

GR2403



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Motor Grader

The GR2403 motor grader is mainly used for ground leveling, ditching, slope scraping, bulldozing, scarification, snow removal for large areas such as highway, airports, farmlands etc. It is the necessary construction machinery for national defense construction, urban and rural roads, and water conservancy construction, farmland improvement and so on.

Performance and characteristics

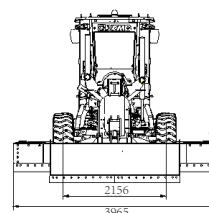
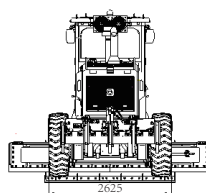
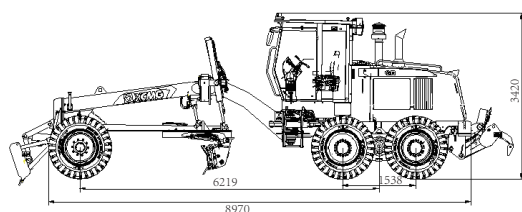
- Energy saving and noise reduction: adopt low speed engine transmission line, low fuel consumption and energy saving and environmental protection; The transmission system is equipped with low speed ratio, and the average fuel consumption is reduced by about 8%. Three levels of engine, cab and seat vibration 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: Dongfeng Cummins 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 torque output at low speed, strong and powerful. The optional heringbone tread tires, the adhesion can be increased by 10% in loosening soil and leveling, further enhance the power output.

Main Dimensions

Unit: mm



Main specifications

Item	Content		Unit	GR2403	
Basic parameters	Engine type		-	QSB6.7	
	Rated power/Speed		rpm	178kW/2000	
	Machine dimension(standard)		mm	8970×2625×3420	
	Machine weight(standard)		kg	17000	
	Tyre specification		-	17.5-25	
	Ground clearance (Front axle)		mm	430	
	Wheel base		mm	2156	
	Axle distance between front and rear		mm	6219	
	Wheel base between middle and rear		mm	1538	
Performance parameters	Forward speed		km/h	5、8、11、19、23、38	
	Rearward speed		km/h	5、11、23	
	Traction force f=0.75		kN	≥87	
	Maximum gradeability		%	≥25	
	Inflation pressure of tire		kPa	260	
	Work system pressure		MPa	20	
	Transmission pressure		Mpa	1.3—1.8	
Working parameters	Maximum steering angle of front wheel		°	±48	
	Allowable angle of inclination of front wheel		°	±17	
	Maximum swinging angle of front axle		°	±15	
	Maximum swinging angle of balance box		°	Front 15, rear 15	
	Maximum steering angle of frame		°	±27	
	Minimum turning radius		m	7.3	
	Blade	Maximum lifting height		mm	400
		Maximum scraping depth		mm	500
		Maximum tilt angle		°	90
		Cutting angle		°	28—70
		Angle of revolution		°	360
Length × Height		mm	3965×610		
Oil filling capacity	Coolant		L	50	
	Fuel tank		L	280	
	Engine		L	24	
	Transmission box		L	38	
	Balance box		-	73L×2	
	Drive axle		L	25	
	Braking house		-	9L×4	
	Hydraulic oil		L	110	

Notes:

Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.

