

mahindra
CONSTRUCTION
EQUIPMENT

**THE MASTER OF
ROADBUILDING.
AND HIGHER
PROFIT TOO.**

ROADMASTER

G9595 *div*



With
iMAXX
Telematic Remote Care

ABOUT THE BRAND

Mahindra Construction Equipment is a part of The Mahindra Group - U.S. \$ 19.4 Billion global federation of companies. Standing tall and proud at 2 56 000 employees in over 100 countries across the globe.

With "Rise" as its governing spirit and backed by decades of manufacturing top-notch agriculture equipment and utility vehicles, The Mahindra Group has now boldly ventured into the construction equipment industry with products that implement breakthrough technology.

This journey began with the launch of our manufacturing unit in Chakan, Pune. Operating in a large area of 10 000 m², we use the latest State-Of-The-Art technology and fully automatic robotic welding units to create superior products with an impeccable finish.

Every single product goes through stringent and thorough quality checks with implementation of advanced NOVA-C before being rolled out.

AWARDS & RECOGNITION

'Best Design - Transformational Value Construction Equipment' at Yellow Dot Awards 2019.

'Best Value Construction Equipment', 'Innovative Product of the Year', at CIA World Awards 2020.

'Brand of the Year - Motor Grader' at the coveted Golden Globe Tigers 2018, Malaysia.

'Innovative Product of the Year 2017' at the prestigious Construction Times Award 2017

'Best Design Eco-friendly Construction Equipment' at Yellow Dot Awards 2017

'Innovative Product in Road Construction' at the coveted EPC World Awards 2017







THE MACHINE OF THE NATION

Developed to further develop India.

In a developing country like India, 75% of roads are either expansion projects or rural/semi urban plans where productivity is duly optimized. With a year-long, in-depth study of Indian roads and its infrastructure, 20 000+ days of product development, and 6000+ hours of extensive testing in various locations across the country, Mahindra's motor graders are the most optimized machines to help build a developing India.

850+ customers,

Road contractors, and other ecosystem entities involved across 13 states.

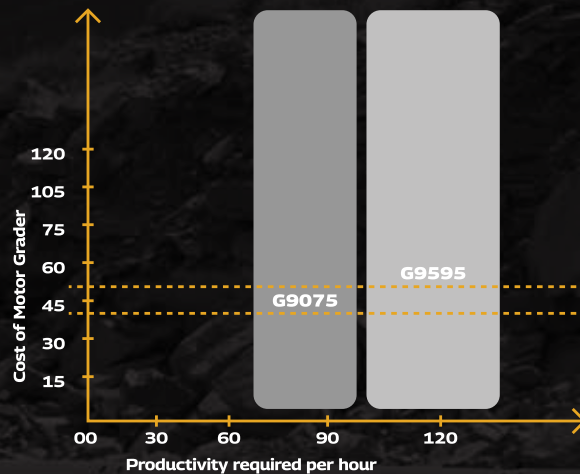
Designed by a 5000+ strong Mahindra R&D unit.

Manufactured at Mahindra's world-class Chakan Plant.

Robotic welding technology used for key structural components.

G9595 *div*

THE PROBLEM: UNDERUTILIZATION.



Underutilization of Motor Graders

Equipment	Avg. Daily Working (h/day)
Backhoe Loader	8 - 10 h
Excavator	8 - 12 h
Motor Graders	4 - 6 h

Most motor graders in developing countries are used 4-6 hours per day. There is a prominent underutilization because:

The motor graders are not purpose-designed specifically for these markets.
The supporting conditions like material availability on-site are also not optimal.

INCREASED PRODUCTIVITY AND OPTIMUM UTILIZATION

Highest fuel efficiency in the segment, just like our **BS IV** Backhoe Loader category.

Lowest per-hour scheduled maintenance cost. Lowest owning & operating cost in the industry.

G9595 is used for road construction such as SH, NH Expansion, National Highway, MDR, ODR Roads, Railways Construction.



Around
9 Tipper
material in
1 hour



BRAND-NEW BS IV ENGINE. DRIVING YOUR PROFITS HIGHER.

**MAHINDRA'S PROVEN ENGINE NOW
OFFERS BEST-IN-CLASS FUEL
EFFICIENCY FOR BETTER SAVINGS.**

Mahindra has taken its learnings from tractor engines to bring its fuel consumption down to an incredible **8-9* l/h.**, impacting the overall savings of our customers positively.

The **69.9 kW (95 HP) 3.5 litre, 4 cylinder** CRDI engine offers **401 Nm torque** for high-level grading performance.

The proven Mahindra engine offers assured reliability.

This is a low maintenance engine with a widespread availability of parts.



14% better torque
compared to BS III



CONTROL YOUR BUSINESS FROM YOUR POCKET



The Mahindra RoadMaster G9595 comes with the latest Mahindra IMAX Telematics technology. You can think of it as your personal assistant that updates you with vital information about your vehicle and your business.

Increased Control and Predictive Monitoring

- Vehicle Health Monitoring
- Battery & alternator health monitoring
- Engine temperature monitoring
- Active Diagnostic Trouble Codes

Vehicle Performance Report

- Engine hour report
- Daily vehicle report
- Hub Report
- Grader Operation Report

Alerts

- Geofence check-in and check-out
- Unscheduled operations
- Stoppages during transit
- Live Location with Address
- Historical location replay
- Nearby service stations

Fuel Level Analysis Fuel Efficiency Analysis

Operator Performance Management

Service Reminders Ad Blue Level Analysis

A PLETHORA OF FEATURES. A PROMISE OF PROFITABILITY.

HYDRAULICS



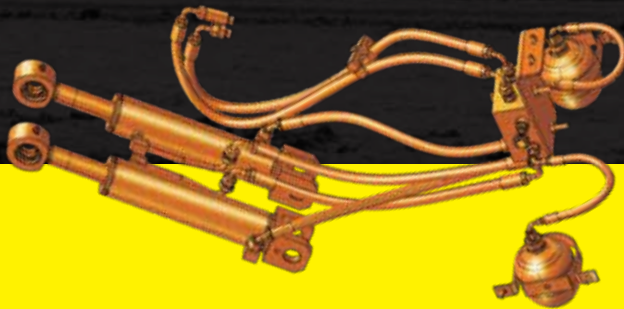
New and improved hydraulic pump for smooth performance. Higher maximum pressure around 20 MPa for more power on blade. Bigger size of 26+26 cm³ gear pump for increased per-hour productivity.

MOLDBOARD & BLADE RANGE



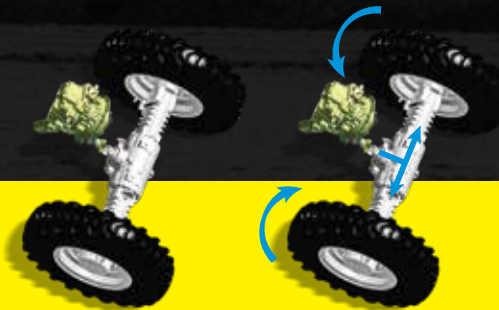
Longer moldboard base length, increased support, less vibration, and blade length of **3000 mm** for better quality work and finishing. Higher Rotation angle of around 50° from the transverse of the vehicle provides faster grading in heavy material. Blades easily accommodate between tyres while the machine is travelling. This helps in a smooth machine movement.

DAMPENING CYLINDER



Ensures comfort in road marching and stops fluctuation during grading in final cut. Ensures more comfort to the operator and better finishing during the last cut of grading.

FINAL DRIVE WITH DIFFERENTIAL LOCK



100% Mechanical Differential Lock helps in higher power generation and equal distribution of motion in the rear tyres. Ensures better performance in grading and is useful on muddy, marshy soils. The machine does not get stuck anywhere.

5 TYNE RIPPER



Optional Attachment: The RoadMaster G9595 comes with the option of having additional ripper fitments for added versatility. The Ripper is perfect for ripping hard compacted surfaces before grading.

HEAVY DUTY DOZER BLADE



Standard Attachment: The RoadMaster G9595 comes with the Standard Dozer Blade fitment. This adds power and efficiency in the grading process as the Dozer breaks the material stock in advance.

CONVENIENCE & COMFORT



Mahindra believes that the most important part of the machine is the person operating it. That's why we have worked hard to make the operator experience comfortable for long hours of work. Ergonomic layout and seating – so that all controls are smooth and easy to reach. Including spacious canopy, lockable storage and mobile charging.



AC/
HEATER



MUSIC
SYSTEM



FAN



COAT HANGER



MOBILE HOLDER



BOTTLE HOLDER

REACH & COVERAGE

Mahindra Construction Equipment dealers understand that this is a business about good after-sales support for the machines. We aim for customer satisfaction every time and understand that this means supporting the machine throughout its life.

Our strategy is to deliver the best customer support in our industry, putting our customer at the very heart of our business. In addition, Mahindra Construction Equipment and our dealerships aim to ensure minimum downtime of your machines. Here's how:

50+

Dealers across India

200+

Sales Executives

300+

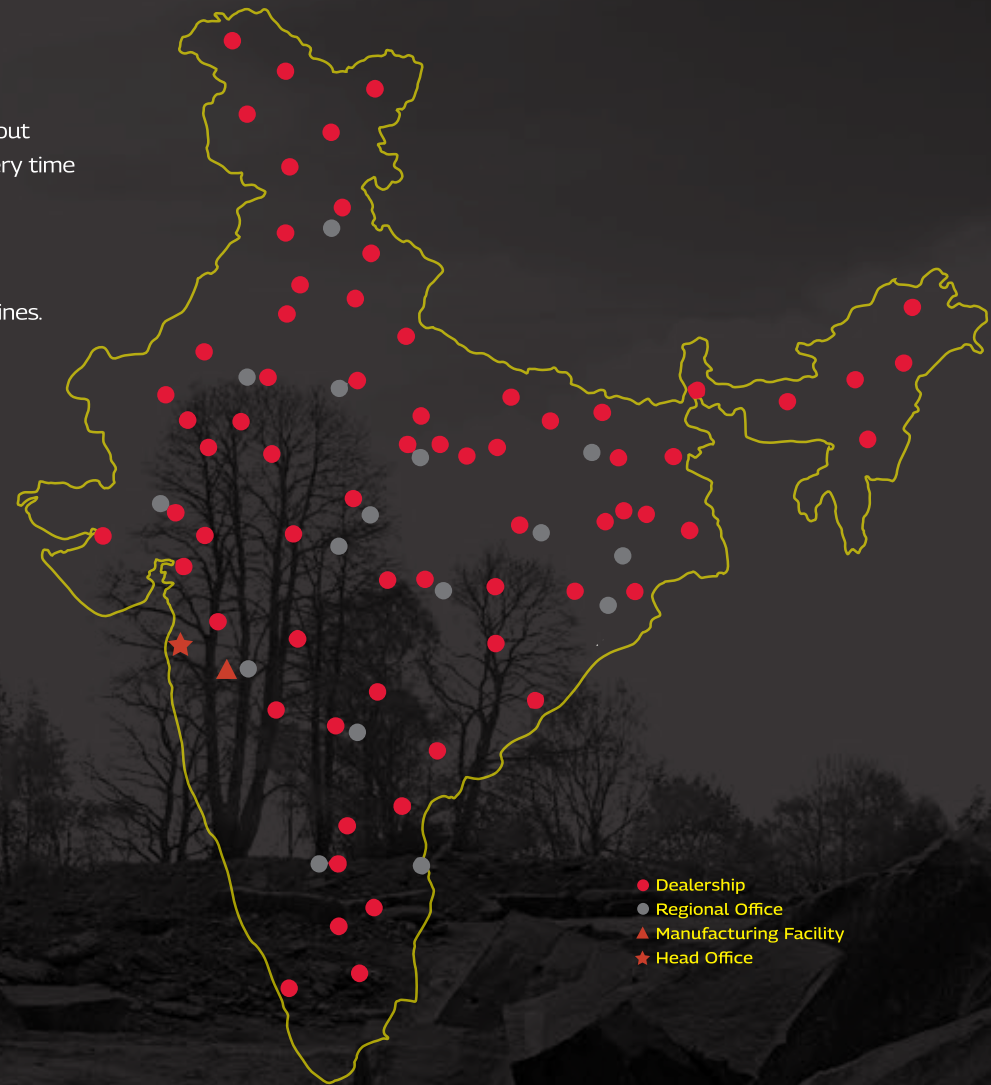
Trained Service Engineers

60+

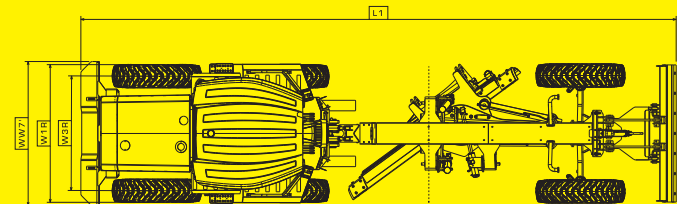
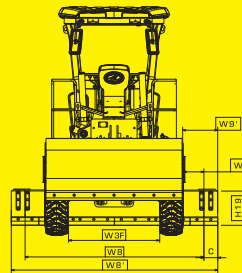
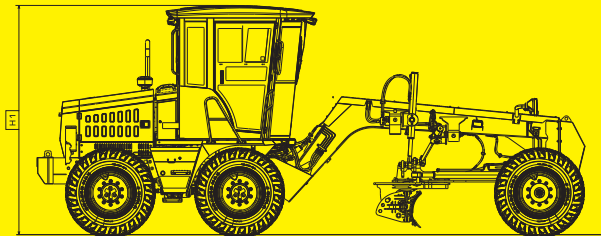
Service vans

SERVICE & SUPPORT

To deliver our promise of world-class customer support, Mahindra Construction Equipment has continued to invest in a comprehensive network of dealers who deliver all the support you need, right at your doorstep. Services include Saral Seva, Mahindra Genuine Services, Mahindra Genuine Parts, Mahindra Lubricants, and Mahindra Attachments, among several others.



- Dealership
- Regional Office
- ▲ Manufacturing Facility
- ★ Head Office



ENGINE	
Model	BS TREM IV CEV
Form of Air Aspiration	Turbo Charged
Number of Cylinders	4
Bore	96 mm
Stroke	122 mm
Displacement	3532 cm ³ (cubic centimetre)
High idle	2400 r/min
Low idle	850 r/min
Cooling system	Water cooled
Type of fuel	Diesel
Gross power	69.9 kW (95hp) @ 2200 r/min
Peak gross torque	401 Nm @ 1200-1500 r/min
Electrical system voltage	12 V

OPERATING SPECIFICATIONS		
Gross Vehicle Weight	9400 kg	
Front Axle Weight	2668 kg	
Rear Axle Weight	6733 kg	
Speed @ gear (km/h)	Forward	Reverse
1st	4.5 to 6.0	5.5 to 7
2nd	7.5 to 9.0	9.0 to 10.5
3rd	16.5 to 18.5	
4th	33.0 to 36.5	
Turning radius outside tyre R1	10 m	
Steering angle inner wheel	45°	
Steering angle outer wheel	32°	

MOLD BOARD		
Base Length of MB	2600 mm	
Thickness of Moldboard	16 mm	
Blade Height	H19	516 mm

CUTTING EDGE (BLADE)		
Standard length of cutting edge (mm)	W8	2600 mm {3 piece cutting edge} {1100 + 1100 + 400}
Standard length of cutting edge with side extension (mm)	W8*	3000 mm {4 piece cutting edge} {1100 + 1100 + 400+ 400}
Width of Cutting Edge	152 mm	
Thickness of Cutting Edge	16 mm	

DIMENSIONS			
Distance between mid & rear axle	L9	1850 mm	
Distance between front & middle axle	A	4300 mm	
Wheel Base	L3	5225 mm	
Distance - Front axle to Moldboard Blade base	L12	1691 mm	
Transport length - with Dozer	L1	8594 mm	
Transport length - with Dozer and Ripper	L1'	9270 mm	
Ground Clearance below front axle beam	H18	528 mm	
Minimum Ground Clearance	H4	467 mm	
Max vehicle height	H1	3290 mm	
Track width - Front	W3F	1674 mm	
Track width - Rear	W3R	1654 mm	
Width - outside front tires	W1F	2021 mm	
Width - outside rear tires	W1R	2001 mm	

BLADE RANGE			
Circle rotation angle	AB	50° from transverse of vehicle	
Circle drive	Hydraulic cylinders with no end mechanical stoppers		
Blade side shift (LH/ RH)	W15	513 mm	
Blade tilt angle/Bank cut angle (LH/RH) at ground level measured on blade	A9	20° / 15°	
Blade tilt angle/Bank cut angle (LH/RH) at ground level measured on drawbar	A9'	25.6° / 20°	
Blade pitch angle at ground line	A11	Forward 40° Backward 5°	
Blade without extension outside front tyre with blade positioned parallel to wheel axis	W9	289.5mm	
Blade outside front tyre with blade W9 positioned parallel to wheel axis		489.5mm	
Blade lift at normal blade pitch angle	H20	395 mm	
Max blade cut depth below ground at nominal blade angle	D	300 mm	
Attachment oscillation angle	E	Upward 10° Downward 15°	

FRONT AXLE	
Type	None Driven, Steerable Central Pivoted

MIDDLE AXLE	
Type	Driven, Non Steerable, Rigid

REAR AXLE	
Type	Driven, Non Steerable, Central Pivoted

TYRES & WHEELS	
Tyre	13 x 24-12 PR
Wheel Rim Size	228.6 X 609.6 mm

TYRE PRESSURE	
Front / Middle / Rear	304 kPa

TRANSMISSION	
Model Name	Carraro 4WD Transmission
Gear Ratios	Forward / Reverse
1st	5.603 / 4.643
2nd	3.481 / 2.884
3rd	1.585 / 1.313
4th	0.793 / 0.657

HYDRAULICS	
System	Open Centre
Pump Type	Fixed Displacement Tandem Gear Pump 26+26 cm ³ (cubic centimetre)
Max Pump Flow rate	108 l/min @ 2200 r/min
Max Working pressure	20 MPa
Refill Quantity	50 litre
System Capacity	60 litre
Other Feature	Load Holding with pressure relief valves for lift and sensing cylinder

END BIT		
Width	C	200 mm
Thickness	16 mm	
Blade Pull force	27 kN	
Blade Down force	27 kN	

SERVICE CAPACITIES	
Hydraulic tank	50 litre
Fuel tank	100 litre
Engine coolant	17 litre
Engine oil	13.5 litre
Transmission	16 litre
Middle axle or Rear axle (Differential)	14.5 litre for each axle
Middle Axle or Rear Axle (Final Drive)	1.5 litre (On each wheel end)

OPTIONAL FITMENTS	
Ripper	5 tyne

BRAKES	
Service Brake type	Foot operated hydraulically actuated oil immersed disc in middle axle
Parking Brake type	Hand operated, mechanically, actuated Caliper Brakes on middle axle

STEERING	
Type	Power Steering
Steering Valve	Load sensing with priority valve
Other feature	Emergency steering in case of pump failure

ELECTRICAL	
System Voltage	12 V
Battery Rating	12 V, 100 Ah
Alternator type	12 V, 140 A



Technical specifications, features are subject to change without prior notice. Images used are for representative purpose only. Accessories shown may not be a part of the standard product. Actual colors may vary. E&O.E. All dimensions are variable within +/-5%. For further details on warranty, please visit your nearest dealer.



DEALER NAME

Mahindra Construction Equipment,

Mahindra & Mahindra | CE Business |

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