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י.ד.שחקים
ציוד לתשתיות ובנייה

ניד בן נון 0517-908-050



GR2605E

Motor Grader



י.ד.שחקים
ציוד לתשתיות ובנייה

1

Road maintenance

Maintenance of existing road groove and shoulder maintenance; manufacture of road surface and shoulder; removal of protective materials

2

Road construction

Passing and paving operations of leveling subgrade and site materials

3

Roadside renovation

Roadside slope scraping, trench excavation and shoulder shaping operation.

4

Pavement neatness

Finishing operation of classified highway surface, airport road surface, and other large areas of road surface

5

Spreading and mixing materials

Storage material spreading and mixing operations

9 working conditions for XCMG graders

XCMG graders can meet special environmental requirements.

6

Leveling and maintenance of mine pavement

Open-pit mine pavement gravel cleaning and road construction operations

7

Ice and snow removal

Clean up snow and ice on the road.

8

Primitive landform leveling

Cleaning and leveling of original landforms such as shrubs and primitive jungles

9

Hard soil loosening

Loosening and ripping operations on hard ground



Plateau environment
It can meet requirements at height above 4500 meters (some models).



Cold region environment
It can meet the low temperature environment of -40 (some models).



High temperature desert environment
It can meet the high temperature environment of 55°C (some models).

Technical highlights



Reliable and durable working device

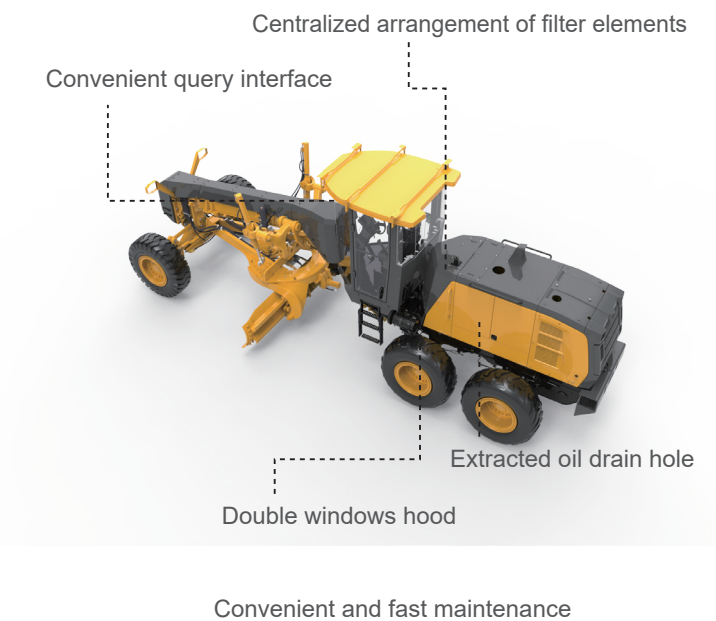
1. Overload protection worm-gear box and collision buffering are used to extend its service life, increase rotary force by 60% and achieve loaded slewing.
2. High strength slewing ring is used to realize stronger carrying capacity and longer service life.
3. Integral angular positioner with high strength and more even stress adapts to severe conditions.

Advanced and stable hydraulic system

1. The cylinder has a constant speed and better maneuverability.
2. It can be used to realize composite actions, composite actions of multiple cylinders, and improve operation efficiency.
3. More responsive and faster response of the system.

Drive axle with high reliability

Inside the axle is heavy duty chain to increase carrying capacity by 35%.





Safe and comfortable driving configuration

- 1.Electrically controlled dual-handle control for more labor-saving operation and low labor intensity
- 2.Adopt air suspension adjustment seat, equipped with electric lumbar support, highcomfort
- 3.Using LED high-definition touch display, convenient operation and vivid color
4. Internally equipped with DC 24V, DC12V, multiple power interfaces
5. Narrow face design without front pillar, board view
6. Optional pressurized cab to improve air quality inside the vehicle

XCMG Motor Grader - GR2605E		
Part	Manufacturer	
Engine	Cummins L9 (Stage V)	USA
Transmission	DANA TMG14	China
Rear Axle	Graziano	Italy
Piston Pump	Danfoss	USA
Fun Pump Motor	Casappa	Italy
Valve Bank	Husco	USA
Brake Valve	Mico	USA
Air Conditioner	YSD	Japan

Industry-leading technology

Load sensitive technology

AT gearbox technology



Four-bar linkage swing

Locking technology of torque converter

Temperature controlled independent cooling system

Load sensitive technology

1. Plunger pump hydraulic system, without improving power of the engine, as hydraulic action can be taken quickly and in place. Meanwhile, composite actions of multiple cylinders can be satisfied to improve operating efficiency of the manipulator;
2. Hydraulic system is more sensitive to help fine leveling.

AT gearbox technology

Integrated manual and automatic gearbox with automatic gear shifting is used by users to realize more convenient operation.

Temperature controlled independent cooling system

Temperature controlled independent cooling system is used; speed of the fan is changed according to change of actual temperature, so as to save energy and reduce noise.

Locking technology of torque converter

Locking technology of torque converter is used to further increase transmission efficiency of drive system and operation efficiency.

Four-bar linkage swing

1. Four-bar linkage swing is provided to realize larger movement range of shovel blade, so as to scrap the slope and ditch conveniently.
2. Hydraulic automatic pull pin is provided to realize more convenient operation.



Applications



XCMG GR2605 in Inner Mongolia



XCMG GR3505 in The Democratic Republic of the Congo

Main Specitication

Basic parameter	Parameters
Engine type	CUMMINS L9
Rated power/speed	209/2100kW/rpm / 280HP
Machine dimension (standard)	9448X2625X3368mm 371.97X103.35X132.60in
Machine weight (standard)	19000kg / 41887.83lb
Tire specification	17.5R25
Axle distance between front and rear	6545mm / 257.7in
Wheel base between middle and rear	1522mm / 60in

Performance parameter	Parameters
Forward speed	40.2km/h / 25mile/h
Rearward speed	24.7km/h / 15.4mile/h
Traction force f=0.8	106kN / 23.8kip
Maximum grade ability	>25%
Inflation pressure of tire	425kpa / 61.6Psi
Work system pressure	24.5MPa / 245bar

Working parameter	Parameters
Maximum steering angle of front wheel	±49°
Allowable angel of inclination of front wheel	±18°
Maximum swinging angle of front axle	±16°
Maximum swinging angle of balance box	±15°
Maximum swinging angle of frame	±25°
Maximum lifting height	452mm / 17.8in
Maximum scraping depth	755mm / 29.7in
Cutting angle	90°
Angle of revolution	front 40° back 5°
Length X height	4270X610mm 168in (14ft) X24in

Oil filling capacity	Parameters
Fuel tank	352L / 77.4UK gal
Transmission box	38L / 8.4UK gal
Balance box	170L / 37.4UK gal
Drive axle	44L / 9.7UK gal
Hydraulic oil	245L / 53.9UK gal

Optional configuration

2D Automatic leveling system
3D Automatic leveling system (double GPS)
3D Automatic leveling system (singel GPS)
Bulldozer、Rear ripper
Oil bath type prefilter
Fuel fast fill system
Sample and fill system

Fuel heater
Battery heating system
Automatic Grease System
Fire Suppression System

