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GR2405T



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GR2405T

Motor Grader

The GR2405T motor grader is mainly used for land grading, trenching, slope scraping, earth pushing, scarifying and large-area snow removal in scenarios such as highways, airports and farmland.

It can also operate under heavy-duty working conditions. Featuring a compact structure and high reliability, this construction machine is indispensable for national defense projects, urban and rural road construction, other building works, water conservancy maintenance, farmland improvement and so on.

GR2405T
Motor Grader

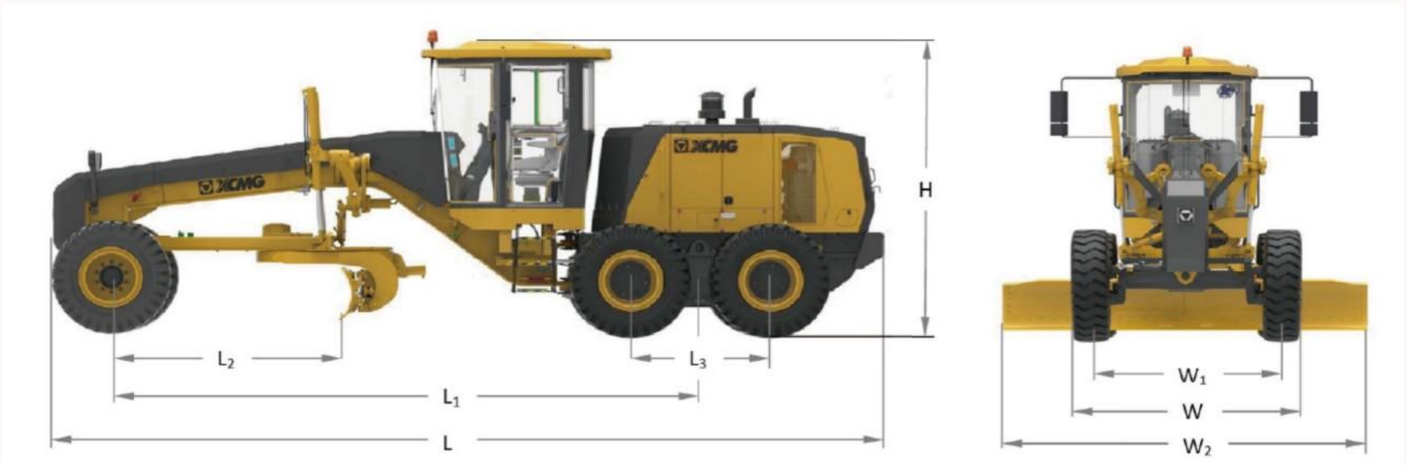
Performance and Features

- The load-sensing hydraulic system features low operating force and delivers excellent operational feel.
- The engine's variable power control technology achieves higher energy efficiency.
- The drive axle with wet-type brakes ensures long service life and high reliability.
- The wide-view cabin provides superior forward visibility, optimized internal controls and overall interior layout, meeting ergonomic requirements and offering greater comfort.
- The air conditioning duct is integrated into the cabin interior design, significantly improving cooling and heating performance.
- Advanced anti-vibration and noise reduction technology creates a more comfortable working environment.
- The working device gains enhanced reliability with an integrated angular positioning assembly, heavy-duty rotary support and overload-protection gearbox.
- The optimized machine layout enables ground-level refueling and facilitates access for 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 Parameters		Engine Model		QSB6.7
		Rated power / speed	kW/rpm	178/2200
		Machine dimensions (standard)	mm	9343×2625×3432
		Machine weight (standard)	kg	17000
		Tire specification		17.5--25
		Wheel gauge	mm	2156
		Distance between front and rear axle	mm	6527
		Distance between central axle and rear axle	mm	1538
Performance Parameters		Forward travel speed	km/h	5/8/11/18/25/40
		Reverse travel speed	km/h	5/11/25
		Traction force (f=0.75)	kN	≥88
		Max. gradeability	%	≥25
		Tire inflation pressure	kPa	260
		Working system pressure	MPa	24.5
		Transmission box pressure	Mpa	1.85-2.2
Working Parameters		Max. steering angle, front wheel	°	±48
		Allowable tilt angle, front wheel	°	±17
		Max. oscillation, front axle	°	±15
		Max. oscillation, balance box	°	Front 15, rear 15
		Max. frame steering angle	°	±25
		Minimum turning radius	m	7.6
	Blade	Max. lift height above ground	mm	452
		Max. cutting depth	mm	755
		Max. tilt angle	°	90
		Cutting angle	°	Front 40, rear 5
		Rotation angle	°	360
		Length × Height	mm	3965×610
Capacities		Coolant	L	50
		Fuel tank	L	390
		Motor oil	L	24
		Transmission box oil	L	38
		Balance box oil	L	75 each
		Drive axle oil	L	25
		Hydraulic oil	L	105

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