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.





мвь-х 900 90кь стэ Created on May 17, 2024 at 4:41:57 AM UTC

Capacities	Metric
Wheelbase 2 wheels drive	2185 mm
Wheelbase 4 wheels drive	2130 mm
Veight and dimensions	
Inladen weight	7730 kg
nladen weight with 4 WD	7730 kg
nladen weight with 4 WD 7 in 1	8018 kg
nladen weight 4WD - Center mount	7455 kg
nladen weight 4WD - Side shift	7730 kg
verall length	l1 7330 mm
verall width	b1 2330 mm
verall width with stabilizers extended - Center mount only	3910 mm
abin height	h6 2830 mm
leight of cab with air conditioning (option)	h6** 2860 mm
verall height	h17 3790 mm
xternal turning radius over tyres (braked)	Wa1 3850 mm
xternal turning radius over tyres (unbraked)	Wa1 4200 mm
xtemal turning radius over bucket (braked)	Wa5 5550 mm
xtemal turning radius over bucket (unbraked)	Wa5 5700 mm
tandard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-12PR
iptional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 PR
each at travelling	c2 2098 mm
-	c3 1293 mm
ear axle center to slew center	
eparture angle	
ngle of Approach	
round clearance	m4 280 mm
erformances	E 40 km/h / 0.60 km/h
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
ngine	
ngine brand	Kirloskar
ngine model	4R1040TA1 Turbo Charged Water Cooled E
fax. capacity	4.151
ross Power / Power	67.12 kW @ 2200 pm
fax. torque	350 Nm
attery voltage / capacity	12 V / 65 Ah
ransmission	
ransmission brand	Carraro
umber of gears (forward / reverse)	4 / 4
orque converter stall ratio	2.64:1
ervice brake	Wet disc brakes
lydraulics	
lydraulic flow	142 l/min
fain relief pressure	225 bar
ank capacities	
ydraulic oil	90
iquid cooling tank volume	16
uel tank	145 I
ransmission oil	17.50
ngine oil	9.10 I
il rear axle	17.50 I
ucket	
ackhoe standard capacity	0.24 m³
/idth backhoe bucket	892 mm
oader standard capacity	1 m³
Vidth loader bucket	2235 mm
/iscellaneous	
ower steering	Yes
ront steer axle of oscillation 2WD	20 °
ront steer axle of oscillation 4WD	16 °
Steering wheels (front / rear)	2/2

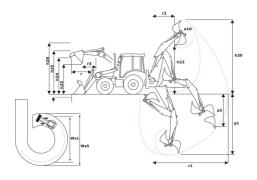
Performance backhoe

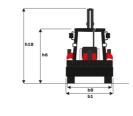
p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic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

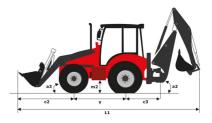
Performance loader

	Standard shovel
Max dump angle (°)	51
h26 - Max operating height (loader version) (mm)	4230
h23 - Max dump height at 45° (mm)	2780
h24 - Max loadover height (mm)	3310
h25 - Max hinge pin height (mm)	3570
r3 - Max reach at full height 45° (mm)	710
p3 - Below ground dig depth (mm)	156
a13 - Rollback at ground (°)	45
Shovel breakout (kgf)	5229
Arms breakout (kgF)	5312
Lifting capacity at full height (kg)	3819

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