

mahindra
CONSTRUCTION
EQUIPMENT

INDIA'S ONLY BACKHOE LOADER TO GUARANTEE BETTER PERFORMANCE & UPTIME

EARTHMASTER SX^{IV}



HIGHEST
PRODUCTIVITY PER Litre
OR GIVE YOUR
BACKHOE LOADER BACK
GUARANTEED*

48^h
UPTIME
OR GET ₹1000 PER DAY
GUARANTEED*

With
iMAXX
Telematic Remote Care

MAHINDRA'S BRAND-NEW
BS IV ENGINE.

DRIVING YOU TOWARDS PROSPERITY.

The internationally-proven Mahindra engine, best-in-class fuel efficiency, and an optimal backhoe performance make the EarthMaster SX the king of savings. And guess what? There's more to it:

- Mahindra has taken its learnings from tractor engines to reduce its fuel efficiency to an incredible 4.5* l/h, impacting the overall savings of customers positively.
- The Mahindra engine brings you assured reliability with a low maintenance cost.
- Its 55 kW (74HP) power is optimum for high-level backhoe performance.
- Proven and tested expertise in CRDI technology.

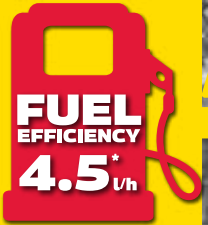
LOWER RUNNING COST.

HIGHER PROFIT.

The cost of running for the EarthMaster SX & VX is like no other. Lower than other machines. Here's why:

- **Lowest per-hour service resulting in low maintenance cost.**
- **Increased hydraulic oil change interval with a lower refill capacity.**
- **Economical service parts.**
- **Economical and effective lubricants with lowest per-litre cost.**
- **Low refill capacities.**
- **Higher change interval.**

*Guarantee is applicable on SX only.
Please visit www.mahindraconstructionequipment.com for more information on guarantees.



SX IV



55 kW
(74 HP)
POWER

13%
MORE
TORQUE

₹ LOWEST
COST OF
RUNNING



50+ DEALERS ACROSS INDIA • 200+ SALES EXECUTIVES • 300+ TRAINED SERVICE ENGINEERS • 60+ SERVICE VANS

A PLETHORA OF FEATURES.

A PROMISE OF PROSPERITY.

The EarthMaster SX & VX are powerhouses of performance. But what makes them truly special are their wide range of top-class features. From first-rate hydraulics to a world-class operator experience, the EarthMaster SX & VX are everything you ever wanted.

STRUCTURE:

- **Better dig Depth** with 2 mm thicker plates than usual for applications where the strength is needed.

HYDRAULICS:

- **Better backhoe speed & performance** due to higher flow-handling capacity and less pressure losses.
- **Lower per hour maintenance cost** due to higher change interval of consumables leading to higher savings.

BIGGER BUCKETS:

- Mahindra Earthmaster backhoe bucket is around **8% bigger** than competition.

SLIDING FRAME:

- **Better Grip and Stability** due to its 12-bolt support plate design and balanced weight distribution.

BANANA BOOM:

- **Easy to fill Tippers and Trolleys** as its boom design never interferes with the body.

FINAL DRIVE:

- **Reliable Aggregates** which are less prone to failure due to its design which ensures **better lubrication** in all parts even in incline position, **Increasing life of the Final Drive**

CABIN COMFORT

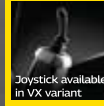
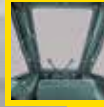
- Mahindra believes that the most important part of the machine is the person operating it. That is why, we have worked hard to make operator experience the most comfortable for long hours of work. Operators can store their essentials easily in the machine. The EarthMaster SX & VX have ergonomically designed, methodical cabins, so the operator can focus solely on productivity.

CONTROL YOUR BUSINESS FROM YOUR POCKET WITH IMAXX

- The EarthMaster SX & VX come with the latest Mahindra IMAXX Telematics remote care technology. You can think of it as your personal assistant that updates you with vital information about your vehicle and your business.

EARTHMASTER VX

- Mahindra EarthMaster VX offers specially designed joysticks that are not just easy to use but also help minimise fatigue, thus allowing operators to work for longer hours.
- Joystick-operated effortless power controls.
- Minimum skill required.
- Enables less fatigue, longer working hours and enhanced productivity.





| FEATURES | |
|--|--|
| Excavator Controls | Mechanical Levers |
| Instrument Cluster | Analog |
| | IMAXX - GPS, GPRS base vehicle health monitoring & tracking system |
| Warranty | 1 year^ Standard Warranty, Unlimited Hours |
| Banana Boom Design | Yes |
| 180°C Revolving Seats with Arm rest and Seat Belts | Yes |
| Mobile Charger | Yes |
| Storage Box | Yes |
| ENGINE | |
| VNEF 3.5 L 55 kW (74 HP) BSIV | Turbocharged Intercooled |
| Number of Cylinders | 4 |
| Displacement | 3532 cm³ (cubic centimetre) |
| Gross Power | 55 kW (74hp) @ 2200 r/min |
| Peak Gross Torque | 345 Nm @ 1200-1500 r/min |
| HYDRAULICS | |
| System Type and Pressure | Open Centre: 25 MPa (3675 psi) |
| Pump Type | Fixed displacement, Gear Pump, 52 cm³ (cubic centimetre) |
| Pump Delivery | 117 l/min @ 2250 r/min |
| Control Valves (Backhoe Loader) | Sectional Valves (Sandwich Type, Individually Replaceable) |
| TRANSMISSION | |
| Type: Type: Four Speed (4 Forward, 4 Reverse), Low Noise, Two Wheel Drive (2 WD), Synchro Shuttle Transmission with Electrically Operated Reversing Shuttle and Torque Convertor | |
| AXLES | |
| Rear Axle: Rigidly mounted drive axle, with outbound planetary final drives, driven by short drive shaft. Front Axle: Centrally pivoted, non-driven unbalanced type axle, with total oscillation of 16°C, with remote greasing facility for the main pin. | |
| BRAKES | |
| Service Brakes: Hydraulically actuated, self adjusting, maintenance free, oil immersed multi-disc, on the rear axle, operated by independent foot pedals, joined together for normal operation. Parking Brakes: Hand operated mechanically actuated caliper type brake | |
| 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. ROPS, FOPS Compliance - Yes | |
| STEERING | |
| Front wheel, Hydraulic Power Steering, with priority function and pressure relief valve. Emergency steering in case of Power Failure. | |
| OPERATOR INFORMATION | |
| Front Cluster: With Speedometer, Turn and Head Light Signals indicating r/min, kilometre Run, Hours Run, Fuel Level, Temperature. | |

Technical specifications, features are subject to change without prior notice. Images used are for representative purpose only. Accessories shown may not be a part of the standard product. Actual colors may vary. E&O.E. *Standard exclusions apply. For further details on warranty, please visit your nearest dealer. *According to government approved independent agency, under manufacturer standard **PER/VEH/21 certified at 1450 r/min.**
^Value measured under specific measuring conditions.

DEALER NAME

| BACKHOE PERFORMANCE | | |
|---|---|-----------------------|
| Maximum Dig Depth | A | 4959 mm [#] |
| Reach at Ground Level to Slew Centre | C | 5794 mm |
| Reach at Full height to Slew Centre | D | 2774 mm |
| Maximum Working Height | F | 6043 mm [#] |
| Maximum Load Over Height | G | 4131 mm [#] |
| Side Reach to the Centre of the Machine | E | 6324 mm |
| Excavator Pivot Mechanism | | Side Shift |
| Back-Hoe Bucket Tearout Force | | 5199 kg |
| Back-Hoe Arm Tearout Force | | 3182 kg |
| Lift Capacity to Bucket Pivot at Full Reach (no bucket fitted) (SAE J331) | | 1449 kg |
| Backhoe Bucket Capacity | | 0.27 m³ (cubic metre) |

| LOADER PERFORMANCE | | |
|-------------------------------------|---|---|
| Dump Height | M | 2708 mm |
| Load Over Height | N | 3253 mm |
| Reach at Ground | Q | 1350 mm |
| Maximum Reach at Full Height | R | 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 m³ (cubic metre), Also available in 6-in-1 bucket |

| SPEED (GEAR - F/R) | | |
|--------------------|------------|------------|
| | HD | IND |
| 1st F/R | 5.43 km/h | 5.66 km/h |
| 2nd F/R | 8.84 km/h | 9.11km/h |
| 3rd F/R | 19.20 km/h | 20.00 km/h |
| 4th F/R | 38.37 km/h | 39.97 km/h |

| SERVICE CAPACITIES | | |
|--------------------------------|-------------------|--------------------------------|
| | SYSTEM CAPACITIES | SERVICE REPLACEMENT CAPACITIES |
| Hydraulic Oil Circuit Capacity | 100 litre | 50 litre |
| Fuel Tank | 140 litre | 140 litre |
| Engine Coolant | 17 litre | 17 litre |
| Engine Oil | 13.7 litre | 13 litre |
| Transmission 2WD | 19.20 litre | 10.20 litre |
| Transmission 4WD | 22 litre | 12 litre |
| Rear Axle | 17.10 litre | 17.10 litre |

| TYRES | | |
|------------------|-----------------------|----------------------------------|
| | OPTIONAL (HEAVY DUTY) | STANDARD (TRACTION) (INDUSTRIAL) |
| Front - 2W Drive | 9.00 -16 -16 PR | 9.00 -16-16 PR |
| Front - 4W Drive | 12.5 /80 - 18 12 PR | 12.5 /80 - 18 12 PR |
| Rear | 14.00 - 25 20 PR/12PR | 16.9 - 28 12 PR |

| 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 HD Tyre | 7584 kg |

Mahindra Construction Equipment
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