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 August 10, 2025 at 9:31 PM UTC

Capacities	Metric	
Wheelbase 2 wheels drive	2185 mm	
Wheelbase 4 wheels drive	2130 mm	
Neight and dimensions		
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	
iverall length	l1 7330 mm	
Iverall width	b1 2330 mm	
verall width with stabilizers extended - Center mount only	3910 mm	
Cabin height		
leight of cab with air conditioning (option)	h6** 2860 mm	
Iverall height	h17 3790 mm	
xternal turning radius over tyres (braked)	Wa1 3850 mm	
xternal turning radius over tyres (unbraked)	Wa1 4200 mm	
xtemal tuming radius over bucket (braked)	Wa5 5550 mm	
xternal turning radius over bucket (unbraked)	Wa5 5700 mm	
tandard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-1	2PR
ptional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20	PR
leach at travelling	c2 2098 mm	
ear axle center to slew center	c3 1293 mm	
leparture angle	a2 20 °	
Angle of Approach	a3 66 °	
Sround clearance	m4 280 mm	
erformances		
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	
Ingine	15.50 Kii/ii / 40 Kii/ii	
	16 de a base	
ngine brand	Kirloskar	
ingine model	4R1040TA1 Turbo Charged Water Co	oled BSIII
isplacement	4.15 I	
cross Power / Power	67.12 kW @ 2200 rpm	
Aax. torque	350 Nm	
Battery voltage / capacity	12 V / 65 Ah	
ransmission		
ransmission brand	Carraro	
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	
Aain relief pressure	225 bar	
ank capacities		
lydraulic oil	901	
iquid cooling tank volume	161	
uel tank	1451	
ransmission oil	17.501	
ngine oil	9.10	
il rear axle	17.50 l	
ucket		
ackhoe standard capacity	0.24 m³	
/idth backhoe bucket	892 mm	
oader standard capacity	1 m ³	
Vidth loader bucket	2235 mm	
<i>A</i> iscellaneous		
Power steering	Yes	
Front steer axle of oscillation 2WD	20 °	
Front steer axle of oscillation 4WD	16 °	
	10	

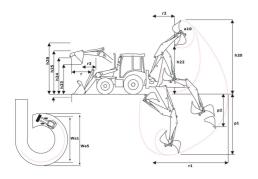
Performance backhoe

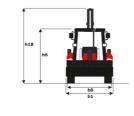
p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic lift capacity (kg)	

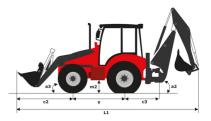
Performance loader

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)

MBL-X 900 90KL ST3 - Dimensional drawing











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