

GR5505T Pro



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Motor Grader

Motor grader is one of the key earthmoving machinery used for finishing and leveling of ground surface and stable layer at highways, airports and other massive jobsites. In recent years, with its constantly expanded application and enhanced productivity, motor grader has been favored also in bulldozing and laydown of roadbed mixture in the open pit mines, as much in reconditioning of original landforms, etc. With robust structural parts and sufficient horse power, GR5505T Pro heavy-duty motor grader is specifically designed for large open pit mines.



Performance and characteristics

- Using heavy duty working device to cope with mining conditions;
- Electric controlled double-lever control, integrating cylinder control, steering, and propelling, remarkably reduces operator fatigue.
- Independent cooling enables variable fan speeds, conserves more energy, and reduces emissions;
- Load sensing hydraulic system maintains low power loss and higher efficiency, realizes the synchronization of multiple con-

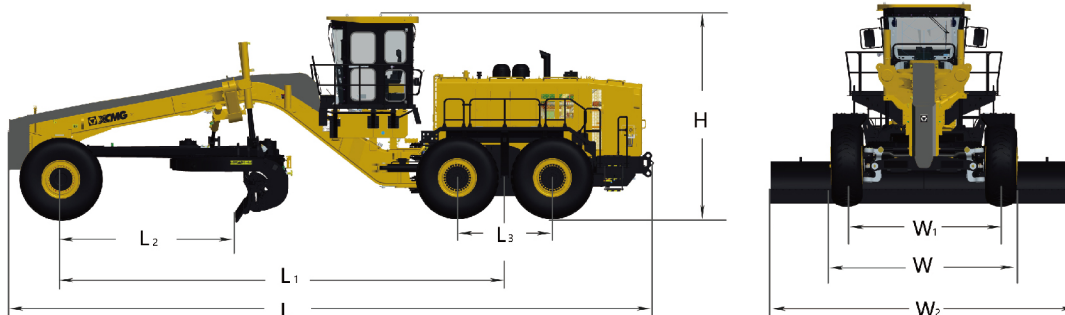
trols and actions. Simple and comfortable operation gives rise to a well-done job.

- Wet brake drive axle for mining has longer lifetime and higher reliability;
- Pressurized ROPS&FOPS cabin, with higher safety, optimized internal control and layout, meeting ergonomic needs and higher comfort.
- Advanced anti-vibration and noise reduction technology achieves low noise of the whole machine;

Main dimensions

Unit: mm

Model	L	L1	L2	L3	H	W	W1	W2
GR5505T Pro	16430	10460	4048	2240	4810	4460	3650	7300



Main specifications

Item	Content		Unit	GR5505T Pro	
Basic parameters	Engine model			2806D-E18TA	
	Rated power/speed		kW/rpm	447/2100	
	Machine dimension(standard)		mm	16430x4560x4810	
	Machine weight(standard)		kg	74000	
	Tire specification			29.5R29	
	Ground clearance (Front axle)		mm	890	
	Wheel track		mm	3650	
	Axle distance between front and rear		mm	10460	
	Wheel base between middle and rear (standard)		mm	2240	
Performance parameters	Drive speed, forward		km/h	4.6, 5.9, 8.7, 11.7, 17.7, 25.1, 32.2, 42.7	
	Drive speed, reverse		km/h	4.5, 8.7, 17.2, 32.6	
	Traction force f=0.75		kN	≥390	
	Maximum gradeability		%	≥30	
	Tire inflation pressure		kPa	500	
	Work system pressure		MPa	25	
Working Parameters	Maximum steering angle, front wheel		°	±48	
	Allowable tilt angle, front wheel		°	±18	
	Maximum oscillation, front axle		°	±16	
	Maximum oscillation, balance box		°	Front 20, rear 20	
	Maximum steering angle, frame		°	±25	
	Minimum turning radius		m	12.5	
	Blade	Maximum lift above ground		mm	460
		Maximum cutting depth		mm	553
		Maximum tilt angle		°	55
		Cutting angle adjustment range		°	40
		Swivel angle		°	340
Length x height		mm	7300x1025		
Capacities	Coolant		L	75	
	Fuel tank		L	1100	
	Engine		L	72	
	Gearbox		L	120	
	Balance box		L	70	
	Main reducer and wheel reducer		L	83	
	Hydraulic oil		L	280	