

GR1905T



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Motor Grader

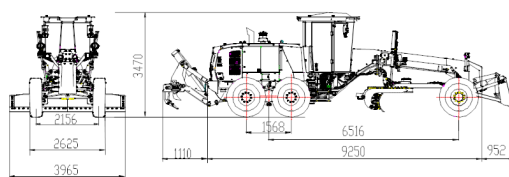
The GR1905T motor grader is mainly used for ground leveling, ditching, slope scraping, bulldozing, scarification, snow removal for large areas such as highway, airports, farmlands etc. It is the necessary construction machinery for urban and rural road construction and water conservancy construction, farmland improvement and so on.

Performance and characteristics

- The technologically advanced cab is equipped with a heating and cooling integrated air conditioner, reverse camera, split control console, touchable LED display, adjustable comfortable seat, and ergonomic function switches, providing users with unparalleled operating and visibility experience.
- To handle extreme working conditions, it is equipped with a high-efficiency drive turbine box, large-module highly wear-resistant slewing ring, and heat-treated blade guide rails to achieve loaded slewing. The reinforced front and rear axles ensure long service life and higher reliability. Adopts load-sensing hydraulic technology with low power loss in the hydraulic system, whose efficiency is much higher than conventional hydraulic systems. It enables multi-channel control, synchronized compound motions, light operating force, constant speed, and precise micro-control. The blade features an optimized curved radius, which enhances its earth-turning performance.

Dimension in working configuration

Unit: mm



Main specifications

Item			Unit	Parameter
Basic Parameters	Engine model		-	QSB6.7
	Engine Displacement		L	6.7L
	Rated power/speed		-	142kW/2200rpm
	Overall dimensions (standard configuration)		mm	9250×2625×3470mm
	Overall weight (standard configuration)		kg	15400 kg
	Tyre specification		-	17.5-25
	Wheel track		mm	2156mm
	Distance between front and rear axles		mm	6516mm
	Cutter Head Diameter		mm	1422mm
	Minimum Ground Clearance of Front Axle		mm	610mm
	Distance between middle and rear wheels		mm	1568mm
Performance Parameters	Forward speed		km/h	5、8、13、18、30、47km/h
	Reverse speed		km/h	5、13、30km/h
	Traction f=0.75		kN	83 kN
	Maximum gradeability		%	≥40%
	Tyre inflation pressure		kPa	260kPa
	Type of Hydraulic System		-	Open System
	Working system pressure		MPa	24.5MPa
Working Parameters	Gearbox pressure		Mpa	1.3—1.8Mpa
	Maximum steering angle of front wheel		°	±48°
	Maximum tilting angle of front wheel		°	±18°
	Maximum swinging angle of front axle		°	±16°
	Maximum swinging angle of balance box		°	±15°
	Maximum steering angle of frame		°	±25°
	Minimum turning radius		m	7.4m
	Shovel blade	Maximum lifting height	mm	520mm
		Maximum shoveling depth	mm	750mm
		Side Shift Distance Left / Right	mm	Left 655 mm / Right 655 mm
		Maximum tilting angle	°	90°
		Cutting angle	°	Front 40°; Rear 5°
		Length × Chord height	mm	3660X610X20mm
Oil Filling Volume	Coolant		L	50L
	Fuel tank		L	380L
	Engine		L	24L
	Gearbox		L	38L
	Balance box		L	120L
	Driving axle		L	36L
	Hydraulic oil		L	100L

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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