



# 7580/7590 4WD Series Tractors

World's #1 Selling Tractor\*



**3 YEAR  
WARRANTY\***

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

**Mahindra**  
*Rise.*

## SPECIFICATIONS

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 hours	12 Volt, 88 Amp hours
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 &amp; design subject to change without notice.



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### Dealer Details:

# 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.

## Loader Specifications



LOADER MODEL	ML485
TRACTOR MODELS APPLICABLE	7580/7590- 4WD
Maximum Lift Height	(7580) 3450 mm - (7590) 3470mm
Clearance with Attachment Level	3040 mm
Clearance with Attachment Dumped	2445 mm
Reach at Maximum Height	605 mm
Maximum Dump Angle	47°
Reach with Attachment on Ground	1981 mm
Attachment Rollback Angle	51°
Digging Depth Below Grade	250 mm
Overall Height in Carry Position	1520 mm
Depth of Attachment (to back of inner shell)	588 mm
Height of Attachment	559 mm
Depth of Attachment (to pivot pin)	828 mm
Lift Capacity to Full Height at Pivot Pins	1637 kgf
Breakout Force at Ground Level, Pivot Pins	2325 kgf
Relief Valve Setting (Loader Control Valve)	180km/cm <sup>2</sup>
Rated Flow (Tractor System)	41.6 l/pm
Attachment width used for specification	2083 mm
Bucket Capacity	0.450 cu.m
Hydraulic System	Tractor Pump with Loader Control Valve
Bucket Level Indicator	Standard
OPTIONAL ATTACHMENTS (For all models)	Grill Guard, Bale Spikes, Pallet Forks and 4-in-1 Buckets



## MAIN FEATURES



### Superior performance

The 7580/7590 - 4WD series 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 3618 kgs on both the 7580 and 7590 Tractors.

The 7580/7590 - 4WD series 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

The synchromesh transmission provides smooth shifting on the move while the standard 12F+12R speeds maximise performance 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 7580/7590 - 4WD tractors are powered with a turbocharged engine offering an unmatched combination of performance, fuel efficiency and reliability.

They are designed to ensure a flat torque curve and maximized torque levels, as high as 326 Nm on the 7590 - 4WD tractor, ensuring maximum productivity in both PTO and draft applications.

## Mahindra 7580/7590 Series Standard Features

#### FLAT PLATFORM

No more tripping over the Transmission hump or numerous levers. Mahindra 7580/7590 series flat platform makes egress so much easier on and off the Tractor.



#### EASY ACCESS FUEL

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



#### EASY ACCESS BATTERY

No more having to pull the grill apart just to get to the battery. Mahindra 7580/7590 series tractors' battery box is accessible from one simple star nut on the right flank of the Tractor.



# 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

3point linkage and auxiliary remotes, the 7580 now has 2 remotes standard.

Two remote hydraulic valves are standard on both the 7580 and 7590.

## 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.



## Proven Quality – JAPAN QUALITY MEDAL WINNER

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  
WINNER**

**No.1** TRACTOR  
COMPANY  
IN THE WORLD  
BY VOLUME<sup>#</sup>

**WE HAVE BEEN  
MAKING TRACTORS  
FOR OVER 65 YEARS.**

**PTO 540/  
1000 rpm**

## **COMPARE THESE MAHINDRA MODELS FOR:**

- Synchro-shuttle transmission
- Engine maximum torque
- Number of transmission speeds and full synchromesh gear shift
- Overall tractor weight
- Horsepower per dollar

FOR MORE INFORMATION ON MAHINDRA PRODUCTS  
PLEASE VISIT OUR WEBSITE:

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