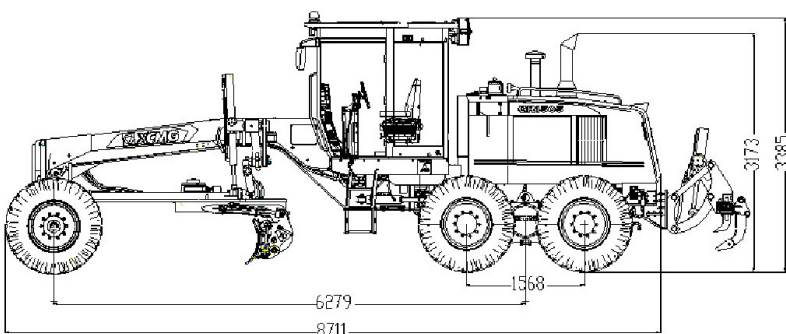
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Main Specifications

	Item	Unit	GR1605	
Basic Parameters	Engine model		QSB5.9	
	Rated power/speed	kW / rpm	125/2200	
	Overall dimension (standard)	mm	8711 x 2483 x 3385	
	Total weight (standard)	kg	13500	
	Tire specification		14.00 - 24	
	Ground clearance (front axle)	mm	586	
	Tread	mm	2113	
	Space of front and rear axles	mm	6279	
	Space of middle and rear wheels	mm	1568	
Performance parameters	Forward velocity	km / h	5, 8, 13, 18, 30, 47	
	Reverse speed	km / h	5, 13, 30	
	Tractive effort $f=0.75$	kN	≥ 70	
	Maximum gradeability	%	≥ 25	
	Inflation pressure of tires	kPa	260	
	Working system pressure	MPa	22	
	Transmission pressure	MPa	2	
Working parameter	Maximum steering angle of front wheels	o	± 48	
	Maximum inclination angle of front wheels	o	± 18	
	Maximum swing angle of front axle	o	± 16	
	Maximum swing angle of balance box	o	± 15	
	Maximum steering angle of frame	o	± 20	
	Minimum turning radius	m	7.2	
	Blade	Maximum lifting height	mm	410
		Maximum shoveling depth	mm	715
		Maximum lateral inclination angle	o	90
		Cutting angle	o	front 40 rear 5
Slewing angle		o	360	
Length x chord height	mm	3660 x 610		
Oil filling amount	Coolant	L	50	
	Fuel tank	L	380	
	Engine	L	24	
	Transmission	L	38	
	Balance box	L	60	
	Drive axle	L	36	
	Hydraulic oil	L	170	



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