



## The Mahindra MBH Series of Backhoes

### Main features:

- The sub-frame mounting system mounts to the centre and rear end of tractor. This 4-point mounting system protects the tractor and still allows fast, easy installation and removal of backhoe without removing 3-point hitch arms.
- Backhoe valve is positioned low to operator. This allows less heat and noise to be transferred into operator's area.
- Dedicated hydraulic valve with dual plus axis levers.
- Heavy duty swing frame.
- Hydraulic flow used from the tractor pump.
- Optional bucket sizes are available.



BACKHOE MODEL	MBH65
	TRACTOR MODELS APPLICABLE
Digging Depth (to foot flat bottom)	2400 mm
Reach from centre line of swing pivot	3460 mm
Loading Height (bucket at 60°)	2040 mm
Max. Levelling Angle	10°
Swing Arc	180°
Transport Height (max)	2360 mm
Transport Overhang	1280 mm
Bucket Rotation	180°
Stabiliser Spread (down position)	1745 mm
Stabiliser Spread (up position)	1180 mm
Angle of departure	21°
Tyre size considered	11.2x24 / 16.9x30
Shipping weight	500 kg
Bucket Digging Force	1700 kgf
Dipperstick Digging Force	1000 kgf
Operating Pressure	170 bar
Standard Bucket Sizes	12"
Optional Bucket Sizes	18" and 24"

## Proven Quality – JAPAN QUALITY MEDAL WINNER



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.

## 4530 4WD / 6030 4WD / 7030 4WD Specifications

	4530 4WD	6030 4WD	7030 4WD
<b>ENGINE</b>			
Compression Ratio	19.4:1	19.4:1	19.4:1
Cylinder Sleeve	Wet replaceable	Wet replaceable	Wet replaceable
Cylinders	3	4	4
Displacement	2392 cc	3192 cc	3532 cc
Engine HP (kW) @ rpm	42.5 (37.1) @ 2100 rpm	59 (44.0) @ 2100 rpm	65 (48.4) @ 2200 rpm
Type	Four stroke, direct injection, water-cooled, diesel	Four stroke, direct injection, water-cooled, diesel	Four stroke, direct injection, water-cooled, diesel
<b>ELECTRIC</b>			
Alternator	12 volt, 36 amp	12 volt, 36 amp	12 volt, 36 amp
Battery Capacity	12 volt, 96 amp hours	12 volt, 96 amp hours	12 volt, 96 amp hours
<b>CLUTCH</b>			
Type	Dual with cerametallic lining	Dual	Dual
<b>TRANSMISSION</b>			
Number of Gears	8 forward, 8 reverse	8 forward, 8 reverse	8 forward, 8 reverse
Type	Forward-reverse synchro-shuttle with full synchromesh gearshift	Forward-reverse synchro-shuttle with full synchromesh gearshift	Forward-reverse synchro-shuttle with full synchromesh gearshift
<b>FRONT WHEEL DRIVE</b>			
Type	Mechanical	Mechanical	Mechanical
<b>STEERING</b>			
Pump Output	17.0 L/min	17.0 L/min	18.2 L/min
Type	Hydrostatic power	Hydrostatic power	Hydrostatic power
<b>BRAKES</b>			
Type	Dry disc	Wet disc	Wet disc
<b>HYDRAULIC SYSTEM</b>			
3-Point Linkage	Category 1 & 2 with telescopic check chains	Category 1 & 2 with telescopic check chains	Category 1 & 2 with telescopic check chains
Auxiliary Remote Valves	Optional	1 standard	2 standard
Lift Capacity	1800 kgs	1800 kgs	1800 kgs
Pump Output	41.6 L/min	41.6 L/min	43.1 L/min
Type	Open centre, full-live hydraulic with position and draft controls	Open centre, full-live hydraulic with position and draft controls	Open centre, full-live hydraulic with position and draft controls
<b>PTO</b>			
PTO HP (kW)	34 (25.3)	50 (37.3)	57 (42.5)
PTO RPM @ Engine RPM	540 @ 2100 rpm	540 @ 2058 rpm	540 @ 2058 rpm
Type	Independent	Independent	Independent
<b>OPERATING WEIGHT</b>			
Total	2595 kgs	2800 kgs	2885 kgs
<b>DIMENSIONS</b>			
Overall Length	3400 mm	3581 mm	3683 mm
Overall Width	1854 mm	2057 mm	2057 mm
Turning Radius	3325 min. mm	4114 min. mm	4191 min. mm
<b>TYRES</b>			
Ag (Front / Rear)	9.5x20 / 13.6x28	11.2x24 / 16.9x30	11.2x24 / 16.9x30
Industrial (Front / Rear)	10.5/80x18 / 16.9Lx24	12.5/80x18 / 19.5Lx24	12.5/80x18 / 19.5Lx24
<b>OPTIONS</b>			
Front Jerry Can Weights and Mounting Bracket	Available	Available	Available
Rear Wheel Weights	Available	Available	Available

This literature has been published for worldwide circulation. All models, options or attachments may not be available in all countries. Illustration may show optional equipment or may not show all standard equipment. Contact your local dealer for details. Mahindra reserves the right to change the specification and design without prior notice.

**Mahindra & Mahindra Ltd**  
4 / 20 Buttonwood Place  
Willawong QLD 4110 Australia  
Phone: +61 7 3213 1211 Fax: +61 7 3213 1215

Toll Free: 1800 45 95 75 (within Australia)  
[www.mahindra.com.au/www.mahindra.co.nz](http://www.mahindra.com.au/www.mahindra.co.nz)



## 4530 4WD / 6030 4WD / 7030 4WD 30 Series Tractors



**3 YEAR WARRANTY\***



\*3 Year Engine & Powertrain Warranty.  
See dealer for details.

4530 4WD / 6030 4WD / 7030 4WD  
**30 Series Tractors**

## Superior Performance

Rugged, versatile and full size 4WD utility tractors, these reliable workhorses are designed to perform multiple tasks, passing through the rigors of works with ease. Loaded with impressive standard features, the complete equipment package offers a high performance engine, easy shift synchromesh transmission with shuttle and big lift capacity. The side mounted range and gear shift levers contribute to a clean platform making entry and exit easier. These tractors are always up to the job. From secondary tillage to crop protection, mowing, farm services, transport tasks and material handling, they can perform a variety of tasks effortlessly.



### Unmatched NEF engine

These NEF Series of engines offer an unmatched combination of performance, fuel consumption and reliability. The high displacement coupled with advanced design ensures maximised torque levels as high as 238 Nm in 7030-4WD. And the excellent torque characteristics keep you moving even in the most difficult conditions.

### Heavy duty transmission

The standard 8F+8R, fully synchromesh heavy duty transmissions are extremely reliable and easy-to-use. It incorporates very wide gears providing great strength for the high torque loads being transmitted. The left hand synchronised reverser provides smooth and great control for maximum productivity during intensive loader operations and headland operations. The foot operated differential lock allows power to be equally transferred to both rear wheels for maximum traction when needed.

### Spacious operator platform

The deluxe seat designed for operator comfort features formed cushions, adjustable suspension and armrests. It is adjustable fore, aft and for height as well. The retractable seat belt is standard. All the control levers are ergonomically placed offering ease of operation. The side mounted range and gear shift levers contribute to an uncluttered operator platform making it easier for the operator to get on and off the tractor.

### Effortless clutch

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



### Heavy duty front axle

High reliability in loader and field operations is ensured by using the front axle which is designed for higher class tractors. The strong front axle with responsive hydrostatic steering provides a tight steering angle, so getting in & out of confined areas is easy.

### Remote hydraulics control valve

Two remote hydraulics control valves in 7030 4WD and one valve in 6030 4WD are provided as a standard feature (optional for 4530 4WD) to facilitate working with hydraulically powered implements.

### Friendly instrument panel

The ergonomically designed instrument panel is very operator friendly. The gauges are smartly arranged and the panel is easy to read.

### Powerful hydraulics

The live powerful hydraulics boasts a maximum lift capacity of 1800 kg to handle the heaviest of implements.

### 3-point linkage

Heavy and sturdy 3 point linkage is employed to ensure stability and safety. The lift rods and stabilizers are designed to allow easy implement hook up.

### Compare these Mahindra models for:

- Engine Max Torque
- Synchro-Shuttle Transmission
- Full Synchromesh Gear Shift
- Overall Tractor Weight

Optional Industrial Tyres



4530 4WD / 6030 4WD / 7030 4WD  
**30 Series Tractors**

## The Mahindra ML Series of Loaders

### Main features:

- Rugged mainframe with durable boom structure mounted rigidly across chassis.
- **Self Level Design**  
The linkages on the loader maintains the bucket in 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	ML445	ML3070
TRACTOR MODEL APPLICABLE	4530 4WD	6030 4WD/7030 4WD
Maximum Lift Height	2957 mm	3202 mm
Clearance with Attachment Level	2668 mm	2889 mm
Clearance with Attachment Dumped	2106 mm	2357 mm
Reach at Maximum Height	239 mm	515 mm
Maximum Dump Angle	77°	53°
Reach with Attachment on Ground	1841 mm	2048 mm
Attachment Rollback Angle	46°	50°
Digging Depth Below Grade	98 mm	194 mm
Overall Height in Carry Position	1590 mm	1717 mm
Depth of Attachment (to back of inner shell)	591 mm	588 mm
Height of Attachment	500 mm	559 mm
Depth of Attachment (to pivot pin)	656 mm	828 mm
Lift Capacity to Full Height at Pivot Pins	1245 kgf	1907 kgf
Breakout Force at Ground Level, Pivot Pins	1849 kgf	3087 kgf
Relief Valve Setting (Loader Control Valve)	160 kg/cm <sup>2</sup>	180 kg/cm <sup>2</sup>
Rated Flow (Tractor System)	41.6 L/min	41.6 L/min
Attachment width used for specification	1828 mm	1981 mm
Bucket capacity	0.330 cu.m	0.43 cu.m
Hydraulic System	Tractor pump with loader control valve	
Bucket Level indicator	Standard on all tractors	
OPTIONAL ATTACHMENTS (for all models)	Grill guard, bale spikes, pallet forks and 4-in-1 buckets	

