

# XCMG FOR YOUR SUCCESS

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GR2605 GRADER



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### Maneuverability highlights

Three-dimensional all-round air-conditioning system

>Integrated with the interior design of three-dimensional air duct and air conditioning, the user can work in a pleasant temperature environment.

Air suspension seat for higher comfort

>The comfortable air suspension seat can be adjusted up and down, front and rear, angle and other directions, and also has an electric heating function to meet the various needs of users.

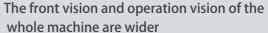
Optimized cab control layout, more comfortable operation

>The layout of various control switches, joysticks, and pedals in the cab meets the needs of ergonomics and is more comfortable and convenient.

#### **Humanized Settings**

>A variety of user-friendly settings such as the dinner plate in the cab, water cup holder, sunshade, fan, footrest, charging port, and mobile phone holder, provide users with more considerate services.





>The optimized cab structure improves the front vision and operation vision.

Wide-angle rearview mirror inside the cab and dual rearview mirrors on both sides

>Optimized interior rearview mirrors in the cab and dual rearview better convenience and driving safety

### Electronically controlled dual joysticks, more labor-saving operation

>A variety of electronic control joysticks, such as oil cylinder control, gear, steering, and differential lock, are controlled in one, which greatly reduces the labor intensity of the operator

Integrated CAN key panel, more convenient >The application of the CAN key panel in the cab has a high degree of integration, Intelligent fault diagnosis system

>The intelligent fault diagnosis system can quickly query equipment data and provide users with convenient fault detection and troubleshooting functions

#### Optional 2D/3D automatic leveling system

>The 2D/3D automatic leveling system can be installed as an option to make the leveling operation of the whole machine simpler and more accurate, reduce the requirements on the operator, and meet the leveling requirements of

#### Load-sensitive hydraulic system

>Load-sensitive hydraulic system provides better control, more sensitive response and Temperature controlled independent cooling system

>The speed of the fan can be changed according to the monitored temperature change, more energy-saving and noise-reducing





## Safety highlights

#### Spacious and comfortable ROPS&FOPS cab

>The optimized cab skeleton mechanism meets ROPS&FOPS requirements and provides users with a safer guarantee.

#### Secondary steering system

>When the main steering system fails, it can play a role in assisting emergency transformation and provide users with a safer guarantee.

#### Double emergency stop control

> Two emergency stop control switches are arranged outside the machine and inside the cab to provide users with better safety guarantees.

#### Double circuit breaker

>The application of double circuit breaker can provide more convenient service for maintenance work

#### Hydraulic locking function

The hydraulic locking function can prevent the hydraulic system from misoperation when the equipment is running, and provide safe driving guarantee for users

#### Reversing camera system

>The integrated reversing image system allows unobstructed views of the rear.

### Realize the fuel filling on the ground, more safer and more convenient

>Optimize the position of the fuel tank to fill the ground with fuel, avoid climbing, and make the operation safer

#### More comprehensive lighting system

>The whole machine is equipped with a variety of signal lights, lighting, work lights and maintenance lights to provide more intimate security for night operation.



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### Reliability highlights

Equipped with slewing bearing and overload protection circle drive Heavy-duty front axle

>Equipped with large modulus, high strength slewing bearing and optimized overload protection circle drive, the operation device of the whole machine is more reliable and

Integral angular device

>The integral angle device can bear more uniform force and stronger load

>The optimized front axle structure, the use of cast front axle steering joint and tilt joint, variable cross-section mandrel design greatly improve the service life of the

Wet brake drive axle

>Wet brake drive axle makes maintenance more convenient and provides users with more reliable and better

#### Electronic parking system

>The electronic parking system has better integrated control with the whole machine, and the parking performance is more reliable.

#### Double circuit service brake system

>The dual-circuit hydraulic service brake system improves the reliability of the brake system and provides users with sufficient safety guarantee

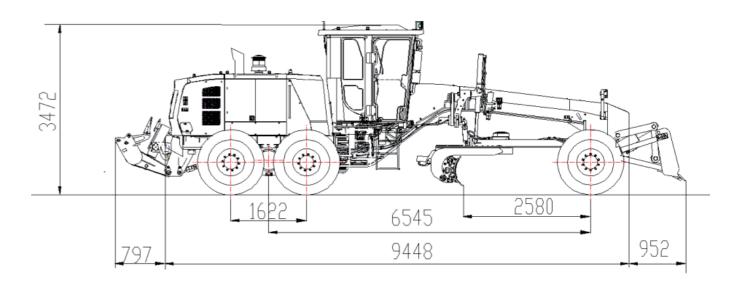


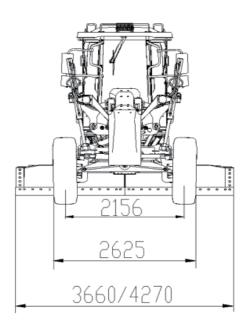
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# GR2605T3 motor grader technical parameter table

	ltem		GR2605
Basic parameter	Engine model		QSL8.9
	Rated power/Speed		194kW/2200rpm
	Overall dimension (standard)		9448×2625×3472mm
	Total weight(standard)		19000 kg
	Tyre specification		17.5R25
	Ground clearance (Front axle)		592mm
	Tread		2156mm
	Axle distance between front and rear		6545mm
	Tread between middle and rear wheel		1622mm
Performance parameter	Forward speed		4.9、8、11、17.9、24.7、40.2km/h
	Rearward speed		4.9、11、24.7km/h
	Traction force f=0.75		≥99kN
	Maximum gradeability		≥25%
	Inflation pressure of tire		425kPa
	Working system pressure		24.5MPa
	Transmission pressure		1.85-2.2Mpa
Working parameters	Maximum steering angle of front wheel		±49°
	Maximum tilt angle of front wheel		±18°
	Maximum swinging angle of front axle		±16°
	Maximum swinging angle of tandem		Front15° 、rear15°
	Maximum steering angle of frame		±25°
	Minimum turning radius		7.6m
	Blade	Maximum lifting height	452mm
		Maximum shoveling depth	755mm
		Maximum tilt angle	90°
		Cutting angle	Front40°, rear5°
		Slewing angle	360°
		Length × Chord height	3965×610mm
Oil filling capacity	Coolant		50L
	Fuel tank		418L
	Engine		24L
	Transmission		38L
	Tandem		Each 85L
	Drive axle		44L
	Hydraulic oil		193L





GR2605Grader P07/08