

Motor grader MG1320H

Our sufficient experience in supplying motor graders allows us to manufacture high quality and low cost wheel loaders, backhoe loaders, motor graders and more heavy equipment machines. These heavy equipment machines are ISO9001: 2000, CE, TIRE III, and GOST certified.

Top Class Motor Grader are generally characterized by the following features.

1. Our Top Class backhoe loaders meet Euro CE standards.
2. ROPS/FOPS cab
3. The imported engines meet European

Note:

1. Working cycle time equals the sum of the raising time taken by the swing arm, the descending time of the swing arm, and the rolling time of the bucket.
2. We reserve the right to make changes to the configuration and specification of our products without prior notice due to the continuous technical improvements of CG construction machines.

MG1320H (CE) Top Class motor grader has the following features:

1. It has been awarded CE certificate by TUV.
2. This Top Class motor grader is powered by Cummins QSB6.7 engine, which meets EURO III, EPA Tier III standards.
3. It adopts a German ZF transmission: 6-speed (forwards) and 3-speed (reverse).
4. This heavy equipment machine is equipped with an imported multi-way valve, accumulator and other braking components.
5. Its independent cooling system is driven by a hydraulic motor.
6. This Top Class motor grader has a spacious ROPS/FOPS cab and a non-freon A/C.

High-performance Engine

Our MG1320H (CE) Top Class motor grader is powered by an imported U.S. Cummins engine QSB6.7, which is a turbocharged diesel engine that uses a water-cooling system. It is very powerful, highly efficient and reliable. It comes with a large torque backup and is economical in its fuel consumption. It has low noise and emission levels.

Transmission System with Quick Response

- This Top Class motor grader is equipped with a German 6WG200 ZF electro-hydraulic shift transmission: 6-speed in forward movement and 3-speed reverse.
- It is applicable to different working conditions.
- Its electric shift and neutral start protection device makes the shift

easier and smoother.

This greatly increases the machine's stability and efficiency while reducing the maintenance cost. Its service life is over 10,000 hours.

- This motor grader is economical and produces low levels of noise.

Balanced Hydraulic System

- The moldboard, front bulldozer and the rear ripper of this Top Classmotor grader is controlled by two groups of multi-way valves.

- Fitted with U.S. HUSCO valves

- The oil pressure is 17.5 Mpa.

- This road grader has high efficiency and is economical during long working periods. It can reduce the friction between the oil and hose, control the oil temperature and lengthen the service life of rubber sealing items.

Side Shifted Working Implement

A side shift working implement is fixed by an electro-hydraulic controlled taper pin. It has a wide range of movement and is rigid. The draw bar is of "Y" type with a solid core structure and is able to endure heavy loads.

Durable Draw Bar and moldboard

- Rigid "U" type solid framework.

- The front ripper keeps this Top Classmotor grader away from interferences and facilitates accurate shoveling.

- The turning circle of this grader is fixed on the draw bar by four adjustable metal plates and is driven by a hydraulic motor and turbine reducer.

Comfortable and Safe Driving Conditions

- This Top Classmotor grader has a ROPS/FOPS cab with CFC-free air-conditioning system.

- Its fully adjustable seat offers a comfortable working condition for the driver.

- Its large window provides good visibility.

- The control panel of this Top Classmotor grader adopts a short joystick, which is used for convenient operation of the working implements. The joystick will not block the view of the driver.

- Our patented spring operation device can be rectified or fixed using the footplates, making it convenient.

- The switches and instruments of this maintainer are suitably designed for easy operation and protection of the motor grader driver.

- This motor grader adopts an electronically-controlled engine cover that opens backwards. It allows easy maintenance of engine and radiator systems.

Item		Unit	Value
Operating Mass		kg	17100
	Model		QSB6.7
Diesel Engine	Rated Power	kW/hp	164/220
	Rated Revolution	r/min	2200
Overall Dimensions	Standard	L × W × H mm	8980x2600x3470
	With Optional Devices	L × W × H mm	10876x2600x3470
Wheel -base	Front Axle to Rear Axle	mm	6210
	Middle Wheel to Rear Wheel	mm	1553
Wheel track		mm	2150
Steering System	Max. Front Wheel Steering Angle	(°)	± 45
	Max. Articulated Wheel Steering Angle	(°)	± 20
	Min. Turn Radius	mm	7700
Moldboard	Length	mm/ft	3960/13
	Height (Arched Length)	mm	650
	Max. Tilt Angle	(°)	90
	Rotating Angle	(°)	360
	Cutting Angle Adjusting Range	(°)	42~73
	Max. Lift above Ground	mm	410
	Max. Digging Depth under Ground	mm	440
Scarifier (Optional)	Max. Shoulder Reach (Left/Right)	mm	1440/2090
	Scarifying Width	mm	1250
	Max Dozing Depth	mm	280
Rear-mounted Ripper (Optional)	Number of Teeth Shanks	Piece	11
	Max. Digging Width	mm	2000
	Max. Digging Depth	mm	315
Bulldozer (Optional)	Number of Shanks	Piece	5
	Width	mm	2740
	Height	mm	920
	Max. Dozing Depth	mm	205