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 21, 2024 at 7:28:41	AM l	
Capacities	Metric		
Wheelbase 2 wheels drive	2185 mm		
Wheelbase 4 wheels drive	2130 mm		
Neight and dimensions			
Jnladen weight	7730 kg		
Unladen 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	I1 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 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 Control of the			
Engine brand	Kirloskar		
Engine model	4R1040TA1 Turbo Charged Water Coole	d BSIII	
Max. capacity	4.151		
Gross Power / Power	67.12 kW @ 2200 rpm	67.12 kW @ 2200 rpm	
Max. torque	350 Nm		
Battery voltage / capacity	12 V / 65 Ah		
Fransmission			
Fransmission brand	Сапаго	Саптаго	
Number of gears (forward / reverse)	4 / 4		
Forque converter stall ratio	2.64:1		
Service brake	Wet disc brakes		
-lydraulics			
Hydraulic flow	142 l/min		
Main relief pressure	225 bar		
Tank capacities			
lydraulic oil	901		
Liquid cooling tank volume	161		
Fuel tank	145 I		
ransmission oil	17.50 I		
Engine oil	9.101		
Dil rear axle	17.50 I		
Bucket	17.001		
Backhoe standard capacity	0.24 m³		
Vidth backhoe bucket	892 mm		
oader standard capacity	1 m <sup>3</sup>		
Vidth loader bucket	2235 mm		
Middinioader bucket	2235		
	Yes		
Power steering Front steer axle of oscillation 2WD	Yes 20 °		
Front steer axle of oscillation 2WD	20 16 °		
TOTAL SIGNIFICATION OF THE PROPERTY OF THE PRO	10		

## 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)	

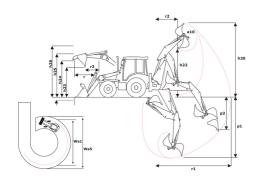
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

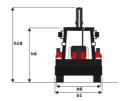
## Performance loader

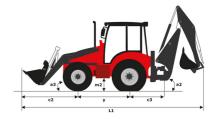
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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











#### **Head Office**

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