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	2185 mm		
Wheelbase 4 wheels drive	2130 mm		
Weight and dimensions			
Unladen weight	7730 kg		
Jnladen weight with 4 WD	7730 kg		
Jnladen weight with 4 WD 7 in 1	8018 kg		
Unladen weight 4WD - Center mount	7455 kg		
Unladen weight 4WD - Side shift	7730 kg		
Overall length	l1 7330 mm		
Overall width	b1 2330 mm		
Overall width with stabilizers extended - Center mount only	3910 mm		
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		
	Wa1 3630 Hilli Wa1 4200 mm		
External turning radius over tyres (unbraked)			
External turning radius over bucket (braked)	Wa5 5550 mm		
External tuming radius over bucket (unbraked)	Wa5 5700 mm	2DD	
Standard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-1		
Optional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 l	ዠ	
Reach at travelling	c2 2098 mm		
Rear axle center to slew center	c3 1293 mm		
Departure angle	a2 20 °		
Angle of Approach	a3 66 °		
Ground clearance	m4 280 mm		
Performances			
Travel 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 Co	4R1040TA1 Turbo Charged Water Cooled BSIII	
Max. capacity	4.15	4.15 l	
Gross Power / Power	67.12 kW @ 2200 rpm	67.12 kW @ 2200 rpm	
Max. torque	350 Nm	350 Nm	
Battery voltage / capacity	12 V / 65 Ah	12 V / 65 Ah	
Transmission			
Transmission brand	Саптаго	Саггаго	
Number of gears (forward / reverse)	4 / 4		
Torque converter stall ratio	2.64:1	2.64:1	
Service brake	Wet disc brakes	Wet disc brakes	
Hydraulics			
Hydraulic flow	142 l/min	142 l/min	
Main relief pressure	225 bar		
Tank capacities			
Hydraulic oil	901		
Liquid cooling tank volume	161		
Fuel tank	1451		
Transmission oil	17.50 I		
Engine oil	9.10		
Dil rear axle	17.50 l		
Bucket			
Backhoe standard capacity	0.24 m³		
Width backhoe bucket	892 mm		
Loader standard capacity	1 m ³		
Width loader bucket	2235 mm		
Miscellaneous	2235 mm		
Power steering	Yes		
Front steer axle of oscillation 2WD	20 °		
Front steer axle of oscillation 4WD	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)

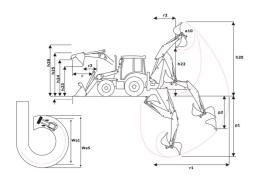
Standard dipper
4741
5730
1996
5626
3871
2602
194
1198
4336
5810
1460

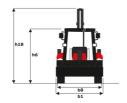
Performance loader

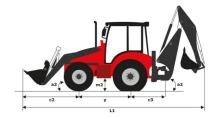
Max dump angle (°)	
h26 - Max operating height (loader version) (mm)	
h23 - Max dump height at 45° (mm)	
h24 - Max loadover height (mm)	
h25 - Max hinge pin height (mm)	
r3 - Max reach at full height 45° (mm)	
p3 - Below ground dig depth (mm)	
a13 - Rollback at ground (°)	
Shovel breakout (kgf)	
Arms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











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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes