Technical sheet:

MBL-X 900 90KL 5T3

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 mm	
Wheelbase 4 wheels drive		2130 mm	
Veight and dimensions		2100 mm	
Jnladen 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		7455 kg 7730 kg	
Overall length	11	7/30 kg	
Overall width	b1		
	UI	2330 mm 3910 mm	
Overall width with stabilizers extended - Center mount only	L¢.		
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 bucket (braked)	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	с3	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			
Engine brand		Kirloskar	
Engine model		4R1040TA1 Turbo Charged Water Cooled BSIII	
Displacement		4.15 l	
Gross Power / Power		67.12 kW @ 2200 rpm	
Max. torque		350 Nm	
Battery voltage / capacity		12 V / 65 Ah	
Transmission			
Fransmission brand		Саггаго	
Number of gears (forward / reverse)		4 / 4	
Forque converter stall ratio		2.64:1	
Service brake		Wet disc brakes	
-lydraulics			
Hydraulic flow		142 l/min	
Main relief pressure		225 bar	
Tank capacities			
lydraulic oil		90 I	
iquid cooling tank volume		16 I	
Fuel tank		145	
Transmission oil		17.50 l	
Engine oil		9.10	
Dil rear axle		17.50 I	
Bucket			
Backhoe standard capacity		0.24 m³	
Vidth backhoe bucket		0.24 m ³ 892 mm	
oader standard capacity			
Nidth loader bucket		1 m³	
		2235 mm	
Miscellaneous		V	
Power steering		Yes	
Front steer axle of oscillation 2WD Front steer axle of oscillation 4WD		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)

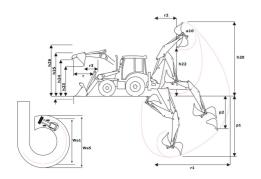
Standard dipper	,
4741	
5730	
1996	
5626	
3871	
2602	
194	
1198	
4336	
5810	
1460	

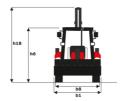
Performance loader

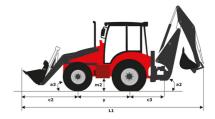
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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