

# GET SUPERIOR PERFORMANCE AND UNBEATABLE MILEAGE OF 4.5\* LTR/HR WITH MAHINDRA EARTHMASTER VX



**EARTHMASTER VX**

## BEST-IN-CLASS FUEL EFFICIENCY WITH THE PROVEN MAHINDRA DITEC ENGINE

Mahindra has taken its learnings from tractor engines, to bring its fuel efficiency down to an incredible 4.5\* litres per hour.

- 10%\* \* more savings with Mahindra's DITEC engine
- 58.8 Kw (79.89 HP) Turbocharged intercooled diesel engine
- Fuel efficient, compact 4 cylinder, 3532cc engine
- BS III pollution compliant

powered-by  
**DITEC**



LOW MAINTENANCE



## LOWEST MAINTENANCE COST IN ITS CLASS

With better technology and design enhancements Mahindra has been able to lower lubricant refilling requirement with extended service intervals, thus reducing the overall maintenance cost.

- Hydraulic Oil: 50 litres with 2000 hours change interval
- Real Axle Oil: 17.10 litres with 1500 hours change interval
- Engine Oil: 13 litres with 500 hours change interval
- Transmission Oil: 10.2 litres with 1000 hours change interval

Mahindra EarthMaster VX is backed with a one year unlimited hours warranty. So you can enjoy peace of mind.

**1 YEAR**  
**WARRANTY**  
UNLIMITED HOURS

## SUPERIOR PRODUCTIVITY AND PERFORMANCE

Simple ideas, lead to great improvements. Mahindra EarthMaster VX is a substantially faster machine loaded with features that lead to far greater productivity.

- Better designed Banana Boom with 7%\*\* more reach
- Rugged and reputed gear pump
- Maximum Dig Depth: 4959 mm##
- Loader Dump Height: 2708 mm



## EFFORTLESS BACKHOE OPERATIONS WITH JOYSTICK

Mahindra EarthMaster VX offers specially designed Joysticks that are not only easy to use but also minimise fatigue, thus allowing operators to work longer.

- Joystick operated effortless power controls
- Minimum skill required
- Enables fatigue free longer working hours and enhanced productivity

**EARTHMASTER VX NOW AVAILABLE WITH NEW FEATURES**

**CONNECT CONTROL OPTIMIZE**

ALERT REPORTS

LOW FUEL INDICATION

VEHICLE USAGE REPORT

SERVICE REMINDER

GEO FENCING

**DIGI SENSE**  
by Mahindra

VEHICLE LOCATION HISTORY

VEHICLE HEALTH REPORT

VEHICLE TRACKING

## NEW DIGISENSE FEATURES

	New VX with DiGisense
Backhoe Hose Routing	Inverted Boom Cylinder with improved hose routing - Minimum hose movement
Side Cluster	Indication instrument Electronic engine hour meter
Connectors	IP67 certified connectors protects against water and dust ingress
Fuse & Relay Box Position	Fuse box relocated in B-Pillar; Relay box relocated inside side console area
Front Console	Common with SX, SX90, New VX
Service Due & Notification	✓
Machine History Record	✓
Battery Condition Monitoring	✓
Real Time Problem Alerting	✓
Problem Alerts by SMS	✓
Type of Problem Alert	✓
Event History	✓
Fuel Level	✓

	New VX with DiGisense
Idle Time Reporting	✓
Tow away Alert	✓
Water in Fuel	✓
Engine Oil Pressure	✓
Coolant Temperature	✓
Real Time Location Tracking	✓
Geo-Fencing	✓
Time Fencing	✓
Open Interface to IT Systems	✓
FM Radio	-
Speakers	-
Antenna	-



For years, earth moving products in India have remained the same, while technology around the world has been changing at a rapid pace. With rising fuel costs and increasing operational expenses, the profitability of customers has been taking a hit. Our designers at Mahindra – India's leading automotive and tractor manufacturer, looked at the current scenario and made some dramatic leaps in the technology in our own, self-designed Backhoe machine specifically for Indian usage patterns.

Mahindra EarthMaster VX Backhoe Loader is a revolutionary new machine that was born after over 4 years of research and over 20,000 hours of machine testing under the harshest conditions, is set to break all the standards in the 79.89 HP Backhoe Loader category.

Mahindra EarthMaster VX is a substantially more superior machine, with greater reliability, dramatically less maintenance, better operational kinematics and dynamics with a phenomenal fuel efficiency that saves at least a litre per hour.



# MAHINDRA EARTHMASTER VX

Features	
Excavator Controls	Joysticks
Instrument Cluster	DiGi sense - GPS, GPRS base vehicle health monitoring & tracking system
Voice Enabled Operator Instructions	Yes
Warranty	1 year^ Standard Warranty, Unlimited Hours
Banana Boom Design	Yes
180 Degree Revolving Seats with Arm Rest and Seat Belt	Yes
FM Radio with 2 way Speaker System	Yes
Mobile Charger	Yes
Storage Box	Yes
Engine	
Mahindra DITEC Diesel Engine	Turbocharged Intercooled
No. of Cylinders	4
Displacement	3532 cc
Gross Horse Power	58.8 kw (79.89 HP) @ 2300 +/- 50 RPM
Peak Gross Torque	306 Nm @1300-1700 RPM
Hydraulics	
System Type and Pressure	Open Centre: 250 Bars (3675 psi)
Pump Type	Fixed Displacement Gear Pump
Pump Delivery	115 litres @ 2350 RPM
Control Valves (Backhoe and Loader)	Sectional Valves (Sandwich Type, Individually Replaceable)
Transmission	
<b>Type:</b> Four Speed (4 Forward, 4 Reverse), Two Wheel Drive (2 WD), Synchro Shuttle Transmission with Electrically Operated Reversing Shuttle and Torque Converter having Stall Ratio of 2.64:1	
Speed (Gear - F/R)	
1st F/R	5.66 km/hr
2nd F/R	9.11 km/hr
3rd F/R	20 km/hr
4th F/R	39.97 km/hr
Axles	
<b>Rear Axle:</b>	Rigidly mounted drive axle, with outbound planetary final drives, driven by short drive shaft
<b>Front Axle:</b>	Centrally pivoted, non-driven unbalanced type axle, with total oscillation of 16°, with remote greasing facility for the main pin.
Brakes	
<b>Service Brakes:</b>	Hydraulically actuated, self adjusting, maintenance free, oil immersed multi-disc, on the rear axle, operated by independent foot pedals, joined together for normal operation.
<b>Parking Brakes:</b>	Hand operated, inbuilt in the rear axle, low maintenance
Electricals	
Dust-proof switches, ignition controls for engine start and stop, horn and reverse alarm, water and dust proof electrical connectors. 100Ah, 12V, Low maintenance battery. Alternator: 90 Ampere.	
Cabin	
Ergonomically designed cab with contemporary styling, excellent operator comfort, day and night time visibility, rear view mirror, multiple storage options, two door access, sliding rear window, stowable doors and an integrated tool box. Cabin frame built with sturdy tubular sections and protected with CED technology for longer rust protection. Fully adjustable premium operator seat with safety belt. Excellent leg space, conveniently positioned control levers and pedals. Low line curved hood to enhance operator visibility	
Steering	
Front wheel hydrostatic power steering with priority function and pressure relief setting of 145 bar	

Operator Information and Entertainment System		
<b>Front Cluster:</b> Water and Dust-proof, with speedometer, Turn and Head Light signals.		
<b>Right Side Cluster:</b>		
<ul style="list-style-type: none"> <li>● LCD Display screen Indicating RPM, Kilometers Run, Hours Run, Fuel Level, Temperature</li> <li>● LCD Display Screen and Voice Messages in Six Regional Languages</li> <li>● One can enjoy music with its in-built FM Radio and Speaker System</li> </ul>		
Excavator Performance		
Maximum Dig Depth		4959 mm#
Reach at Ground Level to Slew centre		5794 mm
Reach at Full Height to slew centre		2676 mm
Maximum Working Height		6043 mm#
Maximum Load Over Height		4302 mm#
Excavator Pivot Mechanism		Side Shift
Side Reach to the Centre of the Machine		6324 mm
Excavator Bucket Breakout Force		5199 kg
Excavator Arm Breakout Force		3182 kg
Boom Hydraulic lift Capacity		1449 kg
Backhoe Bucket Capacity		0.27 CuM
Loader Performance		
Dump Height		2708 mm
Load Over Height		3253 mm
Reach at Ground		1350 mm
Maximum Reach at Full Height		1115 mm
Loader Bucket Breakout Force		6243 kg
Loader Arm Breakout Force		5594 kg
Loader Lift Capacity at Full Height		3428 kg
Loader Bucket Capacity		1.1 CuM, Also available in 6-in-1 bucket
Service Capacities	System Capacities	Service Replacement Capacities
Hydraulic Oil Circuit Capacity	100 Litres	50 Litres
Fuel Tank	120 Litres	120 Litres
Engine Coolant	Ready Mix (17 Litres)	17 Litres
Engine Oil	13.7 Litres	13 Litres
Transmission	19.2 Litres	10.2 Litres
Rear Axle	17.10 Litres	17.10 Litres
Tyres	Standard (Traction) Indu.	Optional (Heavy Duty)
Front	9 X 16-16PR	9 X 16-16PR
Rear	16.9 X 28-12PR	14 X 25-20PR / 12PR
Turning Radius		
Outside Bucket (Inner Wheels Braked)		4494 mm
Outside Wheels (Inner Wheels Braked)		3091 mm
Outside Bucket (Inner Wheels Not Braked)		5697 mm
Outside Wheels (Inner Wheels Not Braked)		4464 mm
Shipping Weight of Vehicle		
Shipping Weight of the Machine with Industrial Tyres		7430 kg
Shipping Weight of Machine with Heavy Duty Tyres		7580 kg

Technical specifications, features are subjected to change without prior notice. Image used are for representative purpose only. Accessories shown may not be a part of the standard product. Actual colours may vary. E&O.E.^Standard exclusions apply. For further details on the warranty, please contact your dealer. \*According to government approved independent agency, under manufacturer standard PER /VEH/21 certified at 1450 RPM.\*When compared to a standard excavation cycle. ##Value measured under specific measuring condition.

## Mahindra Construction Equipment

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