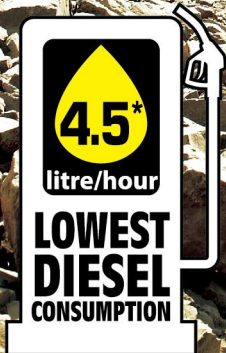


INDIA'S MOST FUEL EFFICIENT BACKHOE LOADER.

***THE NEW MAHINDRA EARTHMASTER SX GIVES YOU
A MILEAGE OF 4.5* litre/hour.***



For years, earth moving products in India have remained the same, even as technology 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 of our own Backhoe Loader designed specifically for Indian usage patterns.

After over 4 years of research and over 20,000 hours of machine testing under the harshest conditions, Mahindra is proud to present the new and refreshed Mahindra EarthMaster SX Backhoe Loader, a revolutionary new machine that will break all the standards in the 79.89 HP Backhoe Loader category. Mahindra EarthMaster SX 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.

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

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

- 10%# more savings with Mahindra's DITEC engine
- Compact 4 cylinder, 3532cc engine
- Turbocharged intercooled engine
- BS III emission compliant



LOW MAINTENANCE



SUPER SAVING

LOW MAINTENANCE COST, MORE SAVINGS

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
- Rear Axle Oil: 17.1 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 SX 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 SX is a substantially faster machine loaded with features that lead to far greater productivity.

- Banana Boom with 7%# more reach
- Rugged and reputed Gear Pump
- Maximum Dig Depth: 4959## mm
- Loader Dump Height: 2708 mm



SUPERIOR CONVENIENCE AND COMFORTABLE DESIGN

Mahindra believes that the most important part of the machine, is the person operating it. That's why we have worked hard to make his experience the most comfortable for his long hours of work.

- Ergonomic layout and seating – all controls are smooth and easy to reach
- Advanced Mechanical Control Levers
- 21st century styling, with plush car like interiors
- Personal Storage Space and Tool Box with easy access



EARTHMASTER SX

MAHINDRA EARTHMASTER SX

Features	
Excavator Controls	Mechanical Levers
Instrument Cluster	Analog
	DiGi sense - GPS, GPRS base vehicle health monitoring & tracking system (Optional)
Warranty	1 year [^] , Unlimited Hours
Banana Boom Design	Yes
180 Degree Revolving Seat with Arm Rest and Seat Belt	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	
Type: 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	
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°, 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, 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 cabin 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			
Front Cluster: With speedometer; turn and head light signals indicating RPM, kilometers run, fuel level, temperature.			
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	
Speed (Gear – F/R)			
1st F/R		5.66 km/hr	
2nd F/R		9.11 km/hr	
3rd F/R		20.00 km/hr	
4th F/R		39.97 km/hr	
Service Capacities		System Capacities	Service Replacement Capacities
Hydraulic Oil Capacity		100 Litres	50 Litres
Fuel Tank		120 Litres	120 Litres
Engine Coolant		17 Litres	17 Litres
Engine Oil		13.7 Litres	13 Litres
Transmission		19.20 Litres	10.20 Litres
Rear Axle		17.10 Litres	17.10 Litres
Tyres		Standard (Traction/Industrial)	Optional (Heavy Duty/ HD)
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 kgs	
Shipping Weight of Machine with Heavy Duty Tyres		7580 kgs	

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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