

GR3005T Pro



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Motor Grader

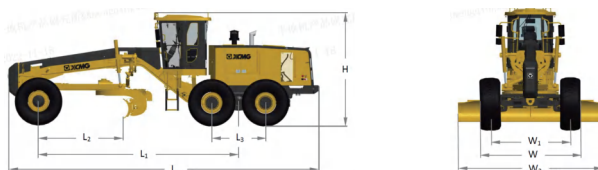
As major machine for shaping and leveling operation in earthwork engineering, motor grader is widely used for large grading (such as road and airport) operation. With the constant expansion of its functions and development of its high-efficiency over the years, motor grader is applied to bulldozing and 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. The power of GR3005T Pro is 331HP, the whole machine structural parts strength is high, strong power is specially designed for open pit mine, heavy load bulldozing and original landform finishing and other high load conditions.

Performance and 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.
- Front frame and hitch area built to last, providing performance and durability in heavy duty applications.
- Two electro-hydraulic joysticks require less hand and wrist movement than conventional lever controls for greatly enhanced operator comfort and efficiency.
- Major components are modular in design, so most can be removed and reinstalled without disturbing other components.
- Speed sensitive steering makes steering less sensitive as ground speed increases for greater operator control and safety.

Main dimensions

Dimensions	L	L1	L2	L3	H	W	W1	W2
GR3005T Pro	10923	7877	2770	1886	3850	3270	2700	4572



Main specifications

Item	Content	Value
Basic Parameters	Engine model	WP10G336E341
	Rated power/speed	247kW/2200rpm
	Overall dimension (standard)	10923X3270X3850mm
	Total weight (standard)	28500kg
	Tire specification	20.5R25
	Ground clearance (front axle)	625mm
	Tread	2700mm
	Space of front and rear axles	7877mm
	Space of middle and rear wheels	1886mm
Performance Parameters	Forward speed	5、8、11、19、23、40km/h
	Reverse speed	5、11、23km/h
	Tractive Force $f=0.75$	$\geq 140kN$
	Maximum gradeability	$\geq 30\%$
	Tire Inflation Pressure	475kPa
	Hydraulic Working Pressure	25MPa
Working Parameters	Maximum steering angle of front wheel	$\pm 48^\circ$
	Maximum slant angle of front wheel	$\pm 17^\circ$
	Maximum oscillating angle of front axle	$\pm 15^\circ$
	Maximum oscillating angle of tandem	front 15° 、back 15°
	Maximum steering angle of frame	$\pm 23^\circ$
	Minimum turning radius	9m
	Blade	Maximum lift height
		Maximum cutting depth
		Maximum tilt angle
		Cutting angle
		Circle Turning Angle
		Length & height
Oil Filling Capacity	Coolant	50L
	Fuel tank	460L
	Engine	24L
	Transmission	38L
	Tandem	112L
	Differential and wheel-end	78L
	Hydraulic oil	130L

Notes:

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

