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 11, 2025 at 6:05 AM UTC

Capacities	Metric		
Nheelbase 2 wheels drive	2185 mm		
Nheelbase 4 wheels drive	2130 mm		
Neight and dimensions			
Inladen weight	7730 kg		
nladen weight with 4 WD	7730 kg		
nladen weight with 4 WD 7 in 1	8018 kg		
Inladen weight 4WD - Center mount	7455 kg		
Inladen weight 4WD - Side shift	7730 kg		
Iverall length	l1 7330 mm		
Iverall width	b1 2330 mm		
verall width with stabilizers extended - Center mount only	3910 mm		
abin height	h6 2830 mm		
leight of cab with air conditioning (option)	h6** 2860 mm		
verall height	h17 3790 mm		
xternal turning radius over tyres (braked)	Wa1 3850 mm		
xternal turning radius over tyres (unbraked)	Wa1 4200 mm		
xternal turning radius over bucket (braked)	Wa5 5550 mm		
xternal turning radius over bucket (unbraked)	Wa5 5700 mm		
tandard tires front / rear	12.5 x 18 - 12 PR / 16.9	x 28-12PR	
ptional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25		
Reach at travelling	c2 2098 mm		
each at takening	c3 1293 mm		
leparture angle	a2 20 °		
ngle of Approach	a3 66 °		
iround clearance	m4 280 mm		
erformances			
ravel speed forward 1st / 2nd	5.40 km/h / 8.60 k	m/h	
ravel speed forward 3rd / 4th	19.90 km/h / 40 ki		
ingine			
ngine brand	Kirloskar		
-	4R1040TA1 Turbo Charged Wa	star Coolad PSIII	
ngine model isplacement	4K10401A1 1000 Charged wa	itel Cooled Ball	
iross Power / Power			
	67.12 kW @ 2200	rpm	
Aax. torque	350 Nm		
lattery voltage / capacity	12 V / 65 Ah		
ransmission		j	
ransmission brand	Carraro		
umber of gears (forward / reverse)	4/4		
orque converter stall ratio	2.64:1		
ervice brake	Wet disc brakes	5	
lydraulies		1	
lydraulic flow	142 l/min		
lain relief pressure	225 bar		
ank capacities			
ydraulic oil	90 I		
iquid cooling tank volume	16 I		
uel tank	145 I		
ransmission oil	17.50 l		
ngine oil	9.10 l		
il rear axle	17.50		
ucket			
ackhoe standard capacity	0.24 m³		
/idth backhoe bucket	892 mm		
oader standard capacity	1 m³		
Vidth loader bucket	2235 mm		
liscellaneous			
Power steering	Yes		
oner oteening		20 °	
Front steer axle of oscillation 2WD	20 °		

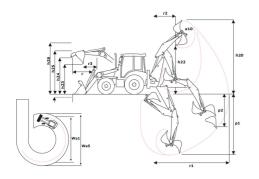
Performance backhoe

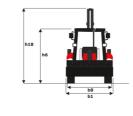
	Standard
p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
Total side shift (mm)	1198
Dipper tearout (kgF)	4336
Bucket tearout (kgF)	5810
Hydraulic lift capacity (kg)	1460

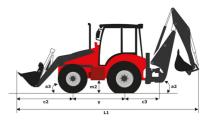
Performance loader

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)

MBL-X 900 90KL ST3 - Dimensional drawing











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