

# GR2205AT



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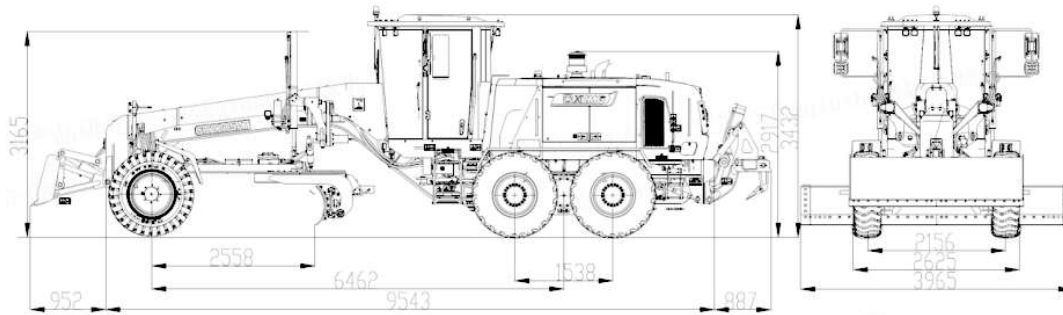
Motor Grader

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., also can be used in heavy duty. It is the necessary construction machinery for road construction and water conservancy construction, farmland improvement and so on. This specification is applied for machine type of GR2205AT.

## Performance and characteristics

- Utilizing load sensitive hydraulic system, small control force, good control feeling, more sensitive.
- Engine variable power control technology, more energy efficient.
- Intelligent fan control technology enables fan speed changing with the real-time detected system temperature, low energy consumption and low noise.
- More stronger drive axle with long lifetime and higher reliability. The new cab is used with better front view, optimized internal control and internal overall layout, to meet ergonomic requirements and higher comfort level.
- Optimal arrangement of the air conditioning flue, integration with cab interior design, better air conditioning effect.
- Advance antivibration and noise reduction technology, low noise of the whole machine.
- The working device is more reliable with the integral angle position device, high strength rotary support and overload protection worm gearbox.

## Main dimensions



## Main specifications

Item	Content	Value	
<b>Basic Parameters</b>	Engine model	WP8G245E671	
	Rated Power/Speed	180kW/2200rpm	
	Machine Dimensions(standard)	9543×2625×3432mm	
	Machine Weight(standard)	17000 kg	
	Tire specification	17.5-25	
	Ground Clearance (Front Axle)	560mm	
	Wheel Track	2156mm	
	Length- Front Axle to Rear Axle	6462 mm	
	Length- Middle Wheel to Rear Wheel	1538 mm	
<b>Performance Parameters</b>	Forward	5、10、13、22、28、46km/h	
	Reverse	5、13、28km/h	
	Traction Force f=0.75	≥111 kN	
	Maximum Gradeability	≥25%	
	Tire Pressure	260kPa	
	Work System Pressure	24.5MPa	
	Transmission Pressure	1.6-1.8Mpa	
<b>Working Parameters</b>	Maximum Steering Angle, Front Wheel	±48°	
	Allowable Tilt Angle, Front Wheel	±17°	
	Maximum Oscillation Angle, Front Axle	±15°	
	Maximum Oscillation Angle, Balance Box	Front 15°, rear 15°	
	Maximum Steering Angle, Frame	±25°	
	Minimum Turning Radius	7.7m	
	Blade	Maximum Lift above Ground	480mm
		Maximum Depth of Cut	755mm
		Maximum Tilt Angle	90°
Cutting angle		Front 40° rear 5°	
Swivel Angle		360°	
	Length X height	3965×610mm	
<b>Service Refill</b>	Coolant	36L	
	Fuel tank	390L	
	Engine	27L	
	Gearbox	38L	
	Balance box	75L per	
	Drive axle	25L	
	Hydraulic oil	65L	