



# GR3505T Pro

## MOTOR GRADER

As major machine for shaping and leveling operation in earthwork engineering, motor grader is widely used for large grading (such as road and airport) operation. With the constant expansion of its functions and development of its high-efficiency over the years, motor grader is applied to bulldozing and spreading of open-pit and roadbed mixture as well trimming of original landform. The mining working conditions are hard surface, wide working plane, the conventional motor grader is in light weight, the pressure under the blade is small, and the front wheel is floating during working. In addition, the blade is short and requires several back and forth to finish the road leveling; The serious working condition also puts forward higher requirements for the safety and comfort and intelligence of the machine. The function of the construction grader is no longer suitable for this condition.

## Performance Characteristics

- With optimized combination of weight and balance, the grader delivers improved traction and the ability to keep ground speed, especially when carrying a large load on the board. Superior torque and lugging capability pulls through sudden, short-term load increases.
- An aggressive blade angle, optimized moldboard curvature help you work more efficiently by allowing material to roll more freely along the blade.
- Temperature depended hydraulic fan system control fan speed with the demand of engine/transmission/hydraulic system.
- Mining heavy-duty rear axle with gear-driving tandem, helps you reduce the problem of chain wear and failure.
- High capacity HVAC provides comfortable temperature no matter summer or winter.
- Fresh air system dehumidifies and pressurizes the cab, circulates fresh air, seals out dust and keeps windows clear.
- Fire suppression system can be automatically activated when machine on fire, protecting machine and operator from fire damage.

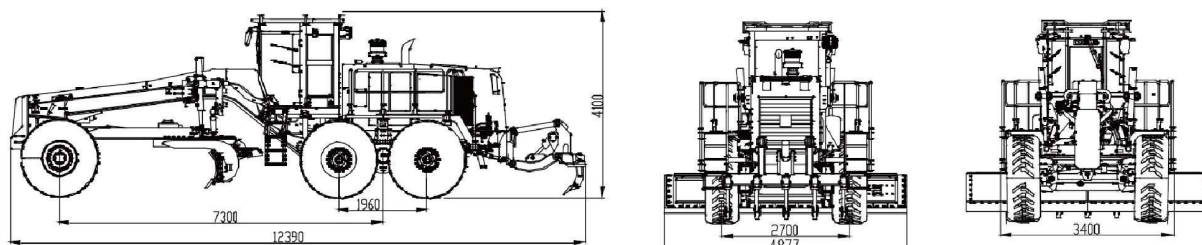


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平地机

## Main Dimensions



## Main Specifications

	Item	GR3505T Pro		
<b>Basic parameters</b>	Engine type	QSM 11		
	Rated power/Speed	261kW/2100rpm		
	Machine dimension(standard)	11320X3400X4100mm		
	Machine weight(standard)	32000kg		
	Tyre specification	23.5R25		
	Ground clearance (Front axle)	625mm		
	Wheel base	2700mm		
	Axle distance between front and rear	7300mm		
	Wheel base between middle and rear	1960mm		
<b>Performance parameters</b>	Forward speed	5、8.5、13、20、30、45km/h		
	Rearward speed	5、13、30km/h		
	Traction force $f=0.75$	$\geq 160$ kN		
	Maximum gradeability	$\geq 30\%$		
	Inflation pressure of tire	475kPa		
	Work system pressure	25MPa		
		Maximum steering angle of front wheel	$\pm 48^\circ$	
<b>Working parameters</b>		Allowable angle of inclination of front wheel	$\pm 17^\circ$	
		Maximum swinging angle of front axle	$\pm 15^\circ$	
		Maximum swinging angle of front axle	front $15^\circ$ 、 back $15^\circ$	
		Maximum swinging angle of front axle	$\pm 23^\circ$	
		Minimum turning radius	9.6m	
	<b>Blade</b>		Maximum lifting height	470mm
			Maximum scraping depth	660mm
			Maximum tilt angle	$65^\circ$
			Cutting angle	$45^\circ$
			Angle of revolution	$360^\circ$
			Length × Height	4877x686mm
<b>Oil filling amount</b>	Coolant	50L		
	Fuel tank	550L		
	Engine	37L		
	Transmission box	38L		
	Balance box	186L		
	Drive axle	106L		
	Hydraulic oil	210L		

