

**AFFORDABLE AND
OPTIMIZED SOLUTION
FOR HIGHER PROFITS.**

ROADMASTER

G9075 *div*



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.

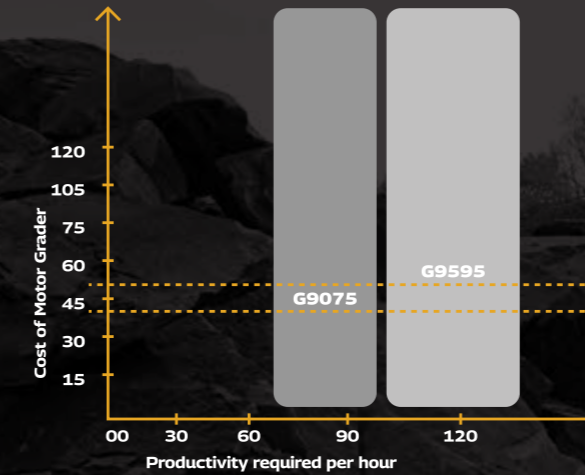
Designed by a 5000+ strong Mahindra R&D unit.

Manufactured at Mahindra's world-class Chakan Plant.

Robotic welding technology used for key structural components.



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

Lowest 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.

G9075 is used for road construction such as PMGSY, SH Expansions, State Highway, Railways construction, MDR,ODR Roads.



Around **7 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 **7-8* l/h**, impacting the overall savings of our customers positively.

The **55 kW (74 HP) 3.5 litre, 4 cylinder** CRDI engine offers **345 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.



13% better torque
compared to BS III



CONTROL YOUR BUSINESS FROM YOUR POCKET



The Mahindra RoadMaster G9075 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

A PLETHORA OF FEATURES. A PROMISE OF PROFITABILITY.

HYDRAULICS



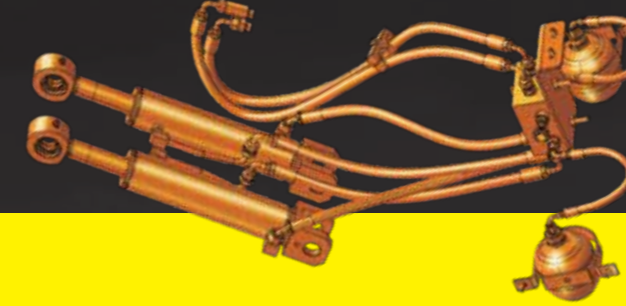
New and improved hydraulic pump for smooth performance. Higher maximum pressure around 20 MPa for more power on blade. Bigger size of 26+26 cm³ gear pump for increased per-hour productivity.

BLADE RANGE



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.

CONVENIENCE & COMFORT



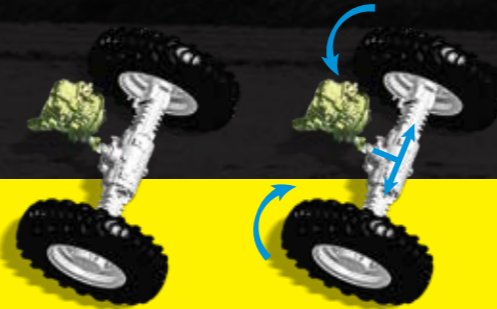
Mahindra believes that the most important part of the machine is the person operating it. That's why we have worked hard to make the operator experience comfortable for long hours of work. Ergonomic layout and seating – so that all controls are smooth and easy to reach. Including spacious canopy, lockable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

MOLDBOARD



Longer base length, increased support, less vibration, and blade length of **3000 mm** for better quality work and finishing.

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.

HEAVY DUTY DOZER BLADE



Standard Attachment: The RoadMaster G9075 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.

5 TYNE RIPPER



Optional Attachment: The RoadMaster G9075 comes with the option of having additional ripper fitments for added versatility. The Ripper is perfect for ripping hard compacted surfaces before grading.

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:

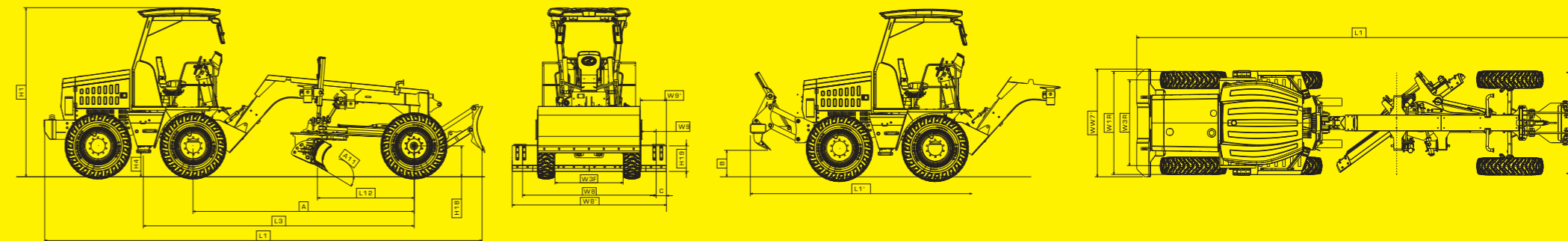
50+ Dealers across India
200+ Sales Executives
300+ Trained Service Engineers
60+ Service vans

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	55 kW (74HP) @ 2200 r/min
Peak gross torque	345 Nm @ 1200 - 1500 r/min
Electrical system voltage	12 V

OPERATING SPECIFICATIONS	
Gross Vehicle Weight	8848 kg
Front Axle Weight	2668 kg
Rear Axle Weight	6180 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)	WB 2600 mm [3 piece cutting edge] [1100 + 1100 + 400]
Standard length of cutting edge with side extension (mm)	WB* 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°

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

FRONT AXLE	
Type	Non-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

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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 tyre

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, 90 A





DEALER NAME

Mahindra Construction Equipment,

Mahindra & Mahindra | CE Business |

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