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 September 10, 2025 at 4:11 AM UTC

Capacities		Metric	
Wheelbase 2 wheels drive		2185 mm	
Wheelbase 4 wheels drive		2130 mm	
Neight and dimensions			
Jnladen weight		7730 kg	
Inladen weight with 4 WD		7730 kg	
Inladen 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	11	7330 mm	
Iverall width	b1	2330 mm	
verall width with stabilizers extended - Center mount only		3910 mm	
Cabin height	h6	2830 mm	
leight of cab with air conditioning (option)	h6**	2860 mm	
	h17	3790 mm	
)verall height			
ixternal 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		5 x 18 - 12 PR / 16.9 x 28-12PR	
ptional tyre (front / rear)		x 16 - 16 PR / 14 x 25 - 20 PR	
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			
ravel speed forward 1st / 2nd		5.40 km/h / 8.60 km/h	
Fravel speed forward 3rd / 4th		19.90 km/h / 40 km/h	
Engine			
Engine brand		Kirloskar	
ingine model	4R10401	A1 Turbo Charged Water Cooled BSIII	
lisplacement		4.15	
Sross Power / Power		67.12 kW @ 2200 rpm	
Aax. torque		350 Nm	
Battery voltage / capacity		12 V / 65 Ah	
Fransmission		12 V / 03 All	
Fransmission brand		Carraro	
		4 / 4	
lumber of gears (forward / reverse)		2.64:1	
orque converter stall ratio			
Service brake		Wet disc brakes	
lydraulics			
Hydraulic flow		142 l/min	
Aain relief pressure		225 bar	
ank capacities			
lydraulic oil		90 I	
iquid cooling tank volume		16 I	
uel tank		145 I	
ransmission oil		17.50 l	
ingine oil		9.10 l	
)il rear axle		17.50 l	
ucket			
ackhoe standard capacity		0.24 m ³	
Vidth backhoe bucket		892 mm	
oader standard capacity		1 m ³	
Vidth loader bucket		2235 mm	
Viscellaneous			
Power steering		Yes	
rower steering		Yes 20 °	
ront steer axie of oscillation 2WD Front steer axie of oscillation 4WD		20 °	
		10	

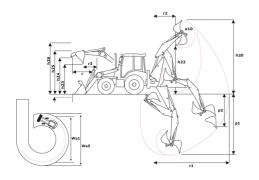
Performance backhoe

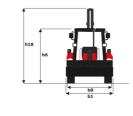
p1 - Max dig depth (mm)	
r1 - Max reach ground level to slew center (mm)	
r2 - Max loading reach (mm)	
Max operating height (mm)	
Max loading height (mm)	
p2 - Max straight wall dig depth (mm)	
a10 - Max bucket rotation (°)	
Total side shift (mm)	
Dipper tearout (kgF)	
Bucket tearout (kgF)	
Hydraulic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

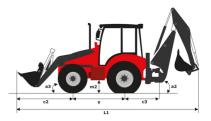
Performance loader

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









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