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.





	<b>MBL-X 900 90KL ST3</b> Created on May 21, 2024 at 6:29:35 A
Capacities	Metric
Wheelbase 2 wheels drive	2185 mm
Wheelbase 4 wheels drive	2130 mm
Weight and dimensions	
Jnladen weight	7730 kg
Jnladen weight with 4 WD	7730 kg
Jnladen weight with 4 WD 7 in 1	8018 kg
Jnladen weight 4WD - Center mount	7455 kg
Jnladen weight 4WD - Side shift	7730 kg
Overall length	l1 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 tyres (unblaked)	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
Travel speed forward 3rd / 4th	19.90 km/h / 40 km/h
Engine 	W1.1
Engine brand	Kirloskar
Engine model	4R1040TA1 Turbo Charged Water Cooled
Max. capacity	4.151
Gross Power / Power	67.12 kW @ 2200 rpm
Max. torque	350 Nm
Battery voltage / capacity	12 V / 65 Ah
Transmission	
Fransmission brand	Сапаго
Number of gears (forward / reverse)	4 / 4
Forque converter stall ratio	2.64:1
Service brake	Wet disc brakes
- Hydraulics	
Hydraulic flow	142 l/min
Main relief pressure	225 bar
Tank capacities	
Hydraulic oil	90 I
iquid cooling tank volume	161
uel tank	145
ransmission oil	17.50 I
Engine oil	9.10
)il rear axle	17.50 l
Bucket Commence of the Commenc	
Backhoe 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 °

#### 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)	

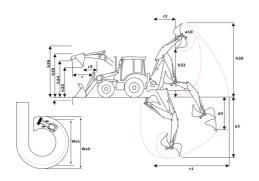
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

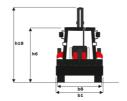
## Performance loader

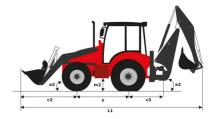
Max dump angle (°)
h26 - Max operating height (loader version) (mm)
h23 - Max dump height at 45° (mm)
h24 - Max loadover height (mm)
h25 - Max hinge pin height (mm)
r3 - Max reach at full height 45° (mm)
p3 - Below ground dig depth (mm)
a13 - Rollback at ground (°)
Shovel breakout (kgf)
Arms breakout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

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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