

**mahindra**  
Construction Equipment

**CREATE A BETTER  
TOMORROW WITH**

**ASSURED  
HIGHER  
PROFITS.**

**EARTHMASTER**  
**SX SMART50**



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 simply makes the EarthMaster SX Smart the king of savings. And guess what? There is more to it:

- Mahindra has taken its learnings from tractor engines to bring its fuel efficiency down to an incredible 4.2\* l/h impacting the overall savings of customers positively.
- The Mahindra engine brings you assured reliability with a low maintenance cost.
- The 36.2 kW (49.2 HP) power is optimized for high level backhoe performance.
- Proven and tested expertise in inline FIP mechanical engine.
- It is easy to repair ensuring Peace of mind.

**LOWER RUNNING COST.  
HIGHER PROFIT.**

The cost of running for the EarthMaster SX Smart 50 is like no other. Lower than most other machines. Here is why:

- **Lowest per-hour service resulting in savings on maintenance.**
- **Increased hydraulic oil change interval.**
- **Economical service parts.**
- **It includes economical and effective lubricants with lowest per-litre cost.**
- **Requires low refill capacities.**
- **It has a higher change interval.**

\*Guarantee is applicable on SX only. Please visit [www.mahindraconstructionequipment.com](http://www.mahindraconstructionequipment.com) for more information on guarantees.



**36.2 kW  
(49.2 HP)  
POWER**

**SX SMART 50**



**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 Smart 50 is a powerhouse of performance. But what makes it truly special are a wide range of top-class features. From top-notch hydraulics to a world-class operator experience, the EarthMaster SX Smart 50 gives you everything you ever wanted at an economical cost.



**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**

- That is why, we have worked hard to make operator experience the most comfortable for long hours of work ensuring low attrition of operators. Operators can store their regular stuff easily in the machine. The EarthMaster SX Smart 50 has an ergonomically designed methodical cabin, so the operator can focus solely on productivity.

**CONTROL YOUR BUSINESS FROM YOUR POCKET WITH IMAXX**

- The EarthMaster SX Smart 50 comes 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 Machine and your business.





Model		
	HD	ID
BHL SX Smart	7586	7477
FEATURES		
Excavator Controls	Mechanical Levers	
Instrument Cluster	Analog	
Warranty	IMAXX - GPS, GPRS base vehicle health monitoring & tracking system	
Banana Boom Design	1 year^ Standard Warranty, Unlimited Hours	
180°C Revolving Seats with Arm rest and Seat Belts	Yes	
Mobile Charger	Yes	
Storage Box	Yes	
ENGINE		
Mahindra Diesel Engine	Naturally Aspirated NEF Engine	
Number of Cylinders	4	
Displacement	3532 cm <sup>3</sup> (cubic centimetre)	
Gross Power	36.2 kW (49.2hp) @ 2100 r/min	
Peak Gross Torque	235 Nm @ 1000-1300 r/min	
HYDRAULICS		
System Type and Pressure	Open Centre: 21 MPa	
Pump Type	Fixed Displacement Gear Pump	
Pump Delivery	103 l/min @ 2100 r/min	
Control Valves (Backhoe Loader)	Sectional Valves (Sandwich Type, Individually Replaceable)	
TRANSMISSION		
<b>Type:</b> Four Speed (4 Forward, 4 Reverse), Low Noise, Two Wheel Drive (2 WD), Synchro Shuttle Transmission with Electrically Operated Reversing Shuttle and Torque Converter		
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°C, 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 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 acces, 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 hydrostatic 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	4854 mm <sup>#</sup>
Reach at Ground Level to Slew Centre	C	5585 mm
Reach at Full height to Slew Centre	D	2774 mm
Maximum Working Height	F	5793 mm <sup>#</sup>
Maximum Load Over Height	G	3952 mm <sup>#</sup>
Side Reach to the Centre of the Machine	E	6115 mm
Excavator Pivot Mechanism		Side Shift
Backhoe Bucket Tearout Force		5154 kg
Backhoe Arm Tearout Force		3210 kg
Lift Capacity to Bucket Pivot at Full Reach ( no bucket fitted) ( SAE J31)		1403 kg
Backhoe Bucket Capacity		0.27 m <sup>3</sup> (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		4867 kg
Loader Arm Breakout Force		3902 kg
Loader Lift Capacity at full height		2493 kg
Loader Bucket Capacity		1.1 m <sup>3</sup> (cubic metre)

SPEED (GEAR - F/R)	
1st gear F/R	4.9 km/h (max)
2nd gear F/R	7.8 km/h (max)
3rd gear F/R	20.6 km/h (max)
4th gear F/R	33 km/h (max)

SERVICE CAPACITIES		
	SYSTEM CAPACITIES	SERVICE REPLACEMENT CAPACITIES
Hydraulic Oil Circuit Capacity	100 litre	50 litre
Fuel Tank	120 litre	120 litre
Engine Coolant	17 litre	17 litre
Engine Oil	13.7 litre	13 litre
Transmission	19.20 litre	10.20 litre
Rear Axle	17.10 litre	17.10 litre

TYRES		
	STANDARD (TRACTION) (INDUSTRIAL)	OPTIONAL (HEAVY DUTY)
Front	9.00 - 16 16 PR	9.00 - 16 16 PR
Rear	16.9 - 28 12 PR	14.00 - 25 20 PR/ 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	7477 kg
Shipping Weight of Machine with HD Tyre	7586 kg

#### Mahindra Construction Equipment

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