

GR2405T Pro



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Motor Grader

Motor grader is the main machinery used for shaping and leveling in earthwork. It is widely used in the ground and stable layer leveling of highway and airport. In recent years, with the application expanding and high productivity, the use of grader has been promoted in bulldozing and paving of roadbed mixture, reconditioning of original landforms, etc. Besides, it can be applied to snow removing in cold region. Featuring 240HP power, strong strength of machine components and sufficient driving force, GR2405T Pro is a heavy-duty motor grader research and developed especially for high-load working condition.



Performance and characteristics

- Load sensing hydraulic system has small operating force, good operating feeling;
- Engine variable power control technology for higher energy efficiency;
- Intelligent fan control technology enables fan speed changing with the real-time detected system temperature, low energy consumption and low noise;
- Electric control double-handle control technology, integrating cylinder control, steering, walking and other kinds of control in

- one, reducing labor intensity.
- Wet type brake drive axle for long lifetime, higher reliability;
- ROPS&FOPS cabin, with higher safety, 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 achieves low noise of the whole machine;

Main dimensions

Unit: mm

Model	L	L1	L2	L3	H	W	W1	W2
GR2405T Pro	9523	6501	2524	1538	3472	2625	2156	3660



Main specifications

Item	Content		Unit	GR2405T Pro	
Basic parameter	Engine model			B6.7	
	Rated power/speed		kW/rpm	178/2200	
	Machine dimension(standard)		mm	9523×2625×3472	
	Machine weight(standard)		kg	18000	
	Tire specification			17.5R25	
	Ground clearance (Front axle)		mm	592	
	Wheel track		mm	2156	
	Axle distance between front and rear		mm	6501	
	Wheel base between middle and rear		mm	1538	
Performance parameters	Drive speed, forward		km/h	5.8/9.4/12.9/20.9/28.3/44.7	
	Drive speed, reverse		km/h	5.8/12.9/28.3	
	Traction force f=0.75		kN	≥92.6	
	Maximum gradeability		%	≥25	
	Tire inflation pressure		kPa	425	
	Work system pressure		MPa	24.5	
	Transmission box pressure		Mpa	1.85-2.2	
Working parameters	Maximum steering angle, front wheel		°	±49	
	Allowable tilt angle, front wheel		°	±18	
	Maximum oscillation, front axle		°	±16	
	Maximum oscillation, balance box		°	Front 15 rear 15	
	Maximum steering angle, frame		°	±25	
	Minimum turning radius		m	7.8	
	Blade	Maximum lift above ground		mm	480
		Maximum cutting depth		mm	755
		Maximum tilt angle		°	90
		Cutting angle		°	Front 40 rear 5
Swivel angle		°	360		
Length × Height		mm	3660×610		
Capacities	Coolant		L	30	
	Fuel tank		L	418	
	Engine		L	18	
	Transmission box		L	38	
	Balance box		L	75 each	
	Drive axle		L	25	
	Hydraulic oil		L	65	