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 17 May 2024 at 17:4	:0:24 l
Capacities	Metric	
Vheelbase 2 wheels drive	2185 mm	
Wheelbase 4 wheels drive	2130 mm	
Veight and dimensions		
Inladen weight	7730 kg	
Inladen weight with 4 WD	7730 kg	
Inladen weight with 4 WD 7 in 1	8018 kg	
nladen weight 4WD - Center mount	7455 kg	
Inladen weight 4WD - Side shift	7730 kg	
Overall length	l1 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	
external turning radius over tyres (braked)	Wa1 3850 mm	
xternal turning radius over tyres (unbraked)	Wa1 4200 mm	
xtemal turning radius over bucket (braked)	Wa5 5550 mm	
xternal turning radius over bucket (unbraked)	Wa5 5700 mm	
standard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-12PF	'R
Optional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 PR	
each at travelling	c2 2098 mm	
lear axle center to slew center	c3 1293 mm	
eparture angle	a2 20 °	
ingle 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	
Engine		
ingine brand	Kirloskar	
ingine model	4R1040TA1 Turbo Charged Water Coole	ed BSIII
Max. capacity	4.15	
Gross Power / Power	67.12 kW @ 2200 rpm	
Max. torque	350 Nm	
Battery voltage / capacity	12 V / 65 Ah	
ransmission		
ransmission brand	Сапаго	
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	901	
iquid cooling tank volume	161	
uel tank	145 I	
ransmission oil	17.50 I	
ingine oil	9.10	
il rear axle	17.50 I	
ucket		
ackhoe standard capacity	0.24 m³	
/idth backhoe bucket	892 mm	
oader standard capacity	1 m³	
Vidth loader bucket	2235 mm	
Aiscellaneous		
ower steering	Yes	
ront steer axle of oscillation 2WD	20 °	
	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)

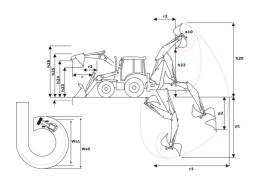
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

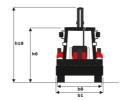
Performance loader

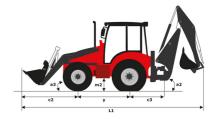
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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

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

MBL-X 900 90KL ST3 - Dimensional drawing











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