

GR3505T Pro



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Motor Grader

The GR3505T Pro motor grader is a construction machine used in open pit mines for haul road shaping and leveling operations. It is characterized by strong power, efficient operation and comfortable and intelligent control performance. The machine is mainly used for heavy-duty soil and rock leveling in open pit mines, but also for snow removal, material paving and side trenching in open pit mines. The machine has sufficient power, reliable and durable, and high operation comfort, which is the ideal leveling equipment in the maintenance and repair of the road surface of open pit mine.

Performance and characteristics

- Powerful and efficient construction performance, optimized weight and power matching, providing strong traction output, which can easily cope with sudden and short time load surges.
- Comfortable and intelligent control experience, equipped with electric double-lever control and intelligent panel control, which greatly reduces the driver's control intensity.
- Durable structure design, equipped with mining heavy-duty drive rear axle, integral angle sensor, high-strength slewing bearing and overload protection worm gear box, to enhance

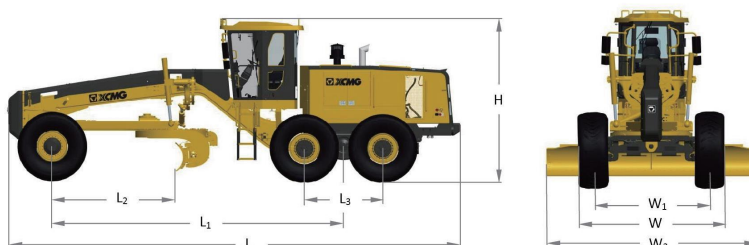
the durability of the machine.

- Convenient and centralized maintenance, convenient and centralized daily filter cartridge and oil replacement, the whole vehicle is equipped with intelligent monitoring and fault diagnosis system.
- Solid and sufficient safety guarantee, equipped with wet brake, hydraulic locking, ground break switch, double emergency stop control, reversing image and other systems to ensure the safe use of equipment.

Main dimensions

Unit: mm

Model	L	L1	L2	L3	H	W	W1	W2
GR3505T Pro	11320	7300	3095	1960	4100	3400	2700	4877



Main specifications

Item	Content		Unit	GR3505T Pro
Basic parameter	Engine model			QSM11
	Rated power/speed		kW/rpm	261/2100
	Machine dimension(standard)		mm	11320x3400x4100
	Machine weight(standard)		kg	32000
	Tire specification			23.5R25
	Ground clearance (Front axle)		mm	625
	Wheel track		mm	2700
	Axle distance between front and rear		mm	7300
	Wheel base between middle and rear		mm	1960
Performance parameters	Drive speed, forward		km/h	5/8.5/13/20/30/45
	Drive speed, reverse		km/h	5/13/30
	Traction force f=0.75		kN	≥160
	Maximum gradeability		%	≥30
	Tire inflation pressure		kPa	475
	Work system pressure		MPa	25
	Transmission box pressure		Mpa	1.6±0.2
	Maximum steering angle, front wheel		°	±48
	Allowable tilt angle, front wheel		°	±17
Working parameters	Maximum oscillation, front axle		°	±15
	Maximum oscillation, balance box		°	Front 15 rear 15
	Maximum steering angle, frame		°	±23
	Minimum turning radius		m	9.6
	Blade	Maximum lift above ground	mm	470
		Maximum cutting depth	mm	660
		Maximum tilt angle	°	65
		Cutting angle	°	Front 40 rear 5
		Swivel angle	°	360
		Length × Height	mm	4877×686
Capacities	Coolant		L	50
	Fuel tank		L	550
	Engine		L	37
	Transmission box		L	38
	Balance box		L	93 each
	Drive axle		L	106
	Hydraulic oil		L	210

Notes:

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

