Technical sheet:

MBL-X 900 90KL ST3

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL X 900 is powered by Tier -II/III engine. The structure of MBL X 900 is durable and designed for intensive operations. It comes with the latest cabin design and unbreakable bonnet which promises to deliver higher up-time and require low maintenance, even after prolonged usage. Customers get quick returns on their investments on top of an optimum Total Cost of Ownership. It comes with an option of features such as AC, multipurpose bucket.





	MBL-X 900 90KL ST3 Created on August 12, 2025 at 4:21 PM
Capacities	Metric
Wheelbase 2 wheels drive	2185 mm
Wheelbase 4 wheels drive	2130 mm
Weight and dimensions	
Jnladen weight	7730 kg
Jnladen weight with 4 WD	7730 kg
Jnladen weight with 4 WD 7 in 1	8018 kg
Inladen weight 4WD - Center mount	7455 kg
Jnladen weight 4WD - Side shift	7730 kg
Overall length	l1 7330 mm
Overall width	b1 2330 mm
Overall width with stabilizers extended - Center mount only	3910 mm
Cabin height	h6 2830 mm
Height of cab with air conditioning (option)	h6** 2860 mm
Overall height	h17 3790 mm
External turning radius over tyres (braked)	Wa1 3850 mm
External turning radius over tyres (unbraked)	Wa1 4200 mm
external turning radius over tyres (unblaced)	Wa5 5550 mm
External turning radius over bucket (plaked)	Wa5 5700 mm
Standard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-12PR
Optional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 PR
Reach at travelling	c2 2098 mm
Rear axle center to slew center	c3 1293 mm
Departure angle	a2 20 °
Angle of Approach	a3 66 °
Ground clearance	m4 280 mm
Performances	
Fravel speed forward 1st / 2nd	5.40 km/h / 8.60 km/h
Travel speed forward 3rd / 4th	19.90 km/h / 40 km/h
Engine	
Engine brand	Kirloskar
Engine model	4R1040TA1 Turbo Charged Water Cooled BS
Displacement	4.15
Gross Power / Power	67.12 kW @ 2200 rpm
Max. torque	350 Nm
Battery voltage / capacity	12 V / 65 Ah
Transmission	
ransmission brand	Саптаго
Number of gears (forward / reverse)	4 / 4
orque converter stall ratio	2.64:1
Service brake	Wet disc brakes
lydraulics	
lydraulic flow	142 l/min
Main relief pressure	225 bar
Tank capacities	
lydraulic oil	90
iquid cooling tank volume	161
uel tank	145 l
ransmission oil	17.50 I
ingine oil	9.10
Dil rear axle	17.50 l
Bucket Comments of the Comment	
lackhoe standard capacity	0.24 m³
Vidth backhoe bucket	892 mm
oader standard capacity	1 m³
Nidth loader bucket	2235 mm
Miscellaneous	
Power steering	Yes
Front steer axle of oscillation 2WD	20 °
Front steer axle of oscillation 4WD	16 °
	2/2

Performance backhoe

p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic lift capacity (kg)	

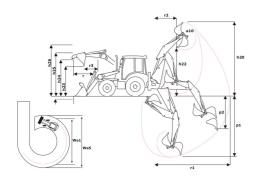
Standard dipper		
4741		
5730		
1996		
5626		
3871		
2602		
194		
1198		
4336		
5810		
1460		

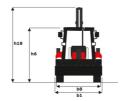
Performance loader

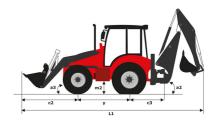
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms breakout (kgF)	
Lifting capacity at full height (kg)	

Standard shovel		
51		
4230		
2780		
3310		
3570		
710		
156		
45		
5229		
5312		
3819		
3819		

MBL-X 900 90KL ST3 - Dimensional drawing











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