



7580/7590 4WD Series Tractors

World's #1 Selling Tractor*



**3 YEAR
WARRANTY***

No.1 TRACTOR
COMPANY
IN THE WORLD
BY VOLUME*

Mahindra
Rise.

7580/7590 4WD Series Tractors

SPECIFICATIONS

ENGINE		
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 & design subject to change without notice.



Mahindra Ag and Auto Australia

4/20 Buttonwood Place,
Willawong QLD 4110 Australia

Phone: +61 7 3213 1211

Toll Free: 1800 45 95 75 (within Australia)

Fax: +61 7 3213 1215

www.mahindraag.com.au

Dealer Details:

THE MAHINDRA **ML SERIES** OF 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.



Loader Specifications

LOADER MODEL
TRACTOR MODELS APPLICABLE
Maximum Lift Height
Clearance with Attachment Level
Clearance with Attachment Dumped
Reach at Maximum Height
Maximum Dump Angle
Reach with Attachment on Ground
Attachment Rollback Angle
Digging Depth Below Grade
Overall Height in Carry Position
Depth of Attachment (to back of inner shell)
Height of Attachment
Depth of Attachment (to pivot pin)
Lift Capacity to Full Height at Pivot Pins
Breakout Force at Ground Level, Pivot Pins
Relief Valve Setting (Loader Control Valve)
Rated Flow (Tractor System)
Attachment width used for specification
Bucket Capacity
Hydraulic System
Bucket Level Indicator
OPTIONAL ATTACHMENTS (For all models)

ML485
7580/7590- 4WD
(7580) 3450 mm - (7590) 3470mm
3040 mm
2445 mm
605 mm
47°
1981 mm
51°
250 mm
1520 mm
588 mm
559 mm
828 mm
1637 kgf
2325 kgf
180km/cm²
41.6 l/pm
2083 mm
0.450 cu.m
Tractor Pump with Loader Control Valve
Standard
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*

**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:

www.mahindraag.com.au

PH: 1800 45 95 75 (TOLL FREE)



FIND US ON FACEBOOK

facebook.com/mahindraag

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.