

GR215A



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Motor Grader

GR215A 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 and mining areas. 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.

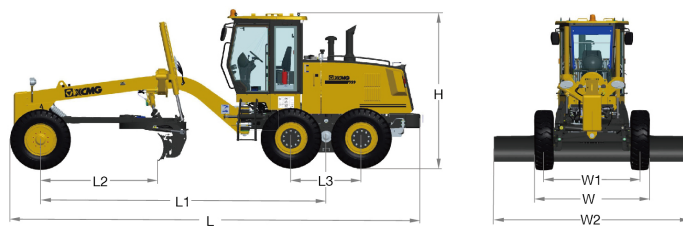
Performance and characteristics

- **Powerful and vigorous:** All-Wheel Drive increases traction force by 30%, Cummins stage II turbocharged engine matched optimum torque converter, reducing the start time, maximizing torque output at low speed.
- **Swivel under load:** improved pressure of hydraulic system, improved swivel force of the blade, high frequency quenching treatment of gear rings, enhancing the wear resistance and life span of the blade.
- **High efficiency:** optimized blade shape for fast and efficient work, optimal load distribution minimizes material accumulation within the rotary disc.
- **Safety and reliability:** CAE optimized structural parts, reliable and durable; patented slewing bearing drive axle for long lifetime and higher reliability. Overload protection worm gear box, slewing bearing device, for more application range; front axle casting joint has a longer lifetime.
- **Maneuverability:** XCMG patented single oil cylinder large steering angle front axle, combined with articulated frame, achieving a small turning radius.
- **Maintenance accessibility:** large opening engine hood for easy access to service parts.

Main dimensions

Unit: mm

Model	L	L1	L2	L3	H	W	W1	W2
GR215A	9180	6219	2594	1538	3420	2625	2156	4270



Main specifications

Item	Content		Unit	GR215A
Basic parameter	Engine model			6CTA8.3-C215
	Rated power/speed		kW/rpm	160/2200
	Machine dimension(standard)		mm	9180×2625×3420
	Machine weight(standard)		kg	16100
	Tire specification			17.5-25
	Wheel track		mm	2156
	Axle distance between front and rear		mm	6219
	Minimum ground clearance		mm	430
	Wheel base between middle and rear		mm	1538
Performance parameters	Drive speed, forward		km/h	5/8/11/19/23/38
	Drive speed, reverse		km/h	5/11/23
	Traction force f=0.75		kN	≥118
	Maximum gradeability		%	≥30
	Tire inflation pressure		kPa	260
	Work system pressure		MPa	18
	Transmission box pressure		Mpa	1.3-1.8
	Maximum steering angle, front wheel		°	±50
	Allowable tilt angle, front wheel		°	±17
Working parameters	Maximum oscillation, front axle		°	±15
	Maximum oscillation, balance box		°	±15
	Maximum steering angle, frame		°	±27
	Minimum turning radius		m	7.3
	Blade	Maximum lift above ground	mm	450
		Maximum cutting depth	mm	500
		Maximum tilt angle	°	90
		Cutting angle	°	28—70
		Swivel angle	°	360
		Length × Height	mm	4270×610
Capacities	Coolant		L	50
	Fuel tank		L	280
	Engine		L	24
	Transmission box		L	38
	Balance box		L	46
	Drive axle		L	28
	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.



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