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
/heelbase 2 wheels drive		2185 mm
/heelbase 4 wheels drive		2130 mm
/eight and dimensions		2130 11111
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	14	7730 kg
Iverall length	l1	7330 mm
verall width	b1	2330 mm
verall width with stabilizers extended - Center mount only	L	3910 mm
abin height	h6	2830 mm
leight 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
xternal turning radius over bucket (braked)	Wa5	5550 mm
xternal turning radius over bucket (unbraked)	Wa5	5700 mm
tandard 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
each at travelling	c2	2098 mm
ear axle center to slew center	c3	1293 mm
eparture angle	a2	20 °
ngle of Approach	a3	66 °
round 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 Company of the		
ingine brand		Kirloskar
ingine model		4R1040TA1 Turbo Charged Water Cooled BSIII
isplacement		4.15 l
Gross Power / Power		67.12 kW @ 2200 rpm
Max. torque		350 Nm
Pattery voltage / capacity		12 V / 65 Ah
ransmission		
ransmission brand		Саггаго
lumber of gears (forward / reverse)		4 / 4
orque converter stall ratio		2.64:1
ervice brake		Wet disc brakes
lydraulics		
lydraulic flow		142 l/min
Main relief pressure		225 bar
ank capacities		
lydraulic oil		90 I
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
/idth backhoe bucket		892 mm
oader standard capacity		1 m³
vidth loader bucket		2235 mm
Aiscellaneous		2233 11111
		Voo
ower steering		Yes
ront steer axle of oscillation 2WD		20 °
ront steer axle of oscillation 4WD		16° 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)

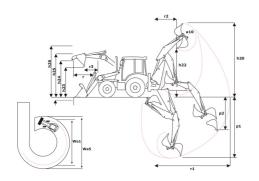
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

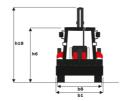
## Performance loader

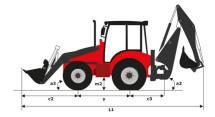
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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











#### **Head Office**

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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