Technical sheet:

MBL-X 900 90KL 5T3

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 October 26, 2025 at 10:49	AM I	
Capacities	Metric		
Vheelbase 2 wheels drive	2185 mm		
Vheelbase 4 wheels drive	2130 mm		
Veight and dimensions			
Inladen weight	7730 kg		
Inladen weight with 4 WD	7730 kg		
Inladen weight with 4 WD 7 in 1	8018 kg		
Inladen weight 4WD - Center mount	7455 kg		
Inladen weight 4WD - Side shift	7730 kg		
overall length	I1 7330 mm		
Dverall width	b1 2330 mm		
Overall width with stabilizers extended - Center mount only	3910 mm		
Cabin height	h6 2830 mm		
leight 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 (unbraked)	Wa5 5550 mm		
xternal turning radius over bucket (blaked)	Wa5 5700 mm		
standard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-12PR		
Optional tires (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 PR		
leach at travelling	c2 2098 mm		
lear axle center to slew center	c3 1293 mm		
eparture angle	a2 20 °		
angle of Approach	a3 66 °		
Fround clearance	m4 280 mm		
Performances	5401 // /0601 //		
ravel speed forward 1st / 2nd	5.40 km/h / 8.60 km/h		
ravel speed forward 3rd / 4th	19.90 km/h / 40 km/h		
ingine			
ingine brand	Kirloskar		
ingine model	4R1040TA1 Turbo Charged Water Cooled	a BSI	
Displacement	4.151		
Engine power (kW) / Gross Power		67.12 kW @ 2200 rpm	
Max. torque		350 Nm	
Battery voltage / capacity	12 V / 65 Ah		
Transmission			
ransmission brand		Саптаго	
lumber of gears (forward / reverse)		4 / 4	
orque converter stall ratio		2.64:1	
Service brake	Wet disc brakes	Wet disc brakes	
tydraulics			
lydraulic flow		142 l/min	
Main relief pressure	225 bar		
ank capacities			
lydraulic oil	90		
iquid cooling tank volume	161	16 I	
uel tank	145	145 l	
ransmission oil	17.50		
ingine oil	9.10	9.10 l	
il rear axle	17.50		
ucket			
lackhoe standard capacity	0.24 m³		
Vidth backhoe bucket	892 mm		
oader standard capacity	1 m³		
Vidth loader bucket	2235 mm		
Miscellaneous			
Power steering	Yes		
Front steer axle of oscillation 2WD	20 °		
Front steer axle of oscillation 4WD	16°		
Steering wheels (front / rear)	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)	

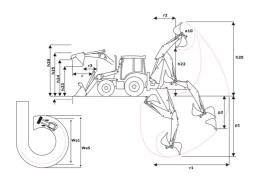
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

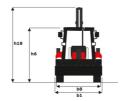
Performance loader

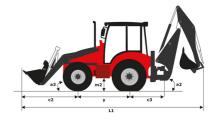
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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

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

MBL-X 900 90KL ST3 - Dimensional drawing











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