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 12, 2025 at 6:30 PM UTC

Capacities	Metric	
Wheelbase 2 wheels drive	2185 mm	
Wheelbase 4 wheels drive	2130 mm	
Neight 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	
Inladen weight 4WD - Side shift	7730 kg	
verall length	l1 7330 mm	
Iverall 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	
xternal turning 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	
Reach at travelling	c2 2098 mm	
ear axle center to slew center	c3 1293 mm	
leparture angle	a2 20 °	
ngle of Approach	a3 66 °	
iround 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	19.20 Kill/II / 40 Kill/II	
ngine brand	Kirloskar	
-	4R1040TA1 Turbo Charged Water Co	olod PCIII
ngine model isplacement	441040141 1000 Charged Water CC	Joleu Balli
iross Power / Power		
	67.12 kW @ 2200 rpm	
fax. torque	350 Nm	
lattery 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	
lain relief pressure	225 bar	
ank capacities		
ydraulic oil	90 I	
iquid cooling tank volume	16 I	
uel tank	145 I	
ransmission oil	17.50 l	
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 m³	
Vidth loader bucket	2235 mm	
<i>A</i> iscellaneous		
Yower steering	Yes	
ront steer axle of oscillation 2WD	20 °	
ront steer axle of oscillation 4WD	16 °	
Steering wheels (front / rear)	2/2	

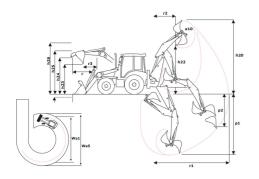
Performance backhoe

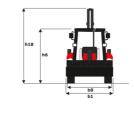
	Standard dipper
p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
iotal side shift (mm)	1198
Dipper tearout (kgF)	4336
Bucket tearout (kgF)	5810
łydraulic lift capacity (kg)	1460

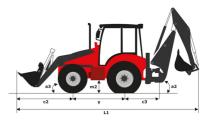
Performance loader

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)

MBL-X 900 90KL ST3 - Dimensional drawing











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