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	
Wheelbase 2 wheels drive	21	85 mm	
Wheelbase 4 wheels drive	21	30 mm	
Weight and dimensions			
Inladen weight	7	730 kg	
Inladen weight with 4 WD	7	730 kg	
Inladen weight with 4 WD 7 in 1	8	018 kg	
Inladen weight 4WD - Center mount	7.	455 kg	
Inladen weight 4WD - Side shift	7	730 kg	
Overall length		30 mm	
Overall width	b1 23	30 mm	
Overall width with stabilizers extended - Center mount only		110 mm	
Cabin height	h6 28	30 mm	
leight of cab with air conditioning (option)		60 mm	
Overall height		'90 mm	
External turning radius over tyres (braked)		50 mm	
external turning radius over tyres (unbraked)		100 mm	
external turning radius over bucket (braked)		50 mm	
External turning radius over bucket (urbraked)		'00 mm	
Standard tires front / rear		PR / 16.9 x 28-12PR	
Optional tyre (front / rear)		R / 14 x 25 - 20 PR	
Reach at travelling		198 mm	
-		193 mm	
Rear axle center to slew center		20 °	
Departure angle		66 °	
Angle of Approach			
Ground clearance	m4 2	80 mm	
Performances	5.404		
Fravel speed forward 1st / 2nd		h / 8.60 km/h	
Travel speed forward 3rd / 4th	19.90 km	n/h / 40 km/h	
Engine			
Engine brand		rloskar	
Engine model		4R1040TA1 Turbo Charged Water Cooled BSIII	
Max. capacity		4.15 l	
Gross Power / Power		67.12 kW @ 2200 rpm	
Max. torque		350 Nm	
Battery voltage / capacity	12 \	/ / 65 Ah	
Transmission			
Fransmission brand		Carraro	
Number of gears (forward / reverse)		4 / 4	
Forque converter stall ratio		2.64:1	
Service brake	Wet d	isc brakes	
-lydraulics			
lydraulic flow	14	2 I/min	
Main relief pressure	2	25 bar	
Fank capacities			
łydraulic oil		90 I	
iquid cooling tank volume		16 I	
uel tank		145 I	
ransmission oil	1	7.50 I	
ingine oil		9.10 l	
Dil rear axle	1	7.50 I	
Bucket			
ackhoe standard capacity	0	.24 m³	
Vidth backhoe bucket		92 mm	
oader standard capacity		1 m ³	
Vidth loader bucket		2235 mm	
Miscellaneous			
Power steering		Yes	
ront steer axle of oscillation 2WD		20 °	
		16 °	
Front steer axle of oscillation 4WD		10	

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)

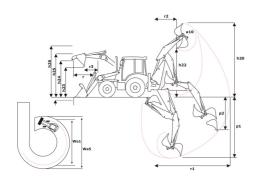
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

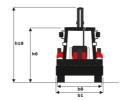
Performance loader

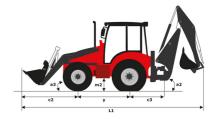
Max dump angle (°)
h26 - Max operating height (loader version) (mm)
h23 - Max dump height at 45° (mm)
h24 - Max loadover height (mm)
h25 - Max hinge pin height (mm)
r3 - Max reach at full height 45° (mm)
p3 - Below ground dig depth (mm)
a13 - Rollback at ground (°)
Shovel breakout (kgf)
Arms breakout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