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 17, 2024 at 8:00:31 AM UTC

Capacities	Metric
Nheelbase 2 wheels drive	2185 mm
Vheelbase 4 wheels drive	2130 mm
Veight and dimensions	
nladen weight	7730 kg
nladen weight with 4 WD	7730 kg
nladen weight with 4 WD 7 in 1	8018 kg
nladen weight 4WD - Center mount	7455 kg
nladen weight 4WD - Side shift	7730 kg
verall length	l1 7330 mm
verall width	b1 2330 mm
verall width with stabilizers extended - Center mount only	3910 mm
abin height	h6 2830 mm
eight 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
kternal turning radius over bucket (braked)	Wa5 5550 mm
kternal turning radius over bucket (unbraked)	Wa5 5700 mm
andard 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 - 20 PR
puonai tyre (tront / rear) each at travelling	c2 2098 mm
-	c2 2098 mm
ear axle center to slew center	
eparture angle	
ngle of Approach	
round clearance	m4 280 mm
erformances	<b>5 40</b> km/h 40 60 km/h
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
ngine	
ngine brand	Kirloskar
ngine model	4R1040TA1 Turbo Charged Water Cooled B
lax. capacity	4.151
ross Power / Power	67.12 kW @ 2200 rpm
fax. torque	350 Nm
attery voltage / capacity	12 V / 65 Ah
ransmission	
ransmission brand	Carraro
umber of gears (forward / reverse)	4 / 4
orque converter stall ratio	2.64:1
ervice brake	Wet disc brakes
ydraulics	
ydraulic flow	142 l/min
lain relief pressure	225 bar
ank capacities	
ydraulic oil	90
iquid cooling tank volume	16
uel tank	145 I
ransmission oil	17.50 l
ngine oil	9.10
il rear axle	17.50 l
ucket	
ackhoe standard capacity	0.24 m³
lidth backhoe bucket	892 mm
oader standard capacity	1 m <sup>3</sup>
/idth loader bucket	2235 mm
liscellaneous	
ower steering	Yes
ront steer axle of oscillation 2WD	20 °
ront steer axle of oscillation 4WD	16 °
Steering wheels (front / rear)	2/2

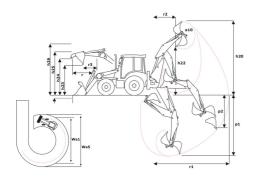
### Performance backhoe

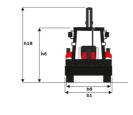
	Standard dipper
p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
Total side shift (mm)	1198
Dipper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

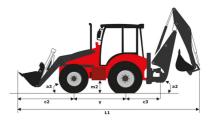
## Performance loader

	Standard shovel
Max dump angle (°)	51
h26 - Max operating height (loader version) (mm)	4230
h23 - Max dump height at 45° (mm)	2780
h24 - Max loadover height (mm)	3310
h25 - Max hinge pin height (mm)	3570
r3 - Max reach at full height 45° (mm)	710
p3 - Below ground dig depth (mm)	156
a13 - Rollback at ground (°)	45
Shovel breakout (kgf)	5229
Arms breakout (kgF)	5312
Lifting capacity at full height (kg)	3819

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









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