

GR 2403

Motor Grader



PERFORMANCE CHARACTERISTICS

- » Energy saving and noise reduction : adopt low speed engine transmission line, low fuel consumption and energy saving and environmental protection; the transmission system is equipped with low speed ratio, and the average fuel consumption is reduced by about 8%. Three levels of engine, cab and seat vibration reduction; The cab is supported by six points; Deceleration of engine, cooling fan with large diameter, sound absorption sponge inside the hood, good sealing of the cab reduces noise of the whole machine.
- » Strong power : Shangchai efficient China stage III engine and hydraulic torque converter, the optimal torque converter achieves the best matching of torque converter and engine, reducing the start time, increase the work of tread tires, the adhesion can be increased by 10% in loosing soil and leveling, further enhance the power output.
- » Rotation with load : improve the pressure of hydraulic system, the rotary force of the blade, the high frequency quenching treatment improves the wear resistance and life span, and realize the rotation operation.
- » Efficient operation: improves the displacement of hydraulic pump and hydraulic motor, increase the oil cylinder speed by 20%, realizes the industry leading work efficiency, the optimized blade shape can turn and remove the soil quickly and efficiently, and realize optimal load distribution and the minimum material accumulation within the rotary disc area.



GR 2403 is mainly used for large ground surface leveling, ditching, slope scraping, bulldozing, scarifying, snow removal for large areas such as highway, airports, farmlands etc. It is the necessary construction machinery for national defense construction, mine construction, urban and rural roads, and mine roads construction and water conservancy construction, farmland improvement and so on.



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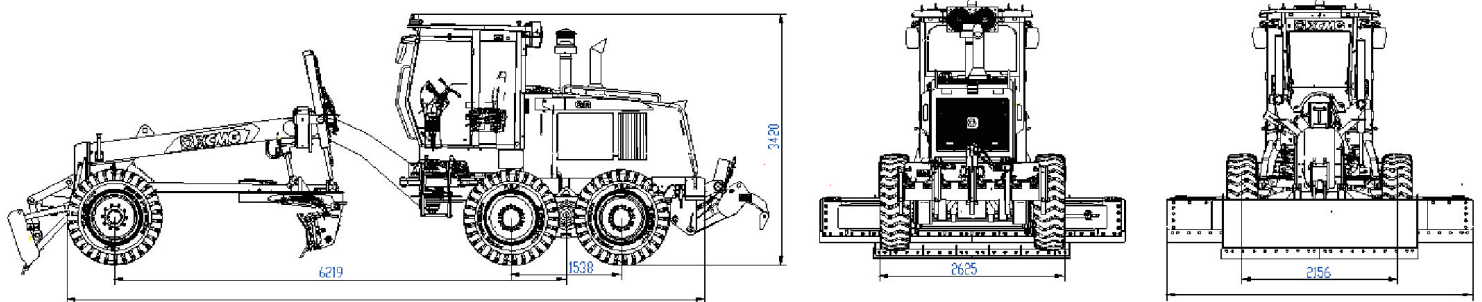
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Main Specifications

	Item	Unit	GR 2403	
Basic Parameters	Engine model		QSB6.7	
	Rated power/speed	kW / rpm	178/2000	
	Overall dimension (standard)	mm	8970 x 2625 x 3420	
	Total weight (standard)	kg	17000	
	Tire specification		17.5 - 25	
	Ground clearance (front axle)	mm	430	
	Tread	mm	2156	
	Space of front and rear axles	mm	6219	
	Space of middle and rear wheels	mm	1538	
Performance parameters	Forward velocity	km / h	5, 8, 11, 19, 23, 38	
	Reverse speed	km / h	5, 11, 23	
	Tractive effort $f=0.75$	kN	≥ 87	
	Maximum gradeability	%	≥ 25	
	Inflation pressure of tires	kPa	260	
	Working system pressure	MPa	20	
	Transmission pressure	MPa	1.3 - 1.8	
Working parameter	Maximum steering angle of front wheels	o	± 48	
	Maximum inclination angle of front wheels	o	± 17	
	Maximum swing angle of front axle	o	± 15	
	Maximum swing angle of balance box	o	15,15 front 15, rear 15	
	Maximum steering angle of frame	o	± 27	
	Minimum turning radius	m	73	
	Blade	Maximum lifting height	mm	400
		Maximum shoveling depth	mm	500
		Maximum lateral inclination angle	o	90
		Cutting angle	o	28-70
Slewing angle		o	360	
Length x chord height	mm	3965 x 610		
Oil filling amount	Coolant	L	50	
	Fuel tank	L	280	
	Engine	L	24	
	Transmission	L	38	
	Balance box	L	46	
	Drive axle	L	28	
	Hydraulic oil	L	110	



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