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.





Capacities		Metric
Vheelbase 2 wheels drive		2185 mm
Wheelbase 4 wheels drive		2130 mm
Veight and dimensions		2100 11111
Jnladen 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
Jnladen weight 4WD - Side shift	11	7730 kg
Overall length		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
xtemal tuming radius over bucket (braked)	Wa5	5550 mm
external turning radius over bucket (unbraked)	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
Fravel speed forward 3rd / 4th		19.90 km/h / 40 km/h
Engine		
Engine brand		Kirloskar
Engine model	4R1	040TA1 Turbo Charged Water Cooled BSII
Displacement		4.15
Gross Power / Power		67.12 kW @ 2200 rpm
Max. torque		350 Nm
Battery voltage / capacity		12 V / 65 Ah
Transmission		.2.17 007
Fransmission brand		Саггаго
Number of gears (forward / reverse)		4 / 4
Forque converter stall ratio		2.64:1
Service brake		Wet disc brakes
-lydraulics		Wet disc blakes
Hydraulic flow		142 l/min
Main relief pressure		225 bar
Fank capacities		ZZ3 Ddi
		90
Hydraulic oil		
iquid cooling tank volume		16
Fuel tank		145
Fransmission oil		17.50 l
Engine oil		9.10
iil rear axle		17.50 l
Bucket		
Packhoe 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 °
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)	

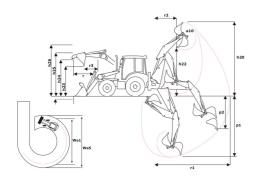
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

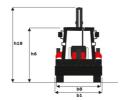
## Performance loader

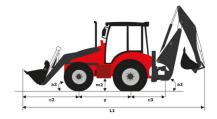
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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