

Motor Grader GR2605



EU STAGE V/TIER 4F



XCMG North America Corporation
5145 Schirlls St Las Vegas, NV 89118
Email: xcmgna@xcmg.com
Phone: 725-605-2777
Web: www.xcmg-usa.com



INTRODUCTION OF XCMG

XCMG, as a leading enterprise valued of 100 billion RMB, with the largest scale, the best technology level, the largest export volume, and high competitiveness and influence in China's construction machinery industry, has been occupying the first place in China's construction machinery industry for decades, and it now ranks the third in the world industry and the 395th among the world's top 500 brands.

The main products by XCMG consists of 16 categories of equipment such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earth-moving machinery and road machinery, etc., as well as three categories of key components such as hydraulic system, transmission system and electric control system. Among above-mentioned, hoisting machinery ranks first in the world, and package solution of road construction and maintenance machinery, piling machinery and concrete machinery are among the first-class bloc in the world.

XCMG has accumulated more than 8000 approved patents, including more than 1900 invention patents and more than 130 PCT international patents. Entities of R&D centers, manufacturing plants or KD factories are in operation in more than 10 countries such as Germany, the United States, Brazil and India, XCMG has also acquired three European enterprises including Schwing in Germany. The Brazil manufacturing plant, with an investment of 350 million dollars to build up factories on a bare ground, has become a model of economic cooperation between China and Brazil. At present, XCMG products are exported to 187 countries and regions, covering 97% of the countries along "The Belt and Road" area. In export business to 35 countries, XCMG's proportion ranks NO. 1, with a steady first place within Chinese industry in terms of annual export volume and overseas income.

Highlights of GR2605

GR2605 Motor grader is one of the key earthmoving machineries used for finishing and leveling of ground surface and stable layer at highways, airports, and other massive job sites. In recent years, with the application expanding and high productivity, the use of grader has been promoted in bulldozing and paving of roadbed mixture, reconditioning of original landforms, etc. Besides, it can be applied to snow removing in cold region. Thanks to its extraordinary comfort, reliability, and adaptability, GR2605 becomes the preferred choice for road construction.



Highlights

Higher safety

- 1 > Double E-stop control
- > Fuel filling from ground
- > Reversing camera system
- > Double circuit service braking
- > ROPS&FOPS Cabin
- > Broader lighting system
- > Hydraulic lock technology

Comfortable control environment

- 2 > Operator-friendly configuration
- > Optimized control layout inside cab
- > Air suspension seat
- > Reduced noise in the cabin
- > Good ergonomics

Intelligent control system

- 3 > Load sensing hydraulic system
- > Electric double lever control
- > Cruise control function
- > Articulation automatic centering
- > Hydraulic lock technology
- > Blade floating function
- > Integrated snow blade control
- > Temperature control independent cooling

Robust power train system

- 4 > Cummins L9 Stage V engine
- > Gear-driven drive axle
- > Autoshift transmission box

Higher reliability

- 5 > Overload protection worm box
- > With slewing bearing
- > Integral angular displacement sensor
- > Durable frame construction

Superior adaptability

- 6 > Superior cooling performance
- > Standard hydraulic pull pin
- > Blade accumulator
- > More options





Higher safety

Double E-stop control

> Two E-stop control switches are arranged outside the machine and inside the cab to provide users with better security.

Refueling from ground

> Optimization of fuel tank position can realize fuel filling from the ground, ensure safer operation.

Reversing camera system

> Integrated reversing image system, keep rear view in a glance.

Double circuit service brake

> Double circuit braking is adopted to improve braking safety

ROPS&FOPS cabin

> To provide safety for the operator, improve the safety of operation.

All-around lighting system

> The machine is equipped with a variety of signal lights, headlights, LED work lights, provide a more intimate security for night work.

Hydraulic lock technology

> Prevent maloperation in the process of driving, improve control safety.





Comfortable control environment

User-friendly configuration

> Its cabin is configured with cup holder, fan, rest pedal, charging port, mobile phone holder and other user-friendly devices, providing operators more intimate services.

> Super air volume of A/C conditioner

Optimized control layout

> More comfortable control layout.

> Easier to operate.



Air suspension seat

> Electrical heating air suspension seat can be adjusted to fit operators.

Reduced noise in the cabin

> Multiple damping and noise reduction technologies provide users with a quiet operating environment.

Good ergonomics

> Device information, system operating status parameters, time setting, and fault queries.





Intelligent control system

Load sensing hydraulic system

- > More accurate control, good controllability
- > Sensitive system response

Electric double lever control

Integrate the cylinder control, gear selection and other functions, improving operating comfort.

Cruise control

To meet the operation needs of more users and reduce labor intensity.



Articulation automatic centering

- > One key articulation centering function improves the operation efficiency.

Blade floating

- > Integrated blade floating function meets the special construction needs.

Integrated snow blade control

- > Reduced labor fatigue due to simple and easy control.

Temperature control independent cooling

- > Variable fan speeds are more energy saving and noise reduction.



Robust power train system

Cummins L9 Stage V engine

> More powerful and larger torque with variable power control technology for higher energy efficiency;



Autoshift transmission box

> Super wide high efficiency zone, higher transmission efficiency

> Autoshift function provides users with more convenient control



Gear-driven drive axle

> Gear drive mode offers high transmission efficiency and higher bearing capacity;

> Wet brake is more reliable and durable;

> Hydraulically controlled differential lock better realizes the turning differential speed function.



Higher reliability

ECO energy-saving control:

> Optimize overload protection performance, effectively prevent the impact load damage to the operating device

Slewing bearing

> Long service life, free maintenance, low maintenance cost

Integral angle sensor

> Improved load capacity of working device

Durable frame structure

> FEA(finite element analysis) optimized frame structure is more robust and reliable.



Superior adaptability

Superior cooling performance

> Optimized matched cooling performance ensure normal working under 50°C(122° F) ambient temperature.

Standard hydraulic pull pin

> Standard hydraulic pull pin for convenient blade adjustment

Blade accumulator

> Better absorbs impact load of the blade

More options

> Optional contents include centralized lubrication system, side snow blade, rear ripper, front blade, battery heating system, fuel heater, pressurized cabin, compaction wheel etc.



Technical Specification

| Item | GR2605(Metric) | | GR2605(in) | |
|------------------------|--------------------------------------|---------------------------|--------------------------------------|--|
| Basic parameters | Engine model | | L9 | |
| | Rated power/speed | | 194kW/2100rpm | |
| | Machine dimension(standard) | | 9448*2895*3500mm | |
| | Machine weight(standard) | | 20000 kg | |
| | Tire specification | | 17.5R25 | |
| | Wheel track | | 2450mm | |
| | Axle distance between front and rear | | 6625mm | |
| Performance parameters | Wheel base between middle and rear | | 1771mm | |
| | Drive speed, forward | | 5.6, 9.1, 12.5, 20.2, 27.4, 43.2km/h | |
| | Drive speed, reverse | | 5.6, 12.5, 27.4km/h | |
| | Traction force f=0.75 | | ≥103kN | |
| | Maximum gradeability | | ≥25% | |
| | Tire inflation pressure | | 425kPa | |
| | Work system pressure | | 24.5MPa | |
| Working parameters | Transmission box pressure | | 1.85-2.2Mpa | |
| | Maximum steering angle, front wheel | | ±49° | |
| | Allowable tilt angle, front wheel | | ±18° | |
| | Maximum oscillation, front axle | | ±16° | |
| | Maximum oscillation, balance box | | Front 15°, rear 15° | |
| | Maximum steering angle, frame | | ±25° | |
| | Minimum turning radius | | 7.8m | |
| | Blade | Maximum lift above ground | 452mm | |
| | | Maximum cutting depth | 755mm | |
| | | Maximum tilt angle | 90° | |
| | | Cutting angle | Front 40° rear 5° | |
| | | Swivel angle | 360° | |
| Capacities | Length * height | | 4270*610mm | |
| | Coolant | | 50L | |
| | Fuel tank | | 352L | |
| | Engine | | 24L | |
| | Gearbox | | 38L | |
| | Balance box | | 48L each | |
| | Brake | | 7L each | |
| | Drive axle main reducer | | 23L | |
| | Hydraulic oil | | 193L | |

Overall dimension



| Model | L | L1 | L2 | L3 | H | W | W1 | W2 |
|--------|-------|-------|-------|------|-------|-------|------|-------|
| Metric | 9448 | 6625 | 2580 | 1696 | 3500 | 2895 | 2450 | 4270 |
| in | 371.9 | 260.8 | 101.6 | 69.7 | 137.8 | 113.9 | 96.5 | 168.1 |

Optimum Services , XCMG Guaranteed



XCMG approved
attachments



Genuine parts



Financial
solutions



Maintenance
contract



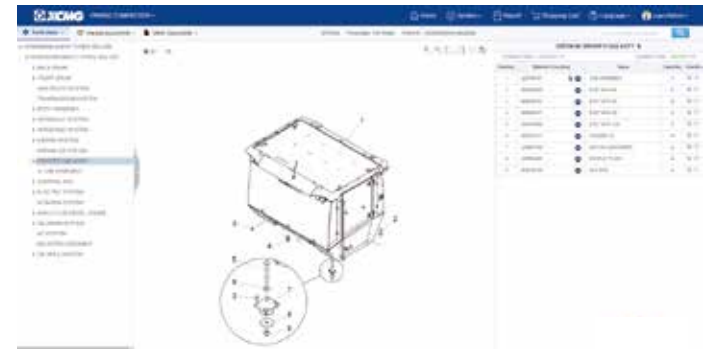
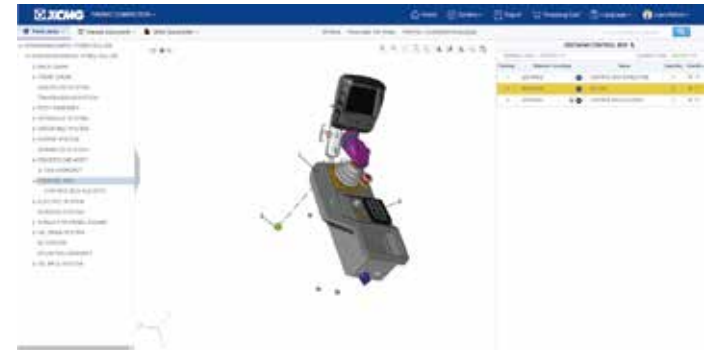
Full Range of Services Ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of services are available in order to reduce your total cost of ownership and increase your revenue.

Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.

XCMG Global Spare parts System



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery

