

SPECIFICATION SHEET

Engine		
Model	4915-IA-CEV	
Emission Standard	BS III	
Type	Turbocharged Intercooled	
No. of Cylinders	4	
Displacement	3532 cc	
Gross Horse Power	91 HP (66.9 kW) @ 2200 RPM	
Peak Gross Torque	360 Nm ± 5% @ 1400 - 1600 RPM	
Hydraulics		
System Type and Pressure	Open Centre: 250 Bars (3675 PSI)	
Pump Type	Fixed Displacement, Gear Pump	
Pump Delivery	117 litres @ 2250 RPM	
Control Valves (Backhoe and Loader)	Sectional Valves (Sandwich Type, Individually Replaceable)	
Transmission		
Type: Four Speed (4 Forward, 4 Reverse), Four Wheel Drive (4 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: Four Wheel Drive (4 WD) Centrally pivoted, driven type balanced 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, Disc type		
Electricals		
Dust-proof switches, ignition controls for engine start and stop, horn and reverse alarm, water and dust-proof electrical connectors. Electric: 12V, Battery: 100Ah Alternator: 90 Ampere		
Cabin		
Air conditioned, 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. ROPS, FOPS Compliant AC Cabin.		
Steering		
Front wheel hydrostatic power steering with priority function and pressure relief setting of 145 bar.		
Operator information and Entertainment System		
M-Star Non - CAN cluster with Water and Dust-proof connectors (IP-67) with Speedometer, Turn and Head Light Signals. Gauges : Temperature, Oil, Fuel, RPM gauge		
Gear Speed (Max with IT Tyres)		
1st F/R	5.33 km/hr	
2nd F/R	8.58 km/hr	
3rd F/R	18.83 km/hr	
4th F/R	37.64 km/hr	
Service Capacities		
	System Capacities	Service Replacement Capacities
Hydraulic Oil 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	22 Litres	12 Litres
Rear Axle	17.1 Litres	17.1 Litres
Front Axle	9.1 Litres	9.1 Litres

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.S.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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Tyres		Standard (Industrial/Heavy Duty)			
Front		12.5 / 18 -12PR (IT/HD)			
Rear		16.9 X 28 - 12PR (IT), 14 X 25 - 12PR/20PR (HD)			
Backhoe Static Dimension		Standard Configuration		Extendable Dipper Configuration	
		VX90 4WD IT	VX90 4WD HD	DIPPER CLOSED	DIPPER OPEN
AA	Overall Length	5864 mm	5856 mm	5825 mm	
AB	Wheelbase	2175 mm	2175 mm	2175 mm	
AE	Height to top of Cab	2950 mm	2950 mm	2950 mm	
AF	Overall Height	3665 mm	3634 mm	3665 mm	
AG	Track Width Rear	1720 mm	1720 mm	1720 mm	
AH	Track Width Front	1920 mm	1920 mm	1914 mm	
AJ	Width over Bucket	2404 mm	2404 mm	2404 mm	
AK	Max Length From Front Axle Center (Carry Position)	1836 mm	1829 mm	1836 mm	
AL	Max Length From Rear Axle Center (Carry Position)	3207 mm	3210 mm	3578 mm	
AM	Width During Transport Condition	2422 mm	2422 mm	2907 mm	
AN	Max Length (Carry Position)	7218 mm	7215 mm	7589 mm	
Backhoe Performance					
A	Max Dig Depth*	4959 mm	4959 mm	4542 mm	5432 mm
B	Reach at ground level to Wheel Center	7092 mm	7101 mm	7268 mm	8116 mm
C	Reach at ground level to Slew Center	5761 mm	5773 mm	5922 mm	6776 mm
D	Reach at full height to Slew Center	2676 mm	2676 mm	2915 mm	3611 mm
E	Side Reach to Center of Machine	6291 mm	6303 mm	6453 mm	7301 mm
F	Max Working Height*	6043 mm	6043 mm	5549 mm	6104 mm
G	Max Load Over Height*	4302 mm	4302 mm	3703 mm	4257 mm
H	King Post Travel	1060 mm	1060 mm	1060 mm	1060 mm
Y	Bucket Tearout Force	5828 kg	5828 kg	5297 kg	5297 kg
Z	Dipper Tearout Force	3182 kg	3182 kg	3014 kg	2330 kg
	Lift capacity to bucket pivot at full reach w/o bucket	1449 kg	1449 kg	1255 kg	850 kg
	Bucket (Standard)		0.3 CuM		0.18 CuM
Loader Performance					
M	Dump Height	2715 mm	2723 mm	2715 mm	
N	Load Over Height	3267 mm	3277 mm	3267 mm	
O	Pin Height	3477 mm	3482 mm	3477 mm	
P	Pin Forward Reach	220 mm	204 mm	220 mm	
Q	Reach at Ground	1350 mm	1350 mm	1350 mm	
R	Max Reach at Full Height	1100 mm	1084 mm	1100 mm	
S	Reach at Full Height - Bucket Dump	706 mm	694 mm	706 mm	
T	Below Ground Level Dig Depth	107 mm	97 mm	107 mm	
U	Roll Back Angle at Ground	43°	44°	43°	
V	Dump Angle	44°	44°	44°	
W	Roll Back Angle at Max Lift	48°	49°	48°	
X	Overall Height Bucket Raised	4415 mm	4415 mm	4415 mm	
1	Bucket Breakout Force	6243 kg	6243 kg	6243 kg	
2	Loader Arm Breakout Force	5594 kg	5594 kg	5594 kg	
	Shovel	1.1 CuM (6-in-1)	1.1 CuM (6-in-1)	1.1 CuM (6-in-1)	
	Lift Capacity at Max Height	3428 kg	3428 kg	3128 kg	
	Payload	1800 kg	1800 kg	1800 kg	
Turning Radius					
Inner Wheel Braked					
	Turning Radius outside bucket	4494 mm	4494 mm	4494 mm	
	Turning Radius outside wheels	3083 mm	3083 mm	3083 mm	
Inner Wheel Not Braked					
	Turning Radius outside bucket	5150 mm	5150 mm	5150 mm	
	Turning Radius outside wheels	3825 mm	3825 mm	3825 mm	
Shipping Weight of Vehicle					
	Net Weight of Machine	7592 kg	7742 kg	7901 kg	

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Construction Equipment

PERFORMANCE PAR EXCELLENCE MOST VERSATILE BACKHOE LOADER

NOW AVAILABLE WITH AIR CONDITIONED CABIN



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 incredible.

- 10%** more savings with Mahindra's engine
- 66.9 kW (91 HP) Turbocharged intercooled diesel engine
- Fuel efficient, compact 4 cylinder, 3532cc engine
- BS III Emission norms compliant



Mahindra EarthMaster VX90 4WD is backed with a 1 year **Unlimited Hours** warranty. So you can enjoy peace of mind.



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: 17.10 litres with 1500 hours change interval
- Front Axle Oil: 9.10 litres with 1500 hours change interval
- Engine Oil: 13 litres with 500 hours change interval
- Transmission Oil: 12 litres with 1000 hours change interval

SUPERIOR PRODUCTIVITY AND PERFORMANCE

Simple ideas, lead to great improvements. Mahindra EarthMaster 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: 2723 mm
- Maximum Load Over Height (Loader): 3277 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

AC CABIN FOR ALL WEATHER COMFORT

- Optional Air Conditioning system with 6 air vents positioned all around the cabin ensures quick & even cooling from all directions
- Dust free & comfortable environment for the operator enables better productivity with low fatigue for longer working hours
- Efficient cooling with minimal impact on fuel consumption
- AC unit positioned at a convenient location for easy service & maintenance access
- Superior leak free cabin ensures zero dust & debris entry inside the cabin



CONNECT CONTROL OPTIMIZE



VEHICLE TRACKING

VEHICLE HEALTH REPORT



GEO FENCING

ALERT REPORTS



LOW FUEL INDICATION

SERVICE REMINDER



VEHICLE USAGE REPORT

VEHICLE LOCATION HISTORY

