

5000 SERIES



No. **1** Tractor
Company
in the World *



DEMING PRIZE
2003



JAPAN QUALITY MEDAL
2007

Mahindra
Tractors

*MSM Ltd. is the largest tractor company in the world, by volume

TOUGH, POWERFUL, EFFORTLESS.

The Mahindra 5000 series tractors open doors to new possibilities for you.

Its advanced technology comprising of a powerful 4 cylinder engine, transmission with all new features and advanced hydraulics ensures that it always does more, faster and better. These tractors are packed with many best-in-class features like more back-up torque, 12F+3R gears, higher lift capacity, adjustable seat, powerful wrap-around clear lens headlamps which stands it apart from the rest. It can perform multiple applications, ensuring that whatever be the need there is a Mahindra 5000 series tractor model for you.

Key Features:

- Naturally aspirated 3 & 4 cylinder, low RPM engines
- 18% back up torque
- 18 Nm torque, best in its category
- 12F/3R full constant mesh transmission
- Powerful PTO 540 @ 1810 RPM
- Sleek and attractive looks
- Superior Ergonomics
- Higher lift capacity

Ideal For:

- Agriculture
- Material Handling
- Haulage
- Speciality in wetland cultivation
- Grounds Maintenance/Municipal



ADVANTAGES OF THE NEW GENERATION TECHNOLOGICALLY ADVANCED ENGINE

- 18% more back up torque: Lesser drop in RPM and a powerful engine to ensure you remain unstoppable even on hard soil.
- More power: Now get the ability to work with bigger implements.
- Covers more ground while consuming lesser diesel, giving you even more savings.
- Service interval of 400 hours: A longer service interval means one less servicing every year.
- Dry type air cleaner: Reduced time in cleaning the air cleaner means even more ease in maintenance.
- Parallel cooling system: Engine remains cooler for longer, so you can work longer.

FEATURE PACKED TRANSMISSION

Full Constant mesh transmission comes with ergonomically placed shifting levers for fatigue free operations. The standard 12F + 3R speeds allows the tractor to work with any implement at required speed. Speed options ranging from 1.45 to 30.5 Km/h, helps optimise agri activities from ploughing to harvesting. The rear axle has large oil-immersed brakes for more brake efficiency & safety. Planetary drive for strength & reliability. The low effort dual clutch is a simple, reliable unit designed for long lasting performance and smooth engagements.

POWERFUL HYDRAULICS AND STURDY 3-POINT LINKAGE.

The powerful Hydraulics boasts a high-tech control valve design along with its two bell crank arrangement, works with the right sensitivity on any type of soil and completes the task with precision. It has a lift capacity of 1500 kg. to handle the heaviest of implements. It has a higher capacity pump flow which ensures easy operation in power steering & tipping trailer application. It has a side mounted control valve that can be removed without removing the Hydraulic during servicing. A sturdy 3 point linkage is employed to ensure stability & safety.

HEAVY DUTY FRONT AXLE

These tractors have heavy duty front axles for stability & control. Sufficient Axle (High Swing Angle) oscillation ensures a comfortable ride and allows the tractor to counter uneven terrain.



COMFORTABLE WORK ENVIRONMENT

Operator weight adjustable seat, ergonomically located pedals & controls are provided for fatigue free driving. The tractor boasts of bold wrap around clear lens headlamps, modern instrument cluster & attractive two-toned front grille.



TRACTOR SPECIFICATIONS

TRACTOR	5045 4WD
ENGINE	
Type	Four Stroke, Direct Injection, Water Cooled Engine.
Cylinders	4
Engine HP (kW) @ rpm	45 HP @ 2000
Displacement cubic inch ³ (cc)	2979
ELECTRICAL	
Battery Capacity	12 V, 80 AH
Alternator	12 V, 45 AH
CLUTCH	
Type	Dry type Single clutch, Dual clutch optional
TRANSMISSION	
Type	Full Constant Mesh
Number of Gears / Speeds	12 F X 3 R Speeds: F: 1.45 - 30.61 R: 2.05 - 11.20
STEERING	
Type	Power Steering
BRAKES	
Type	OIB/Mechanical (Ball & Ramp) - Oil Immersed Brakes
HYDRAULIC SYSTEM	
Type	Live ADDC
3-Point Linkage	CAT I/II
Lift Capacity (Kg.)	STD @ 1500 Kg.
Rear Auxiliary Remote Valves	Optional Single Spool
PTO	
Type	Single Speed (Dual Speed - Optional)
PTO RPM (Engine rpm)	540 STD 540E & 540 Reverse - Optional
PTO HP (kW)	41.1
OPERATING WEIGHT	
Total (Kg.)	2050 kg
DIMENSIONS with Ag Tires	
Overall Length Inches (mm)	3360
Overall Width Inches (mm)	1690
TIRES Sizes and Options	
Ag (Front / Rear)	F: 8.00*18 R: 13.6 * 28