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GR3005T Pro



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GR3005T PRO
Motor Grader

The GR3005T 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.

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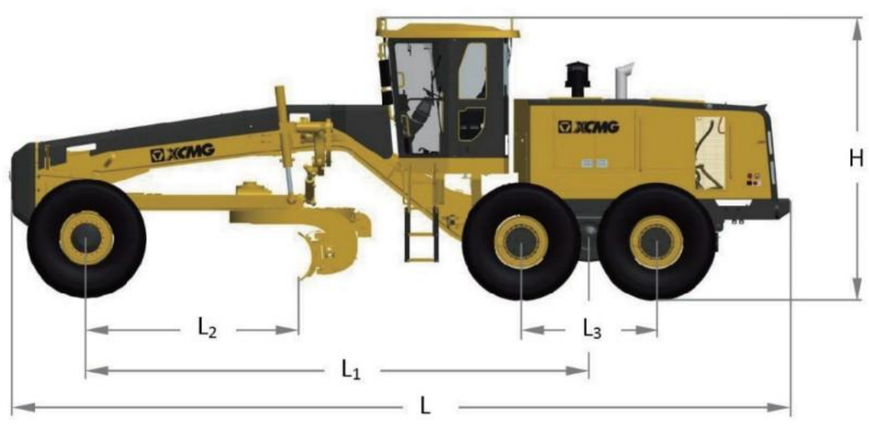
Performance and characteristics

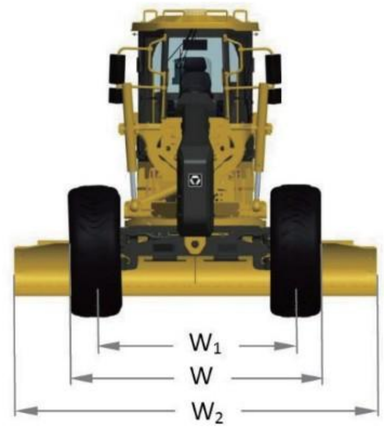
- Powerful and efficient construction performance, optimized weight and power matching, providing strong traction output, which can easily cope with sudden and short time load surges.
- Comfortable and intelligent control experience, equipped with electric double-lever control and intelligent panel control, 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
GR3005T Pro	10923	7070	2763	1886	3850	3270	2370	4572





Main specifications

Item		Content	Unit	GR3005T Pro
Basic parameter		Engine model		QSL8.9
		Rated power/speed	kW/rpm	242/2200
		Machine dimension(standard)	mm	10923×3270×3850
		Machine weight(standard)	kg	28500
		Tire specification		20.5R25
		Ground clearance (Front axle)	mm	625
		Wheel track	mm	2700
		Axle distance between front and rear	mm	7070
		Wheel base between middle and rear	mm	1886
Performance parameters		Drive speed, forward	km/h	5/8/11/19/23/40
		Drive speed, reverse	km/h	5/11/23
		Traction force f=0.75	kN	≥140
		Maximum gradeability	%	≥30
		Tire inflation pressure	kPa	475
		Work system pressure	MPa	25
		Transmission box pressure	Mpa	1.6±0.2
Working parameters		Maximum steering angle, front wheel	°	±48
		Allowable tilt angle, front wheel	°	±17
		Maximum oscillation, front axle	°	±15
		Maximum oscillation, balance box	°	Front 15 rear 15
		Maximum steering angle, frame	°	±23
		Minimum turning radius	m	9
	Blade	Maximum lift above ground	mm	420
		Maximum cutting depth	mm	838
		Maximum tilt angle	°	90
		Cutting angle	°	Front 40 rear 5
		Swivel angle	°	360
		Length × Height	mm	4572×686
Capacities		Coolant	L	50
		Fuel tank	L	480
		Engine	L	24
		Transmission box	L	38
		Balance box	L	Tandem112
		Differential and wheel-end	L	78
		Hydraulic oil	L	210

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