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 May 3, 2024 at 1:33:11 A
Capacities	Metric
Vheelbase 2 wheels drive	2185 mm
Wheelbase 4 wheels drive	2130 mm
Veight and dimensions	
Inladen weight	7730 kg
nladen 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
verall 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
xternal turning radius over tyres (braked)	Wa1 3850 mm
external turning radius over tyres (unbraked)	Wa1 4200 mm
xternal turning 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
teach at travelling	c2 2098 mm
lear axle center to slew center	c3 1293 mm
Departure angle	a2 20 °
ingle of Approach	a3 66°
Ground clearance	m4 280 mm
Performances	
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	1999 Kiliji i ji kiliji
ingine brand	Kirloskar
ingine model	4R1040TA1 Turbo Charged Water Cooled
Max. capacity	4.15
Gross Power / Power	67.12 kW @ 2200 rpm
Max. torque	350 Nm
Battery voltage / capacity	12 V / 65 Ah
ransmission	12 7 7 60 7(11
ransmission brand	Сапаго
lumber of gears (forward / reverse)	4 / 4
orque converter stall ratio	2.64:1
ervice brake	Wet disc brakes
lydraulics	Wet uise plakes
lydraulic flow	142 l/min
Main relief pressure	225 bar
Tank capacities	223 001
lydraulic oil	90 1
iquid cooling tank volume	161
uel tank	145
ransmission oil	17.50
ingine oil	9.10
ngine oii Dil rear axle	9.101
ucket	17.501
	0.24 = 2
ackhoe standard capacity	0.24 m³
Vidth backhoe bucket	892 mm
oader standard capacity	1 m³
Vidth loader bucket	2235 mm
Miscellaneous	W.
Power steering	Yes
Front steer axle of oscillation 2WD Front steer axle of oscillation 4WD	20 ° 16 °
	16 °

### 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)

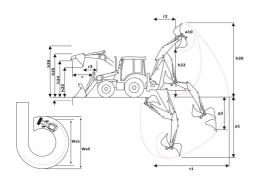
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

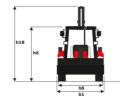
## Performance loader

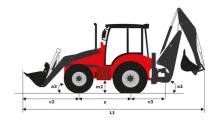
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r - Max reach at full height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground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

Standard shovel
51
4230
2780
3310
3570
1153
710
156
45
5229
5312
3819

#### MBL-X 900 90KL ST3 - Dimensional drawing











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