

mahindra
CONSTRUCTION
EQUIPMENT

POWERFUL PERFORMANCE, UNMATCHED FUEL EFFICIENCY.

EARTHMASTER SX | SXE | VX



Give a Missed Call Today
73037 01222



ENGINE	SX / VX		SXE
Make	Mahindra		
Engine Model	NEF3508		
Emission compliant	CEV V		
Engine Displacement (L)	3.5		
Engine Air Intake Type	Turbo charged Intercooled	Naturally Aspirated	
Engine Gross power @ 1950 rpm	55 kW (74 hp)	41 kW (55 hp)	
Engine Maximum Torque (Nm)	400 Nm@ 1100-1200 rpm	217 Nm @ 1400 - 1500 rpm	
LOADER GENERAL DIMENSIONS (WITH STD, IT TYRES)			
M - Dump height (m)	2.712		
N - Load over height (m)	3.267		
O - Pin height (m)	3.475		
P - Pin forward reach (m)	0.236		
Q - Reach at ground (m)	1.368		
R - Max. reach at full height (m)	1.117		
S - Reach at full height - Bucket dump (m)	0.728		
T - Below ground level-dig depth (m)	0.11		
U - Rollback angle at ground (deg.)	43		
V - Dump angle (deg.)	44		
Bucket capacity std. (m3)	1.1		
Bucket breakout force (kgf)	6243		
Loader arm breakout force (kgf)	5594		
Max. Pay load (kg)	1800		
Lift capacity (kg) @ max height	3428		
BACKHOE GENERAL DIMENSIONS			
A Max. dig depth (m)	4.950	4.749	
C - Reach at ground level to slew center (m)	5.700	5.513	
B Reach at ground level to rear wheel center (m)	7.038	6.850	
D - Reach at full height to slew center (m)	2.980	2.863	
F - Max. working height (m)	5.828	5.669	
G - Max. load over height (m)	4.165	3.890	
Bucket capacity (m3)	0.27	0.27	
Bucket tearout force (kgf)	5592	5672	
Dipper tear out force (kgf)	3182	2997	
Lift capacity to bucket pivot at full reach w/o bucket (kg)	1449	1403	
Lift capacity to bucket pivot at full reach with bucket (kg)	1180	1134	
OVERALL DIMENSIONS AND WEIGHTS			
Max Operating Weight (Kg)	7610	7509	
AM - Overall width (m)	2.500	2.470	
AJ - Width over bucket (m)	2.404		
Track width- Rear (m)	1.722		
Track width- Front (m)	2WD - 1.914 4WD - 1.920	1.914	
AB- Wheelbase (m)	2.176	2.200	
AC - Minimum Ground clearance (m)	0.290	0.290	
AE -Height to top of cabin	2.950		
AF- Overall height (m)	3.620	3.590	
HYDRAULIC SYSTEM			
System type	Open system		
Pump type	Fixed displacement - Gear Pump		
Pump Flow at Maximum RPM (lpm)	112 lpm @ 2150 rpm	105 lpm @ 2150 rpm	
Maximum working pressure (bar)	250	210A	

SERVICE CAPACITIES		
Engine oil (L) - System	13.7	
Rear Axle (L)	17.1	
Hydraulic oil (L) - System	102	
Hydraulic oil (L) - Replacement/Interval*	50/3000 hr.	
Transmission Oil Capacity (L) - System	2WD - 19.2 4WD - 22	19.2
Fuel tank (L)	140	
Coolant (L)	17	
POWER TRAIN		
Transmission type	4F-4R Synchro Shuttle Transmission	4F-4R Synchro Shuttle Transmission
Transmission Make and Model	CARRARO TLB1 2WD/4WD	CARRARO TLB1 2WD
AXLE		
Rear	CARRARO	
Front	Mahindra - 2WD CARRARO - 4WD	Mahindra - 2WD
Front Axle Oscillation	±16 degree (2WD/4WD)	±16 degree
STEERING		
Type	Hydraulic Power Steering with dedicated pump	
Steering max working pressure specification (measurement on pump) Bar @ rpm	150 ± 10 bar @ 1950 rpm	
Steering Unit Displacement (cc/rev)	160	
Turning diameter outside bucket (Max. clearance circle diameter) (m)	10.66	11.00
Turning diameter outside wheels (Min. turning circle diameter) (m)	7.58	8.60
BRAKES		
Service	Foot operated hydraulically actuated oil immerssed, 3 disc wet brakes on rear axle	
Parking	Hand operated,mechanically actuated caliper type brake system integral with axle	
TYRE		
Rear - (Optional) Heavy Duty	14 x 25 - 12 PR	
Rear - (Standard) Industrial	16.9 X 28, 12 PR	
Tyre Front	2WD - 9 X 16 - 16 PR 4WD - 12.5 X 18, 12 PR	9 X 16 , 16PR
ELECTRICAL SYSTEM		
Battery	12 volts, 100 Ah	
TRAVEL SPEED		
Forward (1st/2nd/3rd/4th) (km/hr)	5.5 / 8.5 / 18.5 /33	5 / 7.5 / 16 / 30.5
Reverse (1st/2nd/3rd/4th) (km/hr)	5.5 / 8.5 / NR	5 / 7.5 / NR
OPTIONAL EQUIPMENT		
Backhoe Bucket (m3)	0.18, 0.30	
Tyre	Heavy Duty 14x25-20 PR	
Rock Breaker Kit	Yes	
High Dump Bucket	Yes	NA
Joystick Lever	Yes (VX model only)	NA
6 in 1 Bucket available (BDB)	Yes	
Extra Backhoe auxiliary valve	Yes	

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. All dimensions are variable within +/-5%. For further details on warranty, please visit your nearest dealer.

DEALER NAME

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