

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

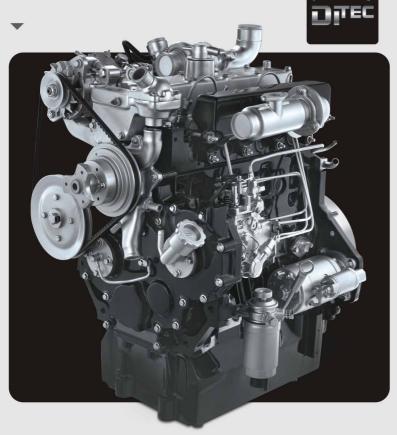


Mahindra Rise

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





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

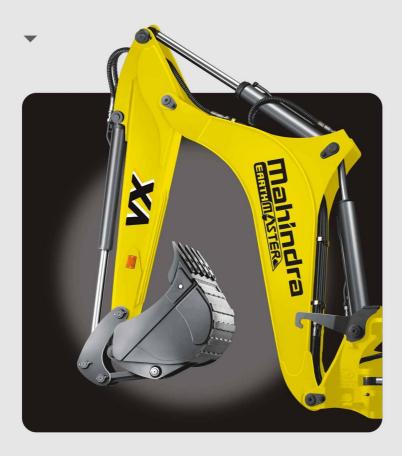
Mahindra EarthMaster VX is backed with a one year unlimited hours warranty. So you can enjoy peace of mind.



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



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	



MAHINDRA EARTHMASTER VX

Features		
Excavator Controls	Joysticks	
Instrument Cluster	DiGi sense - GPS, GPRS base vehicle health monitoring & tracking syst	
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		
Reversing Shuttle and Torque Convertor having Stall Ratio of	(2 WD), Synchro Shuttle Transmission with Electrically Operated 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		
Rear Axle: Rigidly mounted drive axle, with outbound planetary final driv Front Axle: Centrally pivoted, non-driven unbalanced type axle, with tota	ves, driven by short drive shaft I oscillation of 16°, with remote greasing facility for the main pin.	
Brakes		
Service Brakes:	mmersed multi-disc, on the rear axle, operated by independent foot	
Electricals		
Electricals		

 $Ergonomically designed cab {\it with contemporary styling, excellent operator comfort, day and {\it night time visibility, rear view mirror, multiple}$ 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

Front wheel hydrostatic power steering with priority function and pressure relief setting of 145 bar

Operator Information and Entertainment System Front Cluster: Water and Dust-proof, with speedometer, Turn and Head Light signals.

- LCD Display screen Indicating RPM, Kilometers Run, Hours Run, Fuel Level, Temperature
- LCD Display Screen and Voice Messages in Six Regional Languages
- One can enjoy music with its in-built FM Radio and Speaker System

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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 Canacity	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 (Ipper Wheels Broked)	2001 mm		

red)	4494 mm	
ked)	3091 mm	
Braked)	5697 mm	
Braked)	4464 mm	
Industrial Tyres	7430 kg	
eavy Duty Tyres	7580 kg	
	ked) Braked) Braked) Industrial Tyres eavy Duty Tyres	ked) 3091 mm Braked) 5697 mm (Braked) 4464 mm Industrial Tyres 7430 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 very. ESO.E. 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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