



GR2405T



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Motor Grader

GR2405T motor grader is mainly used for ground leveling, ditching, slope scraping, bulldozing, scarification, snow removal for large areas such as highway, airports, farmlands etc., also can be used in heavy duty working conditions. The machine features compact structure and high reliability, is the indispensable construction machinery for national defense projects, urban and rural roads and other building construction and water conservancy construction, farmland improvement, etc.



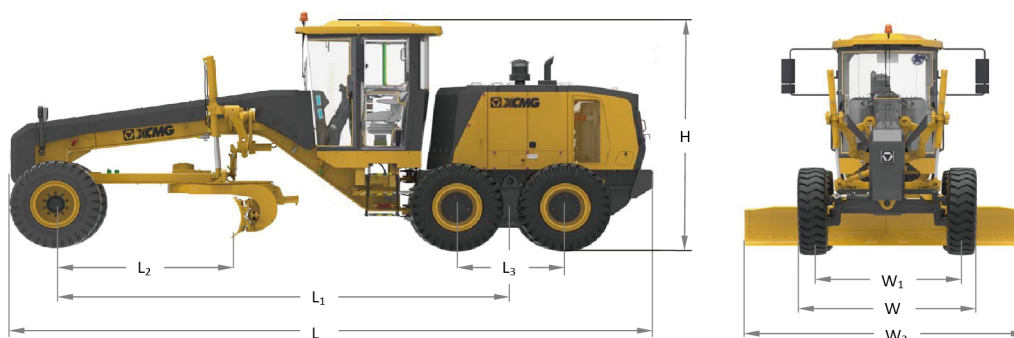
Performance and characteristics

- Load sensing hydraulic system has small operating force, good operating feeling;
- Engine variable power control technology for higher energy efficiency;
- Wet type brake drive axle for long lifetime, higher reliability;
- Full view cabin with better front visibility, optimized internal manipulation and overall internal layout, meeting ergonomic needs and higher comfort.
- The air conditioning flue is integrated in cabin interior design, significantly improves the cooling and heating effect.
- Advanced anti-vibration and noise reduction technology for more comfortable working environment;
- The working device is more reliable with the integral angle position device, high strength rotary support and overload protection worm gearbox.
- Optimized machine layout realizes fuel filling from ground and easy access to service and maintenance points.

Main dimensions

Unit: mm

Model	L	L1	L2	L3	H	W	W1	W2
GR2405T	9343	6527	2580	1538	3432	2625	2156	3965



Main specifications

Item	Content		Unit	GR2405T
Basic parameter	Engine model			QSB6.7
	Rated power/speed		kW/rpm	178/2200
	Machine dimension(standard)		mm	9343×2625×3432
	Machine weight(standard)		kg	17000
	Tire specification			17.5--25
	Wheel track		mm	2156
	Axle distance between front and rear		mm	6527
	Wheel base between middle and rear		mm	1538
Performance parameters	Drive speed, forward		km/h	5/8/11/18/25/40
	Drive speed, reverse		km/h	5/11/25
	Traction force f=0.75		kN	≥88
	Maximum gradeability		%	≥25
	Tire inflation pressure		kPa	260
	Work system pressure		MPa	24.5
	Transmission box pressure		Mpa	1.85-2.2
	Maximum steering angle, front wheel		°	±48
Working parameters	Allowable tilt angle, front wheel		°	±17
	Maximum oscillation, front axle		°	±15
	Maximum oscillation, balance box		°	Front 15 rear 15
	Maximum steering angle, frame		°	±25
	Minimum turning radius		m	7.6
	Blade	Maximum lift above ground	mm	452
		Maximum cutting depth	mm	755
		Maximum tilt angle	°	90
		Cutting angle	°	Front 40 rear 5
		Swivel angle	°	360
		Length × Height	mm	3965×610
Capacities	Coolant		L	50
	Fuel tank		L	390
	Engine		L	24
	Transmission box		L	38
	Balance box		L	75 each
	Drive axle		L	25
	Hydraulic oil		L	105