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		
Vheelbase 2 wheels drive	2185 mr		
Vheelbase 4 wheels drive	2130 mr		
Veight and dimensions	2130 1111	"	
Inladen weight	7730 kg		
Inladen weight with 4 WD	7730 kg		
•			
Inladen weight with 4 WD 7 in 1	8018 kg		
Inladen weight 4WD - Center mount	7455 kg		
Inladen weight 4WD - Side shift	7730 kg		
Overall length	I1 7330 mr		
Overall width	b1 2330 mr		
Overall width with stabilizers extended - Center mount only	3910 mr		
Cabin height	h6 2830 mr		
leight of cab with air conditioning (option)	h6*** 2860 mr		
Overall height	h17 3790 mr		
external turning radius over tyres (braked)	Wa1 3850 mr		
xternal turning radius over tyres (unbraked)	Wa1 4200 mr	n	
xternal turning radius over bucket (braked)	Wa5 5550 mr	n	
xternal turning radius over bucket (unbraked)	Wa5 5700 mr	n	
standard tires front / rear	12.5 x 18 - 12 PR / 1	6.9 x 28-12PR	
Optional tyre (front / rear)	9 x 16 - 16 PR / 14	x 25 - 20 PR	
Reach at travelling	c2 2098 mr	n	
Rear axle center to slew center	c3 1293 mr	n	
Departure angle	a2 20°		
Angle of Approach	a3 66 °		
Ground clearance	m4 280 mm	n	
Performances			
Fravel speed forward 1st / 2nd	5.40 km/h / 8.0	60 km/h	
Fravel speed forward 3rd / 4th	19.90 km/h / 4	10 km/h	
Engine			
Engine brand	Kirloska	ar	
Engine model	4R1040TA1 Turbo Chargeo		
Max. capacity	4.151		
Gross Power / Power		67.12 kW @ 2200 rpm	
Max. torque		350 Nm	
Battery voltage / capacity		12 V / 65 Ah	
Fransmission	12 17 00	7411	
Fransmission brand	Саптаго		
Number of gears (forward / reverse)	4 / 4		
Forque converter stall ratio			
Service brake		2.64:1 Wet disc brakes	
	wet disc bi	3KES	
Hydraulics	140 l/m		
Hydraulic flow	142 l/mi		
Main relief pressure	225 ba	í	
Fank capacities			
Hydraulic oil	901		
iquid cooling tank volume	161		
Fuel tank	1451		
Fransmission oil	17.50		
Engine oil	9.101		
)il rear axle	17.50 I		
ucket			
Backhoe standard capacity	0.24 m		
Nidth backhoe bucket	892 mm	892 mm	
oader standard capacity	1 m³		
Vidth loader bucket	2235 mr	n	
Miscellaneous			
Power steering	Yes		
Front steer axle of oscillation 2WD	20 °		
Front steer axle of oscillation 4WD	16 °		
Steering wheels (front / rear)	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)

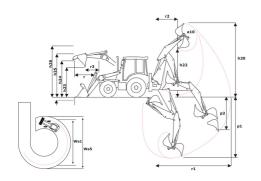
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

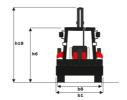
Performance loader

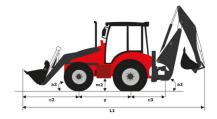
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms breakout (kgF)	
Lifting capacity at full height (kg)	
3 . , 3 . 3,	

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

MBL-X 900 90KL ST3 - Dimensional drawing











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