

GR2605AT



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Motor Grader

Motor grader is one of the key earthmoving machinery used for finishing and leveling of ground surface and stable layer at highways, airports and other massive job sites. In recent years, with the application expanding and high productivity, the use of grader has been promoted in bulldozing and paving of roadbed mixture, reconditioning of original landforms, etc. Besides, snow removal is its additional application. GR2605AT motor grader with 260HP power, high strength of the whole machine structural parts and sufficient power, is a heavy-duty motor grader specially developed for high-load working conditions.

Performance and characteristics

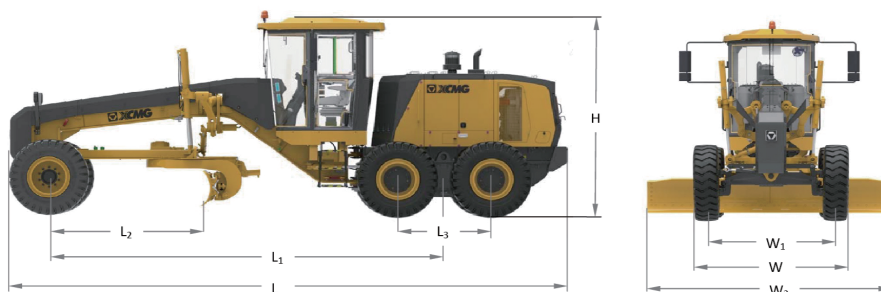
- Adopting Cummins III stage turbocharged diesel engine. Large output torque and power reserve coefficient, low fuel consumption. Adopting engine variable power control technology to make the overall more energy-efficient.
- The transmission system consists of a hydraulic torque converter, a power shift gearbox, a drive shaft, a rear axle, and the rear wheels. The gearbox and torque converter are power shift and fixed shaft transmissions. The torque converter has a large

torque coefficient, high efficiency, and a wide efficiency range, and has good joint operating characteristics when matched with the engine. The gearbox has six forward gears and three reverse gears, with neutral start protection function. The gear is changed to electro-hydraulic control, and the operation is flexible. The gearbox has an automatic shifting function to meet the needs of different users.

Main Dimensions

Unit: mm

Model	L	L ₁	L ₂	L ₃	H	W	W ₁	W ₂
GR2605AT	9680	6636	2580	1696	3470	2750	2287	3660



Main specifications

Item	Content	Unit	GR2605AT	
Basic Parameters	Engine Model	-	QSL8.9	
	Rated Power/Speed	rpm	194kW/2200	
	Machine Dimension (Standard)	mm	9680×2750×3470	
	Machine Weight (Standard)	kg	20000	
	Tire Specifications	-	17.5R25	
	Ground Clearance (Front Axle)	mm	592	
	Wheel Track	mm	2287	
	Front and Rear Axle Distance	mm	6636	
Performance Parameters	Middle and Rear Wheel Track	mm	1696	
	Forward Speed	km/h	5, 9, 14, 22, 34, 48	
	Reverse Speed	km/h	6, 15, 35	
	Traction Force f=0.75	kN	≥129	
	Maximum Climbing Ability	%	≥25	
	Tire Inflation Pressure	kPa	425	
	Working System Pressure	MPa	24.5	
	Transmission Pressure	Mpa	2.0-2.4	
Operating Parameters	Front Wheel Maximum Steering Angle	°	±49	
	Front Wheel Maximum Tilt Angle	°	±18	
	Front Axle Maximum Swing Angle	°	±16	
	Balance Box Maximum Swing Angle	°	Front 15 rear 15	
	Maximum Frame Steering Angle	°	±25	
	Minimum Turning Radius	m	7.8	
	Blade	Maximum Lift Height	mm	452
		Maximum Cutting Depth	mm	755
		Maximum Tilt Angle	°	90
		Blade Tip Range	°	Front 40, Rear 5
		Swivel Angle	°	360
		Length x Height	mm	3660×610
Service Refill	Coolant	L	50	
	Fuel Tank	L	390	
	Engine	L	24	
	Transmission	L	45	
	Balance Box	L	Each 105	
	Main Reducer and Wheel Reducer	L	35	
	Hvdraulic Oil	L	65	

Notes:

Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.