

**Mahindra**  
Rise.

Truck and Bus Division

**SUPER TOUGH TIPPERS.  
FOR SUPER SMOOTH BUSINESS.**





# TORRO<sup>25</sup>

## TIPPER

mPower 7.2 ltr low RPM engine - Highly reliable for tipper application



**Also available in 6 speed**

## Even rough terrains can't stop you from outperforming.

The powerful Torro 25 now comes with a 9 speed gearbox and bogie suspension. It is an ideal product for deployment across different applications and terrains. Be it stone crushing quarries, transportation of construction material, over burden removal in canals or irrigation projects. Its durability ensures you spend more time on the road and less on maintenance. And its reliability makes sure you can work without stops.

- Gradeability of 44% offers ample power to pull
- Highest torque in its category for great pulling power
- 9 speed gearbox for better pulling ability
- Powerful, fuel-efficient and reliable m-POWER engine
- Best-in-class cabin comfort prevents fatigue
- Stronger chassis, suspension and driveline
- 16 cu.m. box body for higher load carrying capacity
- Variants to suit different business needs

Also available with heavy duty leaf springs (without bogie suspension)

9-SPEED  
BOGIE SUSPENSION





# TORRO<sup>25</sup>

## TIPPER

### Best-in-class mileage for better profits.

Mahindra brings to you the TORRO 25 m-Power 170 Tipper. One of the most fuel efficient 25T GVW Tipper in the market. It is suited for both transportation of construction aggregates and land filling operations. Its m-POWER 170 engine gives you best in class mileage, hence making it suitable for long distances.

- Fuel efficient m-POWER 170 HP engine.
- Higher legal payload for more profits per trip
- Best-in-class cabin comfort prevents fatigue
- Stronger chassis, driveline and suspension for longer life and higher reliability

mPower 7.2 ltr low RPM engine - Highly reliable for tipper application





# TORRO<sub>31</sub>

## Takes your business places with its space and performance.

The Torro 31 comes with the kind of capacity that lets you carry much more. Its powerful engine makes sure you transport those loads effortlessly. Moreover, it gives you the assurance of non-stop performance that lets you start and finish any project without any delay.

- First company-built 8x2 Haulage Tipper
- Larger capacity to earn bigger profits
- Ideal for transporting coal and construction material
- Durable chassis for long life
- Ergonomic cabin to make more trips comfortable

mPower 7.2 ltr low RPM engine - Highly reliable for tipper application





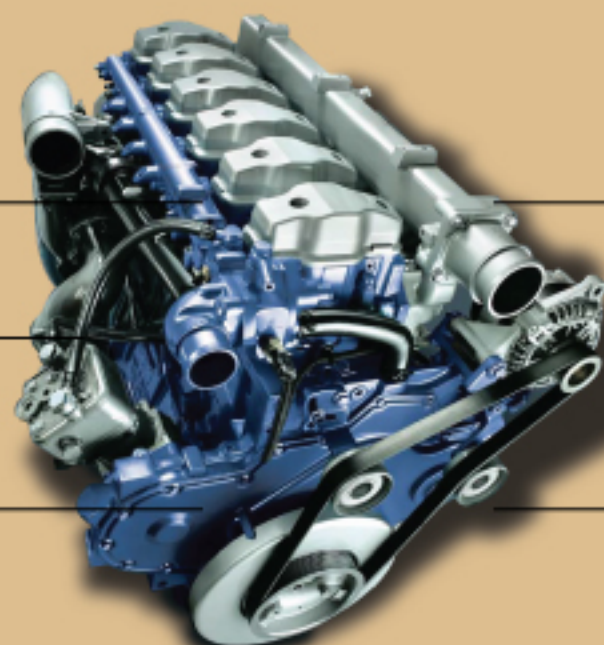
## THE HIGH PERFORMANCE m-POWER ENGINES



Power - 123 KW  
(170 HP) @ 2200 RPM

Torque - 848 NM

Gradeability - 28.1%



Power - 151 KW  
(202 HP) @ 2200 RPM

Torque - 920 NM

Gradeability - 44%

## MEET NEXT GENERATION TRUCKING.

The m-Power engine has been designed and developed ground up to suit your needs. Several technological advances have been introduced to enhance reliability and uptime.

- Servicing of individual cylinder heads for higher uptime
- Gear driven cooling system independent of V-belt—nullifies chances of engine seizure
- Notch type main and connecting bearings in crankshafts avoid bearing rotation

m-Power engine with all these advancements have been tested for 1 million kms so that you can be sure of their performance even in the toughest conditions.

## PERFORMANCE THAT YOU CAN SWEAR BY.

Roads, weather and load conditions impact any vehicle that has to ply on our roads, Mahindra has anticipated the most unpredictable situations and conditions while building these tippers.

The powerful driveline comprising of m-Power engine, 395mm diameter clutch, heavy duty gearbox and reliable rear axle guarantee best pulling power across any terrain and operating conditions. Stronger chassis, reliable S-Cam, 10 bar pressure brakes with wider brake liners assure higher reliability in tough operating conditions.

All in all the TORRO family have been designed to guarantee peace of mind to the customers under any operating conditions.



Stronger chassis frame - for a longer life and higher reliability



395 mm Dia clutch for smoother operation



Full Air Dual Circuit 10 Bar Pressure S-cam Brakes with Wider Brake Liners



Heavy Duty Bogie Suspension



## TO OUTPERFORM, YOU HAVE TO OUTBUILD FIRST.

The Greenfield Plant in Chakan, one of the most advanced manufacturing plants in India, is where the Mahindra TORRO 25 and all other Mahindra trucks are created.

Massive in scale, the Chakan Plant is also renowned for its attention to detail. Each vehicle is put together with robotic precision and utmost care to ensure the highest standard of reliability.

A young, enthusiastic and very well-trained group of engineers ensure the quality of vehicle that roll-out from this plant. While its cutting-edge technology and sustainable practices make it a plant that's ready to give the world generations of outperforming vehicles.



## COMFORTABLE DRIVE, TO DRIVE IN PROFITS.

It may deliver power packed performance but the Mahindra TORRO 25 is comfortable at the core. Its cabin is where many drivers will spend half of their lives. So it has been fitted with many thoughtful comforts and conveniences to make it a cozy home-away-from-home for drivers and co-drivers. Tough operating conditions and an insulated cabin from within ensure that heat and dust are kept away. All these lead to a comfortable driving environment ensuring that long driving hours do not lead to fatigue which in turn enhance productivity.





# TECHNICAL SPECIFICATIONS

Model	TORRO 25-m Power 170		TORRO 25-m Power 210	TORRO 31-m Power 210
GVW	25000 kg			31000 kg
Engine			m - POWER 7.2 Ltr, TCIC BSIII	
Transmission	Manual synchromesh, 6 Foward , 1 Reverse		Manual synchromesh, 8 Foward, 1 Reverse, 1 Crawler	6 Speed Heavy Duty Gear Box
Max Power	170 Hp @ 2200 RPM		151 Kw (202Hp)@ 2200 RPM	151 kw (202hp) @ 2200 rpm
Max Torque	848 NM @ 1050 RPM		920 NM @ 1250 RPM	920 Nm @ 1250 RPM
Gear Box	Eaton 6 Speed Gear Box		Eaton 9 Speed Gear Box	Eaton 6 Speed Gear Box
Max Geared speed	74 kmph		74.5 kmph	84.5 km/h
Gradeability	28 .1 %		44 % (Fly start)	22.5%
Chassis Frame	Ladder Type, Uniform C-Section			285 mm x 70 mm x 8.5 mm
Steering	Hydraulic Power Assisted Tilttable and Telescopic			
Brakes	Dual Split S-Cam, 10 Bar System		Full Air S-Cam, 10 Bar System	Full Air S-Cam, 10 Bar System
Fuel Tank	250 ltr			
Wheels & Tyres	10 x 20 - 16 PR Radials			
Min. Ground Clearance	250 mm			
System Voltage	24 V (2 x 12 )			
Wheel Base	4250 mm			6100 mm
Cabin	Day		Day. Four Point Suspended	Single Sleeper
Cabin Tilting	Manually Operated Hydraulic Assisted			
Suspension	Rear: Semi Elliptical Laminated Leaf Springs		Rear: Inverted Leaf Bogie Type Suspension	Rear: Semi Elliptical Laminated Leaf Springs
	Front: Semi Elliptical Laminated Leaf Springs With Shock Absorber		Optional: Semi Elliptical Leaf Springs	Front: Double Acting Type With Shock Absorber
Front Axle	Extra Heavy Duty Forged I- Beam Reverse Elliot Type			
Rear Axle	Tandem, Single Reduction, Fully Floating Axle Shafts		Tandem, Banjo Type, Single Reduction, Fully Floating Axle Shafts	Banjo Type, Single Reduction, Fully Floating Axle Shafts
Tipping Body Size	14 Cu.m. Box Body		16 cu.m. Box Body	18 Cu.m. Box Body
Internal Dimensions	4280 mm x 2340 mm x1400 mm		4915 mm x 2340 mm x1400 mm	6555 mm x 2340 mm x1175 mm
Floor Material & Thikness	BSK 46.5 mm			
Head & Side board, Tail Gate Material & Thickness	ST 52.4 mm			
Tipping Angle	42 Deg			

**Note:** In view of our policy of continuously improving our products, We reserve the right to alter specifications or designs without any liability. Illustrations and photographs do not necessarily show the vehicle in its standrad form.

## DIMENSIONS OF OUTPERFORMANCE



Construction Material



Machinery



Construction Site



River Bed



Dumping



Marble



Steel



Crushers



Railway Track laying

## MULTIPLE ROUTES TO HIGH PERFORMANCE



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**Mahindra Trucks and Buses Limited**