

# MAHINDRA EARTHMASTER SX 4 WHEEL DRIVE (4WD)

Features	
Excavator Controls	Mechanical Levers
Instrument Cluster	DiGi sense - GPS, GPRS base vehicle health monitoring & tracking system
Warranty	1st Year* Standard Warranty, Unlimited Hours
Banana Boom Design	Yes
180 Degree Revolving Seats with Arm Rest and Seat Belts	Yes
Storage Box	Yes
Mobile Charger	Yes
Engine	
Mahindra DITEC	Turbocharged Intercooled Diesel Engine
No. of Cylinders	4
Displacement	3532 cc
Gross Horse Power	58.8 kw (79.89 HP) @ 2300 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 Liters @ 2350 RPM
Control Valves (Backhoe Loader)	Sectional Valve (Sandwich Type, Individually replaceable)
Transmission	
Four speed (four forward, 4 reverse), Four Wheel Drive (4WD), Synchro Shuttle Transmission with Electrically operated reversing shuttle and torque converter having Stall Ratio of 2.64:1	
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, driven and steered for 4 wheel drive axle, with total oscillation of 16°
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 air-conditioned 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		
<b>Front Cluster:</b> With speedometer, turn and head light signals indicating RPM, kilometers run, hours run, fuel level, temperature.		
Excavator Performance		
Maximum Dig Depth	4947 mm**	
Reach at Ground Level to Slew Centre	5773 mm	
Reach at Full Height to Slew Centre	2795 mm	
Maximum Working Height	6145 mm	
Maximum Load Over Height	4185 mm	
Excavator Pivot Mechanism	Side Shift	
Side reach to the Centre of the Machine	6324 mm	
Excavator Bucket Breakout Force	5194 kg	
Excavator Arm Breakout Force	3450 kg	
Lift Capacity Lift Bucket Pivot at full Reach	1449 kg	
Backhoe Bucket Capacity	0.27 Cum	
Loader Performance		
Dump Height	2715 mm	
Load Over Height	3267 mm	
Maximum Reach at Full Height	1110 mm	
Loader Bucket Breakout Force	6060 kg	
Loader Arm Breakout Force	5346 kg	
Loader Lift Capacity at Full Height	3112 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	38.11 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 Oil	22 Litres	12 Litres
Rear Axle Oil	17.10 Litres	17.10 Litres
Front Axle Oil	9.10 Litres	9.10 Litres
Tyres		
	Standard (Traction)	Optional (Heavy Duty)
Front	12.5 x 18-12 PR	12.5 x 18-12 PR
Rear	16.9 x 28-12 PR	14 x 25-20 PR / 12 PR
Turning Radius		
Outside Bucket (Inner Wheels Braked)	4494 mm	
Outside wheels (Inner Wheels Braked)	3083 mm	
Outside Bucket (Inner Wheels Not Braked)	5099 mm	
Outside Wheels (Inner Wheels Not Braked)	3825 mm	
Shipping Weight of Vehicle (as per latest ARAI measurement)		
Shipping weight of the Machine with Industrial Tyres	7730 kg	
Shipping weight of Machine with HD Tyres	7880 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 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. ROPS/SOPS certified.