

**mahindra**<sup>Rise</sup>

# Utility Tractor Range



6060 / 6075 / 7580 / 7590

**3 YEAR  
WARRANTY\***

**No.1** TRACTOR COMPANY  
IN THE WORLD BY VOLUME\*



# MAIN FEATURES

## Superior Performance

The Mahindra Utility Range of tractors deliver high level productivity at an economical price. The tractors come standard with a high performance engine, heavy duty synchromesh transmission, designed to match the impressive power and torque characteristics of the engine.

A robustly built housing results in an overall tractor weight of 2850kgs on the 6060 and 3370kgs on the 6075. The 7580 and 7590 Tractors both tip the scales at 3618 kgs.

The 7580/7590 and 6060/6075 series 4WD tractors are ideal for primary and secondary tillage, livestock operations, crop protection, mowing, slashing, haulage, loader applications and other basic chores on the farm. Featuring suspended brake and clutch pedals, the uncluttered platform makes for easy entry and exit. All this combined with an affordable price tag further enhances the overall value offered by a Mahindra Tractor.

## Easy Shift Transmission

Synchromesh transmission provides smooth shifting on the move with a choice of speeds.

A dedicated left-hand synchronised reverser provides smooth control for maximum productivity during intensive loader and headland operations.

The rear axle has large oil cooled disc brakes and heavy-duty inboard planetary reduction units for strength, safety and reliability.

## High Torque NEF Engine

The 6060 tractors lead with Direct injection, while 6075 and the 7580/7590 - 4WD tractors are all powered with turbocharged engines. All offering an unmatched combination of Mahindra performance, fuel efficiency and reliability.

Each power plant is designed to ensure a flat torque curve and maximised torque levels, as high as 326 Nm on 7590 and 305 Nm on the 6075 model, ensuring maximum productivity in both PTO and draft applications.

## Flat Platform

No more tripping over the Transmission hump or numerous levers. Mahindra Utility series flat platform makes egress so much easier on and off the Tractor.



## Easy Access Battery

No more having to pull the grill apart just to get to the battery. Mahindra Utility series tractors' battery box is accessible from one simple star nut on the right flank of the Tractor.



## Easy Access Fuel

No more having to put the fuel in the top of the bonnet. 7580/7590 only models feature a great size, easy to access fuel tank on the left flank of the Tractor.







## Proven Award Winning Quality

Quality is paramount at Mahindra and we are proud to be the first and only tractor manufacturing company in the world to win the Japan Quality Medal (JQM), a laurel truly hard to earn. It is universally acclaimed as the highest award presented to a company following Total Quality Management (TQM) practices in their entire business operations. JQM recognizes a high level of customer focus, improvements in overall quality and excellence in business processes.

Also, Mahindra was the first tractor company worldwide to win the Deming Application Prize in 2003 for excellence in quality, making it the only tractor manufacturer to receive both distinctions.



**Japan Quality Medal**



**Deming Application Prize**



# ML SERIES LOADERS

A rugged mainframe with durable boom structure mounted rigidly across chassis

## **Self Level Design**

The linkage on the loader maintains the bucket in the horizontal position, just by operating the boom, offering safe work performance.

## **Quick Hitch Design**

Switching from buckets to pallet forks, bale spikes etc. is easier and quicker.

## **Quick Attach Design**

The loader can be easily installed and removed with just two pins.





ML SERIES LOADER SPECIFICATIONS

LOADER MODEL	ML6004	ML6005	ML485	ML485
TRACTOR MODELS APPLICABLE	6060 4WD	6075 4WD	7580 4WD	7590 4WD
Maximum Lift Height	3475 mm	3100 mm	3450 mm	3470mm
Clearance with Attachment Level	3111 mm	2775 mm	3040 mm	3040 mm
Clearance with Attachment Dumped	2546 mm	2250 mm	2445 mm	2445 mm
Reach at Maximum Height	407 mm	665 mm	605 mm	605 mm
Maximum Dump Angle	50°	59°	47°	47°
Reach with Attachment on Ground	2055 mm	2090 mm	1981 mm	1981 mm
Attachment Rollback Angle	48°	40°	51°	51°
Digging Depth Below Grade	168 mm	180 mm	250 mm	250 mm
Overall Height in Carry Position	1805 mm	1900 mm	1520 mm	1520 mm
Depth of Attachment (to back of inner shell)	588 mm	620 mm	588 mm	588 mm
Height of Attachment	559 mm	635 mm	559 mm	559 mm
Depth of Attachment (to pivot pin)	828 mm	865 mm	828 mm	828 mm
Lift Capacity to Full Height at Pivot Pins	1771 kgf	1529 kgf	1637 kgf	1637 kgf
Breakout Force at Ground Level, Pivot Pins	2403 kgf	2171 kgf	2325 kgf	2325 kgf
Relief Valve Setting (Loader Control Valve)	180km/cm²	180km/cm²	180km/cm²	180km/cm²
Rated Flow (Tractor System)	40 l/pm	58 l/pm	41.6 l/pm	41.6 l/pm
Attachment width used for specification	1,980 mm	1800 mm	2083 mm	2083 mm
Bucket Capacity	0.660 cu.m	0.410 cu.m	0.450 cu.m	0.450 cu.m
SWL/ROL (Counter Weight on TPL)	900/1,000 kg	900/1,000 kg	-	-
Bucket Level Indicator	-	-	Standard	Standard
Hydraulic System	Tractor Pump with Loader Control Valve			
OPTIONAL ATTACHMENTS (All models)		Grill Guard, Bale Spikes, Pallet Forks and 4-in-1 Buckets		



## SPECIFICATIONS

## 6060 4WD

## 6075 4WD

ENGINE		
Type	Four stroke, water cooled, direct injection diesel	4- Cylinder DI, Turbo Charged
Engine Power (Max)	56.5 HP	75 HP
Rated engine speed	2100	2100
Number of cylinders	4	4
Displacement - cc (cu.in.)	3533 cc	3822 cc
TRANSMISSION		
Type	Synchro Shuttle - Partial Synchromesh	Synchro Speed Gears with Fwd-Rev Synchro Shuttle
Number of gears	15 - Forward, 15 - Reverse with Mechanical Side Shift	20 - Forward, 20 - Reverse with creeper
HYDRAULIC SYSTEM		
Type	Fully live Hydraulic with Position & Draft Controls	Position and Draft Control
Max. lifting force at lower link hitch point	2200 Kg (±10%)	2600 kg
Total Pump output	57.5 lpm	58 Implement + 17 Steering
Hydraulic Pump output	40 lpm	58lmp
Steering Pump output	17.5 lpm	17 lpm
Three Point linkage	Category I/II - Check chain outside & Fixed lower link Lift Rod - LH Side fixed / RH Side Adjustable	Cat 2 Telescopic lower link with Stabilizers
Standard Fitment	Double Spool Auxiliary Valve, Swinging Drawbar	Dual Spool Auxiliary Valve, Swinging Drawbar Std
PTO		
Type	Rear Single Lever independent PTO shaft	6-Spline, 3-Speed PTO, Rear Single lever Independent PTO
Max. PTO HP	48.5HP	66HP
PTO RPM	540 at 1993 Engine RPM 540E at 1469 Engine RPM	540, 540E & Rev SLIPTO
CAPACITIES		
Fuel Tank - Litres (U.S. gal)	65 (17.17)	60 (15.85)
DIMENSIONS		
Overall length - mm	3850 mm	4500 mm
Width overall setting	2150 mm	2150 mm
Height overall	2240 mm	2700 mm
Ground clearance	350 mm	390 mm
Wheel base	2220 mm	2220 mm
STANDARD TYRES		
Front (Standard) - Ag	9.5 x 24	12.4 x 24
Rear (Standard) - Ag	16.9 x 28	18.4 x 30
Turning Radius (Min) with Brakes	3800 mm	3800 mm
Turning Radius (Min) without Brakes	4200 mm	4500 mm
ROLL-OVER PROTECTION		
Standard	ROPS	ROPS
WEIGHT		
Total weight	2850 kg	3370 kg

Specifications & design subject to change without notice.

## 7580 4WD

## 7590 4WD

ENGINE		7580 - 4WD	7590 - 4WD
Compression Ratio		17.2:1	17.2:1
Cylinders		4	4
Displacement cc		3533 cc	3533 cc
Engine HP (kW) @ rpm		80 (59.6) @ 2300	92 (68.6) @ 2300
Type		Four stroke, direct injection, Intercooled turbo charged, water-cooled, diesel	Four stroke, direct injection, Intercooled turbo charged, water-cooled, diesel
ELECTRIC			
Alternator		12 Volt, 55 Amps	12 Volt, 55 Amps
Battery Capacity		12 Volt, 88 Amp hour	12 Volt, 88 Amp hour
CLUTCH			
Type		Dual dry, cerametallic lining	Dual dry, cerametallic lining
TRANSMISSION			
Number of Gears		12 forward, 12 reverse	12 forward, 12 reverse
Type		Forward-reverse synchro-shuttle with speed synchromesh & range constant mesh	Forward-reverse synchro-shuttle with speed synchromesh & range constant mesh
FRONT WHEEL DRIVE			
Front Axle		Mechanical engagement, limited slip differential & planetary reduction	Mechanical engagement, limited slip differential & planetary reduction
STEERING			
Type		Hydrostatic power	Hydrostatic power
Steering Pump Output		17.4 l/min	17.4 l/min
BRAKES			
Type		Wet disc	Wet disc
HYDRAULIC SYSTEM			
3-Point Linkage		Category 2, with adjustable outside lateral stabilisers and heavy duty telescopic lower links	Category 2, with adjustable outside lateral stabilisers and heavy duty telescopic lower links
Auxiliary Remote Valves		2 spool standard	2 spool standard
Lift Capacity		2500 kgs	2500 kgs
Pump Output		41.6 l/min	41.6 l/min
Type		Open centre, full-live hydraulic with position and draft control	Open centre, full-live hydraulic with position and draft control
PTO			
PTO HP (kW)		65 (49.96 )	74 (55.18 )
PTO RPM (Engine RPM)		540/1000	540/1000
Type		Independent single lever engagement	Independent single lever engagement
OPERATING WEIGHT			
Total		3618 kgs	3618 kgs
DIMENSIONS			
Overall Length		4260 mm	4260 mm
Overall Width		2064 mm	2064 mm
Turning Radius with Brakes		3990 mm	3990 mm
TYRES			
Standard Ag (Front/Rear)		12.4x24 / 18.4x30	12.4x24 / 18.4x30

Specifications & design subject to change without notice.



# Offering Tough and Reliable Tractors to Australian Farmers

## Effortless Clutch

The low effort dual clutch is a simple reliable unit designed for smooth engagements. The large diameter cerametallic friction discs provide long lasting performance and ample surface area to transfer power effectively.

## Heavy Duty Front Axle

The front axle with a 'limited slip differential provides additional pulling power in tough soil conditions.

The planetary reduction offers high dynamic load carrying capacity and is designed for maximum performance in loader and field operations.

The responsive hydrostatic steering has a tight steering angle for effortless maneuvering even in confined areas.

## Hydraulics, 3-Point Linkage and Auxiliary Remote Valves

Sturdy 3-point linkage is employed with the lift rods and stabilisers designed to allow easy implement hook up.

The 7580 now has two auxiliary remotes as standard. Two remote hydraulic valves are standard on both the 7580 and 7590. Two remote valves are standard on 6060, and two remote hydraulic valves are standard on the 6075.

## Operator Platform

The side-shift gear controls and suspended brake and clutch pedals provide added leg room and a roomy platform. The uncluttered operator platform makes for easy entry and exit.



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Photographs may show overseas models or illustrate non-standard equipment. Please read your Mahindra Tractor manual carefully prior to operation. ^3 Year Engine & Powertrain warranty. #Mahindra & Mahindra Ltd is the No.1 Tractor company in the world by volume.

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IN THE WORLD BY VOLUME\*

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**Details:**