

**PROFIT KA  
PARTNER**

**ROADMASTER**

**G75 SMART**







## 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 m<sup>2</sup>, 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-rural and district roads, land development, internal housing and commercial roads 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.

**700+ 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.

**G75 SMART**

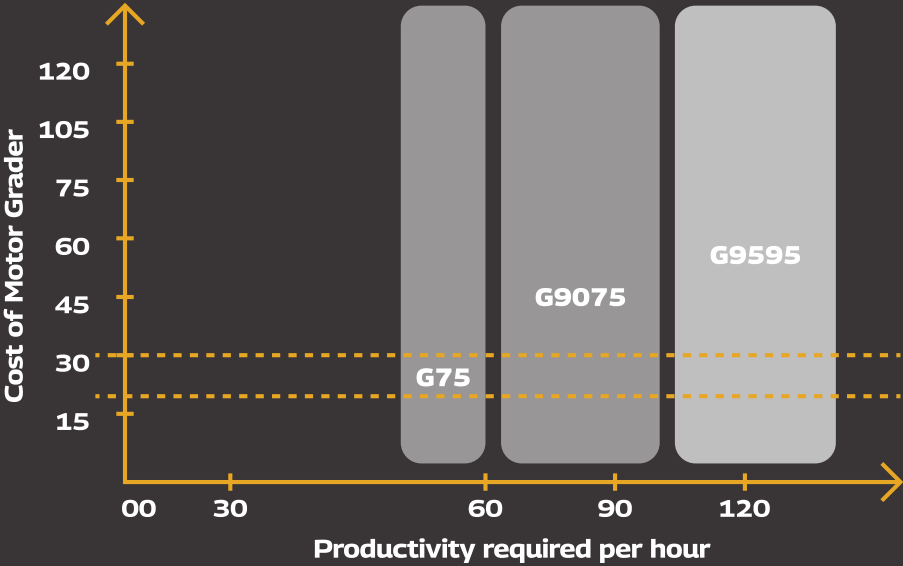
# THE PROBLEM: UNDERUTILIZATION.

## 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.



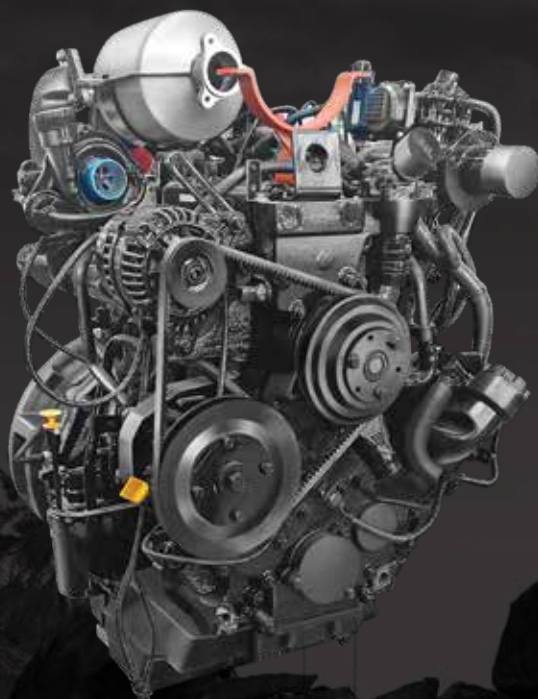
# INCREASED PRODUCTIVITY AND OPTIMUM UTILIZATION

- Best-in-class 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.
- G75 Smart, is used for rural roads, PMGSY projects, district roads, land development, internal housing and commercial roads.



Around **3 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 cm<sup>3</sup> 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.

## MOLDBOARD



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

## 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.







## 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

**300+**

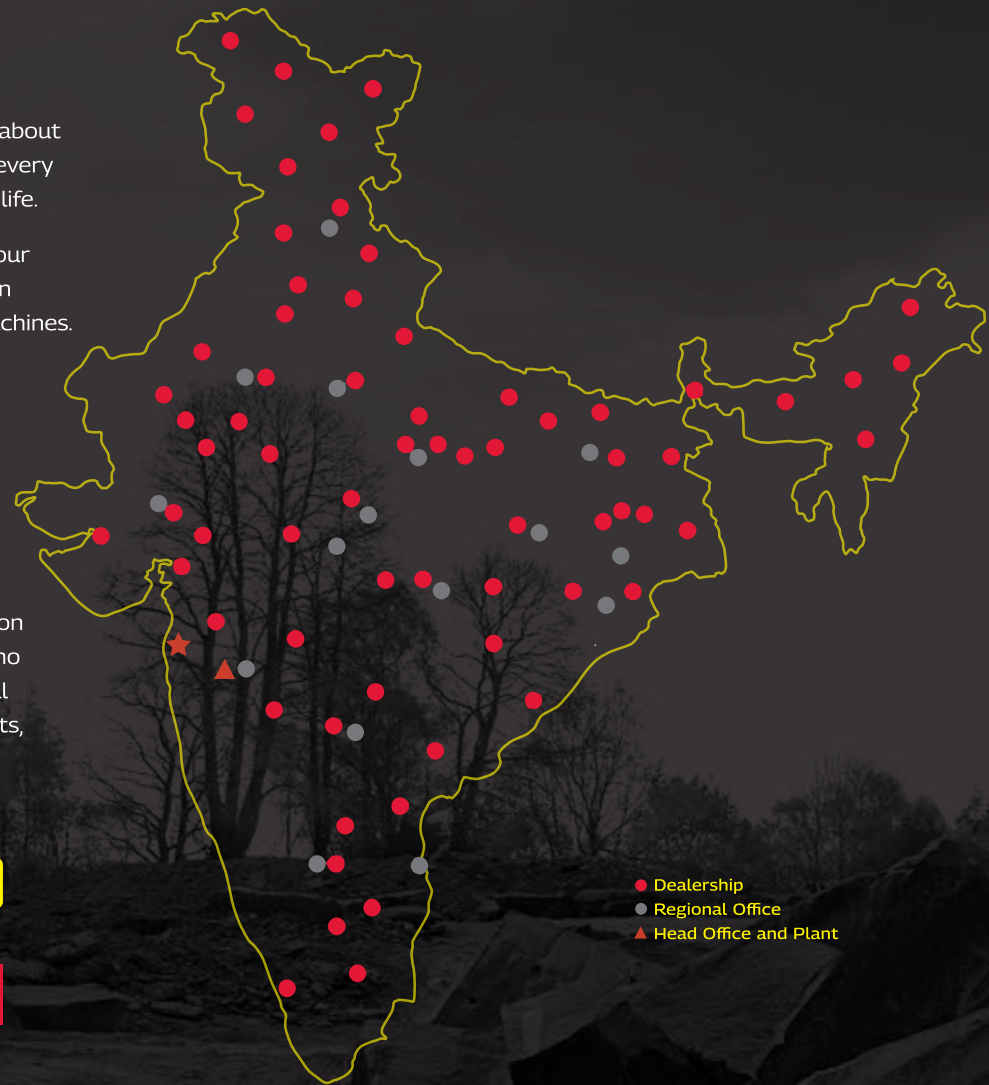
Trained Service  
Engineers

**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.





ENGINE		
Model	BS TREM IV CEV	
Form of Air Aspiration	Turbo Charged	
Number of Cylinders	4	
Bore	96 mm	
Stroke	122 mm	
Displacement	3532 cc	
High idle	2400 rpm	
Low idle	850 rpm	
Cooling system	Water cooled	
Type of fuel	Diesel	
Gross power	55 kW (74HP) @ 2200 rpm	
Peak gross torque	345 Nm @ 1200 - 1500 rpm	
Electrical system voltage	12 V	

OPERATING SPECIFICATIONS			
Gross Vehicle Weight	7160		
Front Axle Weight	2490		
Rear Axle Weight	4670		
Speed @ gear (km/h)	Forward	Reverse	
1st	4.5 to 6.0	5.5 to 7	
2nd	7.5 to 9.0	9.5 to 11	
3rd	17.5 to 19.5		
4th	33.0 to 38		
Turning radius outside tyre R1	10 m		
Steering angle inner wheel	45°		
Steering angle outer wheel	32°		

MOLD BOARD		
Base Length of MB	3000	
Thickness of Moldboard	16	
Blade Height	H19	516

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

DIMENSIONS			
Wheel Base	L3	5050	
Distance - Front axle to Moldboard Blade base	L12	1691	
Transport length	L1	6880 mm	
Minimum ground glearance	H4	472 mm	
Max vehicle height	H1	3300	
Track width - Front	W3F	1674	
Track width - Rear	W3R	1594	
Width - outside front tires	W1F	2021	
Width - outside rear tires	W1R	2062	

BLADE RANGE		
Circle rotation angle	50°+/-1.5° from transverse of vehicle	
Circle drive	Hydraulic cylinders with no end mechanical stoppers	
Blade side shift (LH/ RH)	513	
Blade tilt angle/Bank cut angle (LH/RH) at ground level measured on blade	(20°/15°)	
Blade tilt angle/Bank cut angle (LH/RH) at ground level measured on drawbar	(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	289.5
Blade outside front tyre with blade positioned parallel to wheel axis	W9	489.5
Blade lift at normal blade pitch angle	395	
Max blade cut depth below ground at nominal blade angle	300	
Attachment oscillation angle	E	Upward 100 Downward 150

FRONT AXLE		
Type	Non-Driven, Steerable Central Pivoted	

REAR AXLE		
Type	Driven, Non Steerable, Rigid	

TYRES & WHEELS		
Front Tyre	13 x 24-12 PR	
Rear Tyre	17.5 x 25-16 PR	

TYRE PRESSURE		
Front / Rear	44±2psi	

TRANSMISSION		
Model Name	Roadmaster G75 Smart	
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 26cc + 26cc (cubic centimetre)	
Max Pump Flow rate	108 lpm @ 2200 rpm	
Max Working pressure	20 MPa	
Refill Quantity	50 litre	
System Capacity	70 litre	
Other Feature	Load Holding with pressure relief valves for lift and sensing cylinder	

END BIT		
Width	C	200+/-1
Thickness	16+/-0.5	
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	
Rear axle (Differential)	14.5 litre for each axle	
Rear Axle (Final Drive)	1.5 litre (On each wheel end)	

BRAKES		
Service Brake type	Foot operated hydraulically actuated oil immersed disc in rear axle	
Parking Brake type	Hand operated, mechanically, actuated oil immersed disc in rear 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 Amp	

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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